

**ATTACHMENT 42 – LOST REVENUE ADJUSTMENT MECHANISM VARIANCE ACCOUNT**

**WORK FORM ENERSOURCE RZ**



Ontario Energy Board

# Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) Work Form

Version 2.0 (2017)

## Generic LRAMVA Work Forms

Worksheet Name	Description
<a href="#">1. LRAMVA Summary</a>	<b>Tables 1-a and 1-b</b> provide a summary of the LRAMVA balances and carrying charges associated with the LRAMVA disposition. The balances are populated from entries into other tabs throughout this work form.
<a href="#">1-a. Summary of Changes</a>	<b>Tables X-1 and X-2</b> include a template for LDCs to summarize changes to the LRAMVA work form.
<a href="#">2. LRAMVA Threshold</a>	<b>Tables 2-a, 2-b and 2-c</b> include the LRAMVA thresholds and allocations by rate class.
<a href="#">3. Distribution Rates</a>	<b>Tables 3-a and 3-b</b> include the distribution rates that are used to calculate lost revenues.
<a href="#">4. 2011-2014 LRAM</a>	<b>Tables 4-a, 4-b, 4-c and 4-d</b> include the template 2011-2014 LRAMVA work forms.
<a href="#">5. 2015-2020 LRAM</a>	<b>Tables 5-a, 5-b, 5-c and 5-d</b> include the template 2015-2020 LRAMVA work forms.
<a href="#">6. Carrying Charges</a>	<b>Table 6-b</b> includes the variance on carrying charges related to the LRAMVA disposition.
<a href="#">7. Persistence Data</a>	<b>Tables 7-a to 7-j</b> should be populated with CDM savings persistence data provided to LDCs from the IESO.

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



## LRAMVA Work Form: Inputs-Outputs Schematic

Version 2.0 (2017)

### General Note on the LRAMVA Model

The LRAMVA work form has been created in a generic manner that should allow for use by all LDCs. There are some elements that are not applicable at this time (i.e., 2017, 2018, 2019 and 2020 related components). These have been included (but hidden in the work form) in an effort to avoid major updates in the future. This LRAMVA work form consolidates information that LDCs are already required to file with the OEB. The model has been created to provide LDCs with a consistent format to display CDM impacts, the forecast savings component and, ultimately, any variance between actual CDM savings and forecast CDM savings. The majority of the information required in the LRAMVA work form will be provided to LDCs from the IESO as part of the Final CDM Results each year. Please contact the IESO for any reports that may be required to complete this LRAMVA work form.

The LRAMVA work form is unlocked to enable LDCs to tailor it to their own unique circumstances.

**LRAMVA (\$) = (Actual Net CDM Savings - Forecast CDM Savings) x Distribution Volumetric Rate + Carrying Charges from LRAMVA balance**

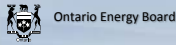
### Legend

Drop Down List (Blue)

### Important Checklist Items

Yes	Highlighted changes to this work form, if any, and provided rationale for the change in Tab 1-a
Yes	Included any necessary assumptions in the "Notes" section of the work form tables and summarized important assumptions in Tab 1-a
Yes	Included the basis and source of the LRAMVA threshold to determine forecast CDM savings in Tab 2
Yes	Included initiative-level persistence savings information as provided by the IESO directly in this work form (pasted in Tabs 7-a, 7-b, etc.)
Yes	Applied IESO verified savings adjustments back to year of program implementation in Tabs 4 and 5
Yes	Included documentation or data substantiating program savings that are included in the claim, but not provided in the IESO's verified results reports, in a new tab in this work form (streetlighting projects, etc.)
	Included documentation or analysis of how rate class allocations were determined each year in a new tab in this work form

Work Form Calculations	Source of Calculation	Inputs (Tables to Complete)	Source of Data Inputs	Outputs of Data (Auto-Populated)
<b>Actual Incremental CDM Savings by Initiative</b>	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns D & O)	IESO Verified Persistence Results Reports	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
+/- IESO Verified Savings Adjustments	Tab "4. 2011-2014 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns D-M & Columns O-X)	IESO Verified Persistence Results Reports	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
+ Initiative Level Savings Persistence	Tab "4. 2011-2014 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns E-M & Columns P-X)	IESO Verified Persistence Results Reports	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
<u>x Allocation % to Rate Class</u>	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AJ)	LDC	
<b>Actual Lost Revenues (kWh and kW) by Rate Class</b>	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"			
<b>- Forecast Lost Revenues (kWh and kW) by Rate Class</b>	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tab "2. LRAMVA Threshold" Tables 2-a, 2-b and 2-c		
<u>x Distribution Rate by Rate Class</u>	Tab "3. Distribution Rates"	Table 3	LDC's Approved Tariff Sheets	
<b>LRAMVA (\$) by Rate Class</b>	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"			Tables 1-a and 1-b
<u>+ Carrying Charges (\$) by Rate Class</u>	Tabs "1. LRAMVA Summary" and "6. Carrying Charges"	Table 6		Table 6-a
<b>Total LRAMVA (\$) by Rate Class</b>	Tab "1. LRAMVA Summary"			



## LRAMVA Work Form: Summary Tab

Version 2.0 (2017)

Legend	User Inputs (Green)
	Drop Down List (Blue)
	Auto Populated Cells (White)
	Instructions (Grey)

LDC Name | Alectra Utilities - Legacy Enersource Corporation

### Application Details

Please fill in the requested information: a) the amounts approved in the previous LRAMVA application, b) details on the current application, and c) documentation of changes if applicable.

#### A. Previous LRAMVA Application

Previous LRAMVA Application (EB#)	EB-2013-0024
Application of Previous LRAMVA Claim	2013 LRAM Application
Period of LRAMVA Claimed in Previous Application	2005-2010
Amount of LRAMVA Claimed in Previous Application	\$ 1,753,174.00

#### B. Current LRAMVA Application

Current LRAMVA Application (EB#)	EB-20XX-XXXX
Application of Current LRAMVA Claim	2018 COS/IRM Application
Period of New LRAMVA in this Application	2011-2015
Actual Lost Revenues (\$)	A \$ 7,266,855
Forecast Lost Revenues (\$)	B \$ 5,225,705
Carrying Charges (\$)	C \$ 105,256
LRAMVA (\$) for Account 1568	A-B+C \$ 2,146,406

#### C. Documentation of Changes

Original Amount	
Amount for Final Disposition	

Table 1-a. LRAMVA Totals by Rate Class

Please update the customer rate classes applicable to the LDC in Table 1-a below. This will update all tables throughout the workform. The LRAMVA total by rate class in Table 1-a should be used to inform the determination of rate riders in the Deferral and Variance Account Work Form or IRM Rate Generator Model. If the LDC has more than 14 customer classes, LDCs are required to add rows to Table 1-a and update all tables and formulas in the work form accordingly. Please also ensure that the principle amounts in column E of Table 1-a capture the appropriate years and amounts for the LRAMVA claim.

Customer Class	Billing Unit	Principle (\$)	Carrying Charges (\$)	Total LRAMVA (\$)
Residential	kWh	-\$334,017	-\$10,663	-\$344,681
GS-50 kW	kWh	\$342,632	\$26,494	\$368,326
General Service 50 to 499 kW	kW	\$2,543,868	\$115,001	\$2,658,870
General Service 500 to 4,999 kW	kW	\$594,944	\$26,396	\$621,339
Large Use	kW	\$150,684	\$5,640	\$156,325
Street Lighting	kW	-\$1,257,161	-\$56,612	-\$1,313,773
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
Total		\$2,041,150	\$105,256	\$2,146,406

Table 1-b. Annual LRAMVA Breakdown by Year and Rate Class

In column C of Table 1-b below, please indicate with a 'check mark' the years in which LRAMVA has been claimed. This is to ensure that there are no amounts claimed retroactively. If you have inserted a check-mark for a particular year, please delete the amounts associated with actual and forecast lost revenues for all rate classes for that year, up to and including the total. Any prior years that a distributor has claimed lost revenues should not be included in the current LRAMVA disposition, with the exception of the case noted below.

If LDCs are seeking to claim true-up amounts that were previously approved by the OEB, please note that the 'Amount Cleared' rows are applicable to the LDC and should be filled out. This may relate to claiming the difference in LRAM approved before the May 19, 2016 Peak Demand Consultation, and the lost revenues that would have been incurred after that consultation, as approved by the OEB. If this is the case, reference to the decision must be noted in the rate application. If this is not the case, LDCs are requested to leave those rows blank.

Depending on the period of LRAMVA to be claimed in the current application, LDCs are expected to adjust the applicable totals for carrying charges in row 83 of this table and the years included in the Total LRAMVA balance in row 84, as appropriate.

Description	LRAMVA Previously Claimed	Residential	GS-50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting	Total
		kWh	kWh	kW	kW	kW	kW	
2011 Actuals	<input type="checkbox"/>	\$67,388.67	\$156,919.97	\$162,769.29	\$37,080.30	\$1,071.36	\$0.00	\$0.00
2011 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared								
2012 Actuals	<input type="checkbox"/>	\$112,890.80	\$256,183.56	\$349,503.20	\$78,877.14	\$6,546.59	\$0.00	\$0.00
2012 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared								
2013 Actuals	<input type="checkbox"/>	\$181,735.73	\$331,127.83	\$522,334.84	\$133,139.14	\$64,721.02	\$48,893.45	\$0.00
2013 Forecast		(\$469,542.25)	(\$454,471.87)	(\$80,705.47)	(\$34,806.42)	(\$41,095.56)	(\$640,711.80)	\$0.00
Amount Cleared								
2014 Actuals	<input type="checkbox"/>	\$306,458.04	\$435,311.69	\$757,547.30	\$179,975.92	\$81,992.23	\$219,230.79	\$0.00
2014 Forecast		(\$469,542.25)	(\$462,375.73)	(\$81,060.86)	(\$35,287.25)	(\$41,849.45)	(\$647,781.62)	\$0.00
Amount Cleared								
2015 Actuals	<input type="checkbox"/>	\$413,304.70	\$550,415.94	\$997,528.70	\$271,766.67	\$121,755.07	\$420,384.71	\$0.00
2015 Forecast		(\$476,710.84)	(\$470,279.59)	(\$85,148.75)	(\$35,801.95)	(\$42,456.88)	(\$657,175.97)	\$0.00
Amount Cleared								
2016 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2016 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared								
Carrying Charges		(\$10,663.15)	\$25,493.86	\$115,001.38	\$26,395.77	\$5,640.22	(\$56,611.98)	\$0.00
Total LRAMVA Balance		-\$344,681	\$368,326	\$2,658,870	\$621,339	\$156,325	-\$1,313,773	\$0

Note: LDC to make note of assumptions included above, if any

Table 1-c. Breakdown of Incremental and Persisting Lost Revenues Amounts (Dollars)

LDCs are requested to clear the cells in the table to show only the amounts related to this LRAMVA application. This table is a check on the LRAMVA disposition providing a breakdown of actual incremental and persisting savings by year.

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
2011	\$ 425,229.59	\$ 425,700.90	\$ 439,007.15	\$ 431,393.43	\$ 433,235.83	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,154,566.89
2012		\$ 378,300.38	\$ 389,015.93	\$ 389,571.85	\$ 380,403.55	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,537,291.72
2013			\$ 405,035.47	\$ 405,117.48	\$ 404,850.61	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,215,003.56
2014				\$ 535,202.42	\$ 529,408.82	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,064,611.24
2015					\$ 606,872.28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 606,872.28
2016						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017							\$ -	\$ -	\$ -	\$ -	\$ -
2018								\$ -	\$ -	\$ -	\$ -
2019									\$ -	\$ -	\$ -
2020										\$ -	\$ -
Actual Lost Revenues	\$ 425,229.59	\$ 804,001.28	\$ 1,233,058.55	\$ 1,761,285.18	\$ 2,354,771.09	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,578,345.69
Forecast Lost Revenues	\$ -	\$ -	\$ 1,721,333.37	\$ 1,738,797.35	\$ 1,785,573.97	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,225,704.69
Carrying Charges	\$ 2,864.98	\$ 14,532.82	\$ 29,642.18	\$ 42,881.55	\$ 60,350.79	\$ 82,803.44	\$ 105,256.09	\$ 105,256.09	\$ 105,256.09	\$ 105,256.09	\$ 654,100.14
Total	\$ 428,094.57	\$ 818,534.10	\$ 458,632.64	\$ 65,369.38	\$ 649,547.91	\$ 82,803.44	\$ 105,256.09	\$ 105,256.09	\$ 105,256.09	\$ 105,256.09	\$ 2,006,741.13

Note: LDC to make note of assumptions included above, if any



## LRAMVA Work Form: Summary of Changes

Version 2.0 (2017)

**Legend**

User Inputs (Green)

Drop Down List (Blue)

Instructions (Grey)

**Table X-1. Changes in Assumptions from Generic Inputs in Work Form**

Please document any changes in assumptions made to the work form that affect the calculation of LRAMVA. This may include, but are not limited to, the use of different monthly multipliers to claim demand savings from energy efficiency programs; use of different rate allocations between savings and adjustments; claiming historical savings persistence beyond a re-basing year; inclusion of additional adjustments affecting distribution rates; use of a different LRAMVA threshold; etc. All important changes should be highlighted in the work form as well.

No.	Tab	Cell Reference	Description	Rationale
1	1. LRAMVA Summary	J59,I62,I65	2013-2015 Actual Street Lighting (SL) Amount	The SL amount is calculated using the net Peak Demand kW reduction on tab "8. Street Lighting" and m
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
etc.				

**Table X-2. Updates to LRAMVA Disposition**

LDCs are requested to document any changes related to interrogatories or questions during the application process that affect the LRAMVA amount.

No.	Tab	Cell Reference	Description	Rationale
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
etc.				

**LRAMVA Work Form:  
Forecast Lost Revenues****Version 2.0 (2017)****Legend**

User Inputs (Green)
Drop Down List (Blue)
Auto Populated Cells (White)
Instructions (Grey)

**Table 2-a. LRAMVA Threshold****2013**

Please provide the LRAMVA threshold approved in the cost of service (COS) application, which is used as the comparator against actual savings in the period of the LRAMVA claim. The LRAMVA threshold should generally be consistent with the annualized savings targets developed from Appendix 2-I. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

	Total	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting								
		kWh	kWh	kW	kW	kW	kW								
kWh	119,146,362	35,842,920	39,519,293	6,718,613	7,166,687	8,983,655	20,915,195								
kW	111,837			19,284	16,135	15,417	61,001								
Summary		35,842,920	39,519,293	19,284	16,135	15,417	61,001	0	0	0	0	0	0	0	0

Basis of Threshold 0.5\* 201X + 20XX + 0.5 \* 20XX (if available)

Source of Threshold EB-2012-0033, P53

**Table 2-b. LRAMVA Threshold****2013**

Please provide the LRAMVA threshold approved in the last COS application, which is used as the comparator against actual savings in the period of the LRAMVA claim. The LRAMVA threshold should generally be consistent with the annualized savings targets developed from Appendix 2-I. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

	Total	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting								
		kWh	kWh	kW	kW	kW	kW								
kWh	119,146,362	35,842,920	39,519,293	6,718,613	7,166,687	8,983,655	20,915,195								
kW	111,837			19,284	16,135	15,417	61,001								
Summary		35,842,920	39,519,293	19,284	16,135	15,417	61,001	0	0	0	0	0	0	0	0

Basis of Threshold 0.5\* 201X + 20XX + 0.5 \* 20XX (if available)

Source of Threshold EB-2012-0033, P53

**Table 2-c. Inputs for LRAMVA Thresholds**

Please complete Table 2-c below by selecting the appropriate LRAMVA threshold year in column C. The LRAMVA threshold values in Table 2-c will auto-populate from Tables 2-a and 2-b depending on the year selected. If there was no LRAMVA threshold established for a particular year, please select the "blank" option, although it is generally expected that 2 COS applications would have been approved during the 2011 to 2020 period. The LRAMVA threshold values in Table 2-c will be auto-populated in Tabs 4 and 5 of this work form.

Year	LRAMVA Threshold (select year)	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting								
		kWh	kWh	kW	kW	kW	kW								
2011		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	2013	35,842,920	39,519,293	19,284	16,135	15,417	61,001	0	0	0	0	0	0	0	0
2014	2013	35,842,920	39,519,293	19,284	16,135	15,417	61,001	0	0	0	0	0	0	0	0
2015	2013	35,842,920	39,519,293	19,284	16,135	15,417	61,001	0	0	0	0	0	0	0	0
2016		0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: LDC to make note of assumptions included above, if any



## LRAMVA Work Form: Distribution Rates

Version 2.0 (2017)

## Legend

User Inputs (Green)

Auto Populated Cells (White)

Instructions (Grey)

## Tables

[Table 3](#)[Table 3-a](#)

Table 3. Inputs for Distribution Rates and Adjustments by Rate Class

The rate classes in column B of Table 3 below are auto-populated from the customer class inputs in Table 1-a of the Summary Tab. Please provide the distribution rates by rate year and applicable adjustments per rate class starting from column D of Table 3 below. Any adjustments that affect distribution rates can be incorporated in the calculation by expanding the "plus" button at the left hand bar. Table 3 will convert the distribution rates to a calendar year rate (January to December) based on the number of months from January to the start of the LDC's rate year, entered in row 16 of Table 3 (referred to as period 1). If rates are already on a January 1 to December 31 timeline, please enter 0 in row 16.

	Billing Unit	update	update	update	update	update	update	update	update	update	update	update	update
Rate Year		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Period 1 (# months)		4	4	4	1	0	0						
Period 2 (# months)		8	8	8	11	12	12	12	12	12	12	12	12
<b>Residential</b>	kWh	\$ 0.0116	\$ 0.0115	\$ 0.0115	\$ 0.0132	\$ 0.0131	\$ 0.0133	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Adjusted rate		\$ 0.0116	\$ 0.0115	\$ 0.0115	\$ 0.0132	\$ 0.0131	\$ 0.0133	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$	\$ 0.0115	\$ 0.0115	\$ 0.0131	\$ 0.0131	\$ 0.0133	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>GS&lt;50 kW</b>	kWh	\$ 0.0114	\$ 0.0112	\$ 0.0113	\$ 0.0115	\$ 0.0117	\$ 0.0119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Adjusted rate		\$ 0.0114	\$ 0.0112	\$ 0.0113	\$ 0.0115	\$ 0.0117	\$ 0.0119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$	\$ 0.0113	\$ 0.0113	\$ 0.0115	\$ 0.0117	\$ 0.0119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>General Service 50 to 499 kW</b>	kW	\$ 4.1306	\$ 4.1161	\$ 4.1418	\$ 4.1890	\$ 4.2502	\$ 4.3118	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Adjusted rate		\$ 4.1306	\$ 4.1161	\$ 4.1418	\$ 4.1890	\$ 4.2502	\$ 4.3118	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$	\$ 4.1209	\$ 4.1332	\$ 4.1851	\$ 4.2502	\$ 4.3118	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>General Service 500 to 4,999 kW</b>	kW	\$ 2.0527	\$ 2.0390	\$ 2.0487	\$ 2.1671	\$ 2.1870	\$ 2.2189	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Adjusted rate		\$ 2.0527	\$ 2.0390	\$ 2.0487	\$ 2.1671	\$ 2.1870	\$ 2.2189	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$	\$ 2.0436	\$ 2.0455	\$ 2.1572	\$ 2.1870	\$ 2.2189	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Large Use</b>	kW	\$ 2.8680	\$ 2.8556	\$ 2.8723	\$ 2.6468	\$ 2.7145	\$ 2.7539	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Adjusted rate		\$ 2.8680	\$ 2.8556	\$ 2.8723	\$ 2.6468	\$ 2.7145	\$ 2.7539	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$	\$ 2.8597	\$ 2.8667	\$ 2.6656	\$ 2.7145	\$ 2.7539	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Street Lighting</b>	kW	\$ 10.0441	\$ 9.9832	\$ 10.0334	\$ 10.5460	\$ 10.6192	\$ 10.7732	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Adjusted rate		\$ 10.0441	\$ 9.9832	\$ 10.0334	\$ 10.5460	\$ 10.6192	\$ 10.7732	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$	\$ 10.0035	\$ 10.0167	\$ 10.5033	\$ 10.6192	\$ 10.7732	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>0</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>0</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>0</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>0</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>0</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>0</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
0														
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
0														
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

Note: LDC to make note of assumptions affecting the distribution rates above, if any

**Table 3-a. Distribution Rates by Rate Class**

Table 3-a below pulls the average distribution rates from Table 3 above. Please ensure that the distribution rates relevant to the years of the LRAMVA disposition are used by clearing the rates for year(s) that are not part of the LRAMVA claim. The distribution rates that remain in Table 3-a will be carried over to Tabs 4 and 5 of the work form to calculate lost revenues.

Year	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting								
	kWh	kWh	kW	kW	kW	kW								
2011	\$0.0115	\$0.0113	\$4.1209	\$2.0436	\$2.8597	\$10.0035	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2012	\$0.0115	\$0.0113	\$4.1332	\$2.0455	\$2.8667	\$10.0167	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2013	\$0.0131	\$0.0115	\$4.1851	\$2.1572	\$2.6656	\$10.5033	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2014	\$0.0131	\$0.0117	\$4.2502	\$2.1870	\$2.7145	\$10.6192	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2015	\$0.0133	\$0.0119	\$4.3118	\$2.2189	\$2.7539	\$10.7732	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2016	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000

Note: LDC to make note of assumptions affecting the distribution rates above, if any

## LRAMVA Work Form: 2011 - 2014 Lost Revenues Work Form

**Legend**

User Inputs (Green)
Auto Populated Cells (White)
Instructions (Grey)

**Instructions**

1. LDCs can apply for disposition of LRAMVA amounts at any time, but at a minimum, must do so as part of a cost of service (COS) application. The 2. Please ensure that the IESO verified savings adjustments apply back to the program year it relates to. For example, savings adjustments related to 2012 programs that were reported by the IESO in 3. The work forms below include the monthly multipliers for most programs in order to claim demand savings from energy efficiency programs, consistent with the monthly multipliers indicated in 4. LDC are requested to input the applicable rate class allocation percentages indicating the customer's share of consumption to allocate actual 5. The persistence of future savings is expected to be included in the distributor's load forecast after re-basing. LDCs are requested to delete the applicable savings persistence rows (auto-calculated after the LRAMVA totals for the year) if future years

**Tables**

[Table 4-a. 2011 Lost Revenues](#)  
[Table 4-b. 2012 Lost Revenues](#)  
[Table 4-c. 2013 Lost Revenues](#)  
[Table 4-d. 2014 Lost Revenues](#)

**Table 4-a. 2011 Lost Revenues Work Form**

Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Rate Allocations for LRAMVA														Total
		2011	2011	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting									
<b>Consumer Program</b>																		
Appliance Retirement	Verified	812,064	110	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Adjustment to 2011 savings	True-up			100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Appliance Exchange	Verified	11,343	10	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Adjustment to 2011 savings	True-up			100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
HVAC Incentives	Verified	3,614,070	1,995	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Adjustment to 2011 savings	True-up	-592,333	-327	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Conservation Instant Coupon Booklet	Verified	763,430	47	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Adjustment to 2011 savings	True-up	10,824	1	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Bi-Annual Retailer Event	Verified	1,153,895	66	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Adjustment to 2011 savings	True-up	85,731	4	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Retailer Co-op	Verified	87		100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Adjustment to 2011 savings	True-up			100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Residential Demand Response	Verified	773	298	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Adjustment to 2011 savings	True-up			100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Residential Demand Response (IHD)	Verified			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Adjustment to 2011 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Residential New Construction	Verified			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Adjustment to 2011 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
<b>Business Program</b>																		
Retrofit	Verified	12,075,272	2,236	19.00%	63.00%	26.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	109%
Adjustment to 2011 savings	True-up	1,702,657	464	0.00%	19.00%	63.00%	26.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Direct Install Lighting	Verified	8,483,296	3,359	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Adjustment to 2011 savings	True-up	124,183	53	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Building Commissioning	Verified			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Adjustment to 2011 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
New Construction	Verified			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Adjustment to 2011 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Energy Audit	Verified			11.00%	22.00%	67.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Adjustment to 2011 savings	True-up	237,585	49	0.00%	11.00%	22.00%	67.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Small Commercial Demand Response	Verified			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Adjustment to 2011 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Small Commercial Demand Response (IHD)	Verified			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Adjustment to 2011 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

17	Demand Response 3 Adjustment to 2011 savings	Verified True-up	70,271	1,800	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
<b>Industrial Program</b>																		
18	Process & System Upgrades Adjustment to 2011 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
19	Monitoring & Targeting Adjustment to 2011 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
20	Energy Manager Adjustment to 2011 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
21	Retrofit Adjustment to 2011 savings	Verified True-up	1,994,497	422	0.00%	19.00%	56.00%	25.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	101%
22	Demand Response 3 Adjustment to 2011 savings	Verified True-up	189,961	3,236	0.00%	0.00%	0.00%	25.00%	75.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
<b>Home Assistance Program</b>																		
23	Home Assistance Program Adjustment to 2011 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Aboriginal Program</b>																		
24	Home Assistance Program Adjustment to 2011 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
25	Direct Install Lighting Adjustment to 2011 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Pre-2011 Programs completed in 2011</b>																		
26	Electricity Retrofit Incentive Program Adjustment to 2011 savings	Verified True-up	12,349,671	2,148	0.00%	17.00%	56.00%	28.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	101%
27	High Performance New Construction Adjustment to 2011 savings	Verified True-up	828,974	161	0.00%	17.00%	56.00%	28.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	101%
28	Toronto Comprehensive Adjustment to 2011 savings	Verified True-up	93,683	90	0.00%	17.00%	56.00%	28.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
29	Multifamily Energy Efficiency Rebates Adjustment to 2011 savings	Verified True-up	314		0.00%	17.00%	56.00%	28.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	101%
30	LDC Custom Programs Adjustment to 2011 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Other</b>																		
31	Program Enabled Savings Adjustment to 2011 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
32	Time of Use Savings Adjustment to 2011 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
33	LDC Pilots Adjustment to 2011 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Actual CDM Savings in 2011</b>			44,010,248	16,222	5,859,884	13,886,723	39,498	18,145	375	0	0	0	0	0	0	0	0	
<b>Forecast CDM Savings in 2011</b>					0	0	0	0	0	0	0	0	0	0	0	0	0	
Distribution Rate in 2011					\$0.01150	\$0.01130	\$4.12090	\$2.04360	\$2.85970	\$10.00350	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	
Lost Revenue in 2011 from 2011 programs					\$67,388.67	\$156,919.97	\$162,769.29	\$37,080.30	\$1,071.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 425,229.59
Forecast Lost Revenues in 2011					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -
LRAMVA in 2011																		\$ 425,229.59
2011 Savings Persisting in 2012					5,859,110	13,884,648	39,495	18,142	375	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2013					5,859,110	13,637,153	39,495	18,142	375	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2014					5,852,467	12,493,203	39,495	18,142	375	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2015					5,493,533	12,491,993	39,489	18,124	375	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2016					4,691,083	12,388,424	39,027	17,610	369	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2017					4,281,428	6,299,254	38,493	17,389	361	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2018					4,275,623	6,194,447	37,240	16,872	341	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2019					4,611,484	5,721,176	33,245	15,219	277	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2020					3,566,706	5,721,176	33,245	15,219	277	0	0	0	0	0	0	0	0	

Note: LDC to make note of assumptions included above

Table 4-b. 2012 Lost Revenues Work Form

Program		Results Status	Net Energy Savings (kWh)		Net Demand Savings (kW)		Rate Allocations for LRAMVA												Total
			2012	2012	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting									
Consumer Program																			
1	Appliance Retirement Adjustment to 2012 savings	Verified	430,436	59	100.00%	kWh	kWh	kW	kW	kW									100%
		True-up			100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2	Appliance Exchange Adjustment to 2012 savings	Verified	30,332	17	100.00%														100%
		True-up			100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
3	HVAC Incentives Adjustment to 2012 savings	Verified	2,016,291	1,202	100.00%														100%
		True-up	54,157	28	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
4	Conservation Instant Coupon Booklet Adjustment to 2012 savings	Verified	54,900	9	100.00%														100%
		True-up			100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
5	Bi-Annual Retailer Event Adjustment to 2012 savings	Verified	1,051,579	58	100.00%														100%
		True-up			100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
6	Retailer Co-op Adjustment to 2012 savings	Verified																	0%
		True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
7	Residential Demand Response Adjustment to 2012 savings	Verified	10,075	1,262	100.00%														100%
		True-up			100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

8	Residential Demand Response (IHD) Adjustment to 2012 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
9	Residential New Construction Adjustment to 2012 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Business Program</b>																		
10	Retrofit Adjustment to 2012 savings	Verified True-up	24,392,637 4,785,698	4,531 772	0.00%	13.00%	66.00%	27.00%	3.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	109%
11	Direct Install Lighting Adjustment to 2012 savings	Verified True-up	4,890,220 16,743	1,340 4	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
12	Building Commissioning Adjustment to 2012 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
13	New Construction Adjustment to 2012 savings	Verified True-up	247,001 97		0.00%	0.00%	0.00%	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
14	Energy Audit Adjustment to 2012 savings	Verified True-up	931,521 301,583	192 62	0.00%	7.00%	63.00%	30.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
15	Small Commercial Demand Response Adjustment to 2012 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
16	Small Commercial Demand Response (IHD) Adjustment to 2012 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
17	Demand Response 3 Adjustment to 2012 savings	Verified True-up	31,557 2,171		0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
<b>Industrial Program</b>																		
18	Process & System Upgrades Adjustment to 2012 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
19	Monitoring & Targeting Adjustment to 2012 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
20	Energy Manager Adjustment to 2012 savings	Verified True-up	17,296 3		0.00%	0.00%	30.00%	70.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
21	Retrofit Adjustment to 2012 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
22	Demand Response 3 Adjustment to 2012 savings	Verified True-up	88,449 3,670		0.00%	0.00%	25.00%	75.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
<b>Home Assistance Program</b>																		
23	Home Assistance Program Adjustment to 2012 savings	Verified True-up	261,837 47,874	40 7	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
<b>Aboriginal Program</b>																		
24	Home Assistance Program Adjustment to 2012 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
25	Direct Install Lighting Adjustment to 2012 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Pre-2011 Programs completed in 2011</b>																		
26	Electricity Retrofit Incentive Program Adjustment to 2012 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
27	High Performance New Construction Adjustment to 2012 savings	Verified True-up	418,130 189		0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
28	Toronto Comprehensive Adjustment to 2012 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
29	Multifamily Energy Efficiency Rebates Adjustment to 2012 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
30	LDC Custom Programs Adjustment to 2012 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Other</b>																		
31	Program Enabled Savings Adjustment to 2012 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
32	Time of Use Savings Adjustment to 2012 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
33	LDC Pilots Adjustment to 2012 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Actual CDM Savings in 2012</b>			40,078,316	15,713	3,957,481	8,786,464	45,065	20,419	1,909	0	0	0	0	0	0	0	0	0
<b>Forecast CDM Savings in 2012</b>					0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distribution Rate in 2012					\$0.0150	\$0.0130	\$4.13320	\$2.04550	\$2.86670	\$10.01670	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	
Lost Revenue in 2012 from 2011 programs					\$67,379.76	\$156,896.52	\$163,241.37	\$37,109.42	\$1,073.83	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 425,700.90
Lost Revenue in 2012 from 2012 programs					\$45,511.03	\$99,287.04	\$186,261.83	\$41,767.72	\$5,472.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 378,300.38
<b>Total Lost Revenues in 2012</b>					<b>\$112,890.80</b>	<b>\$256,183.56</b>	<b>\$349,503.20</b>	<b>\$78,877.14</b>	<b>\$6,545.59</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$ 804,001.28</b>
<b>Forecast Lost Revenues in 2012</b>					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$ -</b>
<b>LRAMVA in 2012</b>																		<b>\$ 804,001.28</b>
2012 Savings Persisting in 2013					3,947,406	8,772,919	44,814	20,307	1,898	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2014					3,946,944	8,553,853	44,388	20,133	1,879	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2015					3,920,242	7,646,635	43,645	19,829	1,845	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2016					3,626,611	7,560,085	41,730	18,917	1,845	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2017					3,170,243	4,428,570	39,059	17,824	1,723	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2018					2,888,986	4,349,639	38,243	17,491	1,686	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2019					2,884,939	4,341,694	38,243	17,491	1,686	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2020					2,766,953	4,143,673	34,960	16,148	1,537	0	0	0	0	0	0	0	0	

Note: LDC to make note of assumptions included above

Table 4-c. 2013 Lost Revenues Work Form

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Program		Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Rate Allocations for LRAMVA														Total
			2013	2013	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting									
Consumer Program																			
1	Appliance Retirement Adjustment to 2013 savings	Verified True-up	247,739	37	100.00%	100.00%												100%	
2	Appliance Exchange Adjustment to 2013 savings	Verified True-up	32,880	18	100.00%	100.00%												100%	
3	HVAC Incentives Adjustment to 2013 savings	Verified True-up	2,205,223	1,289	100.00%	100.00%												100%	
4	Conservation Instant Coupon Booklet Adjustment to 2013 savings	Verified True-up	302,637	20	100.00%	100.00%												100%	
5	Bi-Annual Retailer Event Adjustment to 2013 savings	Verified True-up	674,564	46	100.00%	100.00%												100%	
6	Retailer Co-op Adjustment to 2013 savings	Verified True-up																0%	
7	Residential Demand Response Adjustment to 2013 savings	Verified True-up	10,205	6,291	100.00%	100.00%												100%	
8	Residential Demand Response (IHD) Adjustment to 2013 savings	Verified True-up																0%	
9	Residential New Construction Adjustment to 2013 savings	Verified True-up																0%	
Business Program																			
10	Retrofit Adjustment to 2013 savings	Verified True-up	18,118,276	4,348		9%	64%	23%	10.00%									106%	
11	Direct Install Lighting Adjustment to 2013 savings	Verified True-up	3,914,521	1,193		100.00%												100%	
12	Building Commissioning Adjustment to 2013 savings	Verified True-up																0%	
13	New Construction Adjustment to 2013 savings	Verified True-up	211,782	98			22.00%	78.00%										100%	
14	Energy Audit Adjustment to 2013 savings	Verified True-up	532,958	97			18%	76.00%	6.00%									100%	
15	Small Commercial Demand Response Adjustment to 2013 savings	Verified True-up																0%	
16	Small Commercial Demand Response (IHD) Adjustment to 2013 savings	Verified True-up																0%	
17	Demand Response 3 Adjustment to 2013 savings	Verified True-up	17,169	1,079			50.00%	50.00%										100%	
Industrial Program																			
18	Process & System Upgrades Adjustment to 2013 savings	Verified True-up																0%	
19	Monitoring & Targeting Adjustment to 2013 savings	Verified True-up																0%	
20	Energy Manager Adjustment to 2013 savings	Verified True-up	3,762,469	974			30.00%	70%										100%	
21	Retrofit Adjustment to 2013 savings	Verified True-up	8,343,933	891														0%	
22	Demand Response 3 Adjustment to 2013 savings	Verified True-up	416,174	17,139			25.00%	75.00%										100%	
Home Assistance Program																			
23	Home Assistance Program Adjustment to 2013 savings	Verified True-up	198,590	20	100%	100.00%												100%	
Aboriginal Program																			
24	Home Assistance Program Adjustment to 2013 savings	Verified True-up																0%	
25	Direct Install Lighting Adjustment to 2013 savings	Verified True-up																0%	
Pre-2011 Programs completed in 2011																			
26	Electricity Retrofit Incentive Program Adjustment to 2013 savings	Verified True-up																0%	
27	High Performance New Construction Adjustment to 2013 savings	Verified True-up																0%	
28	Toronto Comprehensive Adjustment to 2013 savings	Verified True-up																0%	
29	Multifamily Energy Efficiency Rebates Adjustment to 2013 savings	Verified True-up																0%	
30	LDC Custom Programs	Verified																0%	

	Adjustment to 2013 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
21	<b>Other</b> Program Enabled Savings	Verified																0%
	Adjustment to 2013 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
32	Time of Use Savings	Verified																0%
	Adjustment to 2013 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
33	2013 Streetlight Project	Verified	5,059,891															100%
	Adjustment to 2013 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Actual CDM Savings in 2013			54,002,903	34,560	4,066,440	6,383,653	40,499	23,269	22,088	0	0	0	0	0	0	0	0	0
Forecast CDM Savings in 2013					35,842,920	39,519,293	19,284	16,135	15,417	61,001	0	0	0	0	0	0	0	0
Distribution Rate in 2013					\$0.01310	\$0.01150	\$4.18510	\$2.15720	\$2.66560	\$10.50330	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Lost Revenue in 2013 from 2011 programs					\$76,754.34	\$156,827.26	\$165,291.16	\$39,135.88	\$998.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 439,007.15
Lost Revenue in 2013 from 2012 programs					\$51,711.02	\$100,888.57	\$187,550.13	\$43,806.94	\$5,059.27	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 389,015.93
Lost Revenue in 2013 from 2013 programs					\$53,270.36	\$73,412.01	\$169,493.54	\$50,196.32	\$58,653.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 405,035.47
Total Lost Revenues in 2013					\$181,735.73	\$331,127.83	\$522,334.84	\$133,139.14	\$64,721.02	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 1,233,058.55
Forecast Lost Revenues in 2013					\$469,542.25	\$454,471.87	\$80,705.47	\$34,806.42	\$41,095.56	\$640,711.80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 1,721,333.37
LRAMVA in 2013																		-\$ 488,274.82
2013 Savings Persisting in 2014					4,042,130	6,353,900	39,785	22,889	21,615	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2015					3,986,485	6,126,090	39,251	22,698	21,531	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2016					3,769,542	5,420,295	39,234	22,680	21,502	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2017					3,621,333	3,297,344	36,829	20,608	21,000	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2018					3,464,137	3,244,802	36,205	20,383	20,903	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2019					3,458,103	3,244,802	36,205	20,383	20,903	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2020					3,454,883	3,210,607	36,131	20,357	20,891	0	0	0	0	0	0	0	0	0

Note: LDC to make note of assumptions included above

Table 4-d. 2014 Lost Revenues Work Form

	Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Rate Allocations for LRAMVA														Total
			2014	2014	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting									
Consumer Program					kWh	kWh	kW	kW	kW	kW									
1	Appliance Retirement Adjustment to 2014 savings	Verified True-up	205,529	30	100%														100%
2	Appliance Exchange Adjustment to 2014 savings	Verified True-up	46,919	26	100%														100%
3	HVAC Incentives Adjustment to 2014 savings	Verified True-up	2,581,153	1,398	100%														100%
4	Conservation Instant Coupon Booklet Adjustment to 2014 savings	Verified True-up	1,166,247	87	100%														100%
5	Bi-Annual Retailer Event Adjustment to 2014 savings	Verified True-up	4,825,760	316	100%														100%
6	Retailer Co-op Adjustment to 2014 savings	Verified True-up																	0%
7	Residential Demand Response Adjustment to 2014 savings	Verified True-up	1,247	7,615	100.00%														100%
8	Residential Demand Response (IHD) Adjustment to 2014 savings	Verified True-up																	0%
9	Residential New Construction Adjustment to 2014 savings	Verified True-up	1,304		100.00%														100%
Business Program																			
10	Retrofit Adjustment to 2014 savings	Verified True-up	41,820,981	6,002		10%	67%	23%	4.00%										104%
11	Direct Install Lighting Adjustment to 2014 savings	Verified True-up	4,679,900	1,348		100%													100%
12	Building Commissioning Adjustment to 2014 savings	Verified True-up																	0%
13	New Construction Adjustment to 2014 savings	Verified True-up	204,720	120		73.00%	11.00%	0.00%	9.00%										93%
14	Energy Audit Adjustment to 2014 savings	Verified True-up	4,177,508	855		19.00%	60%	21.00%											100%
15	Small Commercial Demand Response Adjustment to 2014 savings	Verified True-up		243															0%
16	Small Commercial Demand Response (IHD) Adjustment to 2014 savings	Verified True-up																	0%
17	Demand Response 3 Adjustment to 2014 savings	Verified True-up		904			50.00%	50.00%											100%
Industrial Program																			
18	Process & System Upgrades Adjustment to 2014 savings	Verified True-up																	0%
19	Monitoring & Targeting Adjustment to 2014 savings	Verified True-up																	0%
20	Energy Manager Adjustment to 2014 savings	Verified True-up	3,893,879	478				42.00%	58.00%										100%
21	Retrofit	Verified																	0%

	Adjustment to 2014 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
22	Demand Response 3	Verified		17,243			25.00%	75.00%										100%
	Adjustment to 2014 savings	True-up			0.00%	0.00%	25.00%	75.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
23	Home Assistance Program	Verified	724,043	59	100%													100%
	Home Assistance Program	True-up			100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
24	Aboriginal Program	Verified																0%
	Home Assistance Program	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
25	Direct Install Lighting	Verified																0%
	Adjustment to 2014 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
26	Pre-2011 Programs completed in 2011	Verified																0%
	Electricity Retrofit Incentive Program	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
27	High Performance New Construction	Verified																0%
	Adjustment to 2014 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
28	Toronto Comprehensive	Verified																0%
	Adjustment to 2014 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
29	Multifamily Energy Efficiency Rebates	Verified																0%
	Adjustment to 2014 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
30	LDC Custom Programs	Verified																0%
	Adjustment to 2014 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
31	Other	Verified																0%
	2013 Streetlight Project	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
32	Time of Use Savings	Verified		3,831														0%
	Adjustment to 2014 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
33	LDC Pilots	Verified	184,241	24														0%
	Adjustment to 2014 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Actual CDM Savings in 2014</b>					<b>64,513,431</b>	<b>40,579</b>	<b>9,552,202</b>	<b>9,805,170</b>	<b>54,570</b>	<b>21,129</b>	<b>6,337</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Forecast CDM Savings in 2014</b>							<b>35,842,920</b>	<b>39,519,293</b>	<b>19,284</b>	<b>16,135</b>	<b>15,417</b>	<b>61,001</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Distribution Rate in 2014					\$0.01310	\$0.01170	\$4.25020	\$2.18700	\$2.71450	\$10.61920	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Lost Revenue in 2014 from 2011 programs					\$76,667.32	\$146,170.48	\$167,862.30	\$39,676.51	\$1,016.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 431,393.43
Lost Revenue in 2014 from 2012 programs					\$51,704.97	\$100,080.09	\$188,656.43	\$44,030.86	\$5,099.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 389,571.85
Lost Revenue in 2014 from 2013 programs					\$52,951.91	\$74,340.63	\$169,093.11	\$50,058.90	\$58,672.92	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 405,117.48
Lost Revenue in 2014 from 2014 programs					\$125,133.85	\$114,720.49	\$231,935.45	\$46,209.65	\$17,202.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 535,202.42
<b>Total Lost Revenues in 2014</b>					<b>\$306,458.04</b>	<b>\$435,311.69</b>	<b>\$757,547.30</b>	<b>\$179,975.92</b>	<b>\$81,992.23</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$1,761,285.18</b>
<b>Forecast Lost Revenues in 2014</b>					<b>\$469,542.25</b>	<b>\$462,375.73</b>	<b>\$81,960.86</b>	<b>\$35,287.25</b>	<b>\$41,849.45</b>	<b>\$647,781.82</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$ 22,487.83</b>
<b>LRAMVA in 2014</b>																		
2014 Savings Persisting in 2015					8,831,912	9,702,045	54,507	20,641	5,689	0	0	0	0	0	0	0	0	0
2014 Savings Persisting in 2016					8,384,989	9,572,406	54,507	20,157	5,022	0	0	0	0	0	0	0	0	0
2014 Savings Persisting in 2017					8,358,689	7,772,541	53,244	19,724	4,946	0	0	0	0	0	0	0	0	0
2014 Savings Persisting in 2018					8,208,736	6,978,815	47,084	17,568	4,946	0	0	0	0	0	0	0	0	0
2014 Savings Persisting in 2019					8,077,950	6,968,838	46,856	17,490	4,933	0	0	0	0	0	0	0	0	0
2014 Savings Persisting in 2020					8,071,393	6,757,760	44,665	16,738	4,802	0	0	0	0	0	0	0	0	0

Note: LDC to make note of assumptions included above



Ontario Energy Board

## LRAMVA Work Form: 2015 - 2020 Lost Revenues Work Form

### Legend

User Inputs (Green)
Auto Populated Cells (White)
Instructions (Grey)

### Instructions

1. LDCs can apply for disposition of LRAMVA amounts at any time, but at a minimum, must do so as part of a cost of service (COS) application. The following LRAMVA work forms apply to LDCs that need to recover lost revenues from the IESO.
2. Please ensure that the IESO verified savings adjustments apply back to the program year it relates to. For example, savings adjustments related to 2016 programs that were reported by LDCs are requested to input the applicable rate class allocation percentages indicating the customer's share of consumption to allocate actual savings to the rate classes. The generic LDCs are requested to delete the applicable savings persistence rows (auto-calculated after the LRAMVA totals for the year)
3. The work forms below include the monthly multipliers for most programs in order to claim demand savings from energy efficiency programs, consistent with the monthly multipliers
4. LDC are requested to input the applicable rate class allocation percentages indicating the customer's share of consumption to allocate actual savings to the rate classes. The generic LDCs are requested to delete the applicable savings persistence rows (auto-calculated after the LRAMVA totals for the year)
5. The persistence of future savings is expected to be included in the distributor's load forecast after re-basing. LDCs are requested to delete the applicable savings persistence rows (auto-calculated after the LRAMVA totals for the year)

### Tables

[Table 5-a. 2015 Lost Revenues](#)  
[Table 5-b. 2016 Lost Revenues](#)  
[Table 5-c. 2017 Lost Revenues](#)  
[Table 5-d. 2018 Lost Revenues](#)  
[Table 5-e. 2019 Lost Revenues](#)  
[Table 5-f. 2020 Lost Revenues](#)

Table 5-a. 2015 Lost Revenues Work Form

[Go to Persistence Report](#)

Program		Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Rate Allocations for LRAMVA														Total					
			2015	2015	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting														
Legacy Framework					kWh	kWh	kW	kW	kW	kW														
Residential Program																								
Coupon Initiative	Verified	2,173,737	141	100.00%														100%						
Adjustment to 2015 savings	True-up			100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
Bi-Annual Retailer Event Initiative	Verified	3,679,485	248	100.00%														100%						
Adjustment to 2015 savings	True-up			100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
Appliance Retirement Initiative	Verified	60,261	9	100.00%														100%						
Adjustment to 2015 savings	True-up			100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
HVAC Incentives Initiative	Verified	2,584,003	1,355	100.00%														100%						
Adjustment to 2015 savings	True-up			100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
Residential New Construction and Major	Verified																	0%						
Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
Commercial & Institutional Program																								
Enerov Audit Initiative	Verified	3,573,385	762		16.00%	71.00%	10.00%	2.00%										99%						
Adjustment to 2015 savings	True-up			0.00%	16.00%	71.00%	10.00%	2.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
Efficiency: Equipment Replacement Incentive	Verified	45,320,196	6,865		14.00%	58.00%	32.00%	5.00%										109%						
Initiative	True-up			0.00%	14.00%	58.00%	32.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
Adjustment to 2015 savings																								
Direct Install Lighting and Water Heating	Verified	3,360,796	810		100.00%													100%						
Initiative	True-up			0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
Adjustment to 2015 savings																								
New Construction and Major Renovation	Verified	931,231	305		1.00%	5.00%	94.00%	0.00%										100%						
Initiative	True-up			0.00%	1.00%	5.00%	94.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
Adjustment to 2015 savings																								
Existing Building Commissioning Incentive	Verified																	0%						
Initiative	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%							
Adjustment to 2015 savings																								
Industrial Program																								
Process and Systems Upgrades Initiatives -	Verified																							
Project Incentive Initiative	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%						
Adjustment to 2015 savings																								



12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative	Verified	4,040,545	1,232			50.00%	50.00%										100%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	<b>Low Income Program</b>																	
14	Low Income Initiative	Verified	343,883	30			100%											100%
	Adjustment to 2015 savings	True-up			100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	<b>Other</b>																	
15	Aboriginal Conservation Program	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
16	2013 Streetlight Project	Verified							100.00%									100%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	<b>Conservation Fund Pilots</b>																	
17	Conservation Fund Pilot - EnerNOC	Verified	6,899,972	498			50.00%	50.00%										100%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
18	Loblaws Pilot	Verified	183,513	14			50.00%	50.00%										100%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
19	Conservation Fund Pilot - SEG	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
20	Social Benchmarking Pilot	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	<b>Conservation First Framework</b>																	
	<b>Residential Province-Wide Programs</b>																	
21	Save on Energy Coupon Program	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
22	Save on Energy Heating and Cooling Program	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
23	Save on Energy New Construction Program	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
24	Save on Energy Home Assistance Program	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	<b>Non-Residential Province-Wide Programs</b>																	
25	Save on Energy Audit Funded Program	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
26	Save on Energy Retrofit Program	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
27	Save on Energy Small Business Lighting Program	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
28	Save on Energy High Performance New Construction Program	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
29	Save on Energy Existing Building Commissioning Program	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
30	Save on Energy Process & Systems Upgrades Program	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
31	Save on Energy Monitoring & Targeting Program	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
32	Save on Energy Energy Manager Program	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	<b>Local &amp; Regional Programs</b>																	
33	Business Refrigeration Local Program	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
34	First Nation Conservation Local Program	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
35	Social Benchmarking Local Program	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	<b>Pilot Programs</b>																	
36	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
37	EnWin Utilities Ltd. - Building Optimization Pilot	Verified																0%
	Adjustment to 2015 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

38	EnWin Utilities Ltd. - Re-Invest Pilot Adjustment to 2015 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
38	Horizon Utilities Corporation - ECM Furnace Motor Pilot Adjustment to 2015 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
40	Horizon Utilities Corporation - Social Benchmarking Pilot Adjustment to 2015 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
41	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot Adjustment to 2015 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
42	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot Adjustment to 2015 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
43	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV Adjustment to 2015 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
44	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agricultural Sector Adjustment to 2015 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
45	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic Adjustment to 2015 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls Adjustment to 2015 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
47	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings) Adjustment to 2015 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
48	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings) Adjustment to 2015 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
49	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings) Adjustment to 2015 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Actual CDM Savings in 2015</b>			<b>73,151,007</b>	<b>12,270</b>	<b>8,841,369</b>	<b>10,286,677</b>	<b>54,456</b>	<b>41,186</b>	<b>14,772</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Forecast CDM Savings in 2015</b>					<b>35,842,920</b>	<b>39,519,293</b>	<b>19,284</b>	<b>16,135</b>	<b>15,417</b>	<b>61,001</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
Distribution Rate in 2015					\$0.01330	\$0.01190	\$4.31180	\$2.21890	\$2.75390	\$10.77320	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Lost Revenue in 2015 from 2011 programs					\$73,063.99	\$148,654.72	\$170,269.92	\$40,215.62	\$1,031.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 433,235.83
Lost Revenue in 2015 from 2012 programs					\$52,139.22	\$90,994.95	\$188,189.60	\$43,999.19	\$5,080.59	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 380,403.55
Lost Revenue in 2015 from 2013 programs					\$53,046.85	\$72,900.48	\$169,244.40	\$50,363.81	\$59,295.07	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 404,850.61
Lost Revenue in 2015 from 2014 programs					\$117,464.43	\$115,454.33	\$235,022.95	\$45,799.55	\$15,667.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 529,408.82
Lost Revenue in 2015 from 2015 programs					\$117,590.21	\$122,411.46	\$234,801.83	\$91,388.50	\$40,680.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ 606,872.28
<b>Total Lost Revenues in 2015</b>					<b>\$413,304.70</b>	<b>\$550,415.94</b>	<b>\$997,528.70</b>	<b>\$271,766.67</b>	<b>\$121,755.07</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$2,354,771.09</b>
<b>Forecast Lost Revenues in 2015 LRAMVA in 2015</b>					<b>\$476,710.84</b>	<b>\$470,279.59</b>	<b>\$83,148.75</b>	<b>\$35,801.95</b>	<b>\$42,456.88</b>	<b>\$657,175.97</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$1,765,573.97</b>
																	<b>\$ 589,197.11</b>
2015 Savings Persisting in 2016					8,687,354	10,146,280	54,456	37,676	11,262	0	0	0	0	0	0	0	0
2015 Savings Persisting in 2017					8,677,416	8,811,851	53,829	37,331	11,208	0	0	0	0	0	0	0	0
2015 Savings Persisting in 2018					8,667,477	8,811,527	53,829	37,331	11,208	0	0	0	0	0	0	0	0
2015 Savings Persisting in 2019					8,643,061	8,239,785	47,337	36,302	10,911	0	0	0	0	0	0	0	0
2015 Savings Persisting in 2020					8,606,026	8,212,887	46,919	36,072	10,875	0	0	0	0	0	0	0	0

Note: LDC to make note of assumptions included above

Table 5-b. 2016 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Rate Allocations for LRAMVA													
		2016	2016	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting								Total
Legacy Framework				kWh	kWh	kW	kW	kW	kW								
Residential Program																	
Coupon Initiative	Verified																0%
Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Bi-Annual Retailer Event Initiative	Verified																0%
Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Appliance Retirement Initiative	Verified																0%
Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
HVAC Incentives Initiative	Verified																0%
Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Residential New Construction and Major Renovation Initiative	Verified																0%
Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Commercial & Institutional Program																	
Energy Audit Initiative	Verified																0%
Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

7	Efficiency: Equipment Replacement Incentive Initiative Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
8	Direct Install Lighting and Water Heating Initiative Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
9	New Construction and Major Renovation Initiative Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
10	Existing Building Commissioning Incentive Initiative Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Industrial Program</b>																		
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Low Income Program</b>																		
14	Low Income Initiative Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Other</b>																		
15	Aboriginal Conservation Program Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
16	Program Enabled Savings Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Conservation Fund Pilots</b>																		
17	Conservation Fund Pilot - EnerNOC Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
18	Loblaws Pilot Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
19	Conservation Fund Pilot - SEG Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
20	Social Benchmarking Pilot Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Conservation First Framework</b>																		
<b>Residential Province-Wide Programs</b>																		
21	Save on Energy Coupon Program Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
22	Save on Energy Heating and Cooling Program Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
23	Save on Energy New Construction Program Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
24	Save on Energy Home Assistance Program Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Non-Residential Province-Wide Programs</b>																		
25	Save on Energy Audit Funding Program Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
26	Save on Energy Retrofit Program Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
27	Save on Energy Small Business Lighting Program Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
28	Save on Energy High Performance New Construction Program Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
29	Save on Energy Existing Building Commissioning Program Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
30	Save on Energy Process & Systems Upgrades Program Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
31	Save on Energy Monitoring & Targeting Program Adjustment to 2016 savings	Verified True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
32	Save on Energy Energy Manager Program	Verified																0%

	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	<b>Local &amp; Regional Programs</b>																	
33	Business Refrigeration Local Program	Verified																0%
	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
34	First Nation Conservation Local Program	Verified																0%
	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
35	Social Benchmarking Local Program	Verified																0%
	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	<b>Pilot Programs</b>																	
36	Energysource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund	Verified																0%
	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
37	EnWin Utilities Ltd. - Building Optimization Pilot	Verified																0%
	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
38	EnWin Utilities Ltd. - Re-Invest Pilot	Verified																0%
	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
39	Horizon Utilities Corporation - ECM Furnace Motor Pilot	Verified																0%
	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
40	Horizon Utilities Corporation - Social Benchmarking Pilot	Verified																0%
	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
41	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot	Verified																0%
	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
42	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot	Verified																0%
	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
43	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV	Verified																0%
	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
44	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agricultural Sector	Verified																0%
	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
45	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic	Verified																0%
	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls	Verified																0%
	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
47	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)	Verified																0%
	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
48	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)	Verified																0%
	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
49	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)	Verified																0%
	Adjustment to 2016 savings	True-up			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Actual CDM Savings in 2016</b>			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Forecast CDM Savings in 2016</b>			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distribution Rate in 2016					\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000
Lost Revenue in 2016 from 2011 programs					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -
Lost Revenue in 2016 from 2012 programs					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -
Lost Revenue in 2016 from 2013 programs					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -
Lost Revenue in 2016 from 2014 programs					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -
Lost Revenue in 2016 from 2015 programs					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -
Lost Revenue in 2016 from 2016 programs					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$ -
<b>Total Lost Revenues in 2016</b>					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$ -</b>
<b>Forecast Lost Revenues in 2016</b>					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$ -</b>
<b>LRAMVA in 2016</b>																		<b>\$ -</b>
2016 Savings Persisting in 2017					0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016 Savings Persisting in 2018					0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016 Savings Persisting in 2019					0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016 Savings Persisting in 2020					0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: LDC to make note of assumptions included above

Table 5-c. 2017 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Rate Allocations for LRAMVA														
		2017	2017	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting									Total

Note: LDC to make note of assumptions included above

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Note: LDC to make note of assumptions included above

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Note: LDC to make note of assumptions included above

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## 5. 2015-2020 LRAM

Lost Revenue in 2020 from 2016 programs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$	-
Lost Revenue in 2020 from 2017 programs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$	-
Lost Revenue in 2020 from 2018 programs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$	-
Lost Revenue in 2020 from 2019 programs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$	-
Lost Revenue in 2020 from 2020 programs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$	-
<b>Total Lost Revenues in 2020</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$</b>	<b>-</b>
<b>Forecast Lost Revenues in 2020</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$</b>	<b>-</b>
<b>LRAMVA in 2020</b>																<b>\$</b>	<b>-</b>

Note: LDC to make note of assumptions included above

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LRAMVA Work Form:  
Carrying Charges by Rate Class

Version 2.0 (2017)

## Legend

User Inputs (Green)
Auto Populated Cells (White)
Instructions (Grey)

## Instructions

1. Please update Table 6 as new approved prescribed interest rates for deferral and variance accounts become available. The quarterly interest rates are used to calculate the carrying charges for LRAMVA. Starting from column I, the principle will auto-populate as monthly variances in Table 6-a, and are multiplied by the interest rates from column H to determine the monthly variances on carrying charges for each rate class by year.
2. The annual carrying charges totals in Table 6-a below pertain to the amount that was originally collected in interest from forecasted CDM savings and what should have been collected based on actual CDM savings. As the amounts calculated in Table 6-a are cumulative, LDCs are requested to enter any collected interest amounts into the "Amounts Cleared" row in order to clear the balance and calculate outstanding variances on carrying charges.

Table 6. Prescribed Interest Rates

Quarter	Approved Deferral & Variance Accounts
2011 Q1	1.47%
2011 Q2	1.47%
2011 Q3	1.47%
2011 Q4	1.47%
2012 Q1	1.47%
2012 Q2	1.47%
2012 Q3	1.47%
2012 Q4	1.47%
2013 Q1	1.47%
2013 Q2	1.47%
2013 Q3	1.47%
2013 Q4	1.47%
2014 Q1	1.47%
2014 Q2	1.47%
2014 Q3	1.47%
2014 Q4	1.47%
2015 Q1	1.47%
2015 Q2	1.10%
2015 Q3	1.10%
2015 Q4	1.10%
2016 Q1	1.10%
2016 Q2	1.10%
2016 Q3	1.10%
2016 Q4	1.10%
2017 Q1	1.10%
2017 Q2	1.10%
2017 Q3	1.10%
2017 Q4	1.10%
2018 Q1	
2018 Q2	
2018 Q3	
2018 Q4	
2019 Q1	
2019 Q2	
2019 Q3	
2019 Q4	
2020 Q1	
2020 Q2	
2020 Q3	
2020 Q4	

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Table 6-a. Calculation of Carrying Costs by Rate Class

[Go to Tab 1: Summary](#)

Month	Period	Quarter	Monthly Rate	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting	Total
Jan-11	2011	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-11	2011	Q1	0.12%	\$6.88	\$16.02	\$16.62	\$3.79	\$0.11	\$0.00	\$43.41
Mar-11	2011	Q1	0.12%	\$13.76	\$32.04	\$33.23	\$7.57	\$0.22	\$0.00	\$86.82
Apr-11	2011	Q2	0.12%	\$20.64	\$48.06	\$49.85	\$11.36	\$0.33	\$0.00	\$130.23
May-11	2011	Q2	0.12%	\$27.52	\$64.08	\$66.46	\$15.14	\$0.44	\$0.00	\$173.64
Jun-11	2011	Q2	0.12%	\$34.40	\$80.09	\$83.08	\$18.93	\$0.55	\$0.00	\$217.04
Jul-11	2011	Q3	0.12%	\$41.28	\$96.11	\$99.70	\$22.71	\$0.66	\$0.00	\$260.45
Aug-11	2011	Q3	0.12%	\$48.15	\$112.13	\$116.31	\$26.50	\$0.77	\$0.00	\$303.86
Sep-11	2011	Q3	0.12%	\$55.03	\$128.15	\$132.93	\$30.29	\$0.87	\$0.00	\$347.27
Oct-11	2011	Q4	0.12%	\$61.91	\$144.17	\$149.54	\$34.07	\$0.98	\$0.00	\$390.68
Nov-11	2011	Q4	0.12%	\$68.79	\$160.19	\$166.16	\$37.85	\$1.09	\$0.00	\$434.09
Dec-11	2011	Q4	0.12%	\$75.67	\$176.21	\$182.78	\$41.64	\$1.20	\$0.00	\$477.50
Total for 2011				\$454.03	\$1,057.25	\$1,096.66	\$249.83	\$7.22	\$0.00	\$2,864.98
Amount Cleared										
Opening Balance for 2012				\$454.03	\$1,057.25	\$1,096.66	\$249.83	\$7.22	\$0.00	\$2,864.98
Jan-12	2011-2012	Q1	0.12%	\$82.55	\$192.23	\$199.39	\$45.42	\$1.31	\$0.00	\$520.91
Feb-12	2011-2012	Q1	0.12%	\$94.08	\$216.38	\$225.07	\$55.46	\$1.98	\$0.00	\$602.98
Mar-12	2011-2012	Q1	0.12%	\$105.60	\$244.53	\$270.75	\$61.53	\$2.65	\$0.00	\$685.06
Apr-12	2011-2012	Q2	0.12%	\$117.12	\$270.68	\$306.43	\$69.58	\$3.32	\$0.00	\$767.13
May-12	2011-2012	Q2	0.12%	\$128.65	\$296.84	\$342.11	\$77.63	\$3.99	\$0.00	\$849.21
Jun-12	2011-2012	Q2	0.12%	\$140.17	\$322.99	\$377.78	\$85.68	\$4.65	\$0.00	\$931.28
Jul-12	2011-2012	Q3	0.12%	\$151.70	\$349.14	\$413.46	\$93.74	\$5.32	\$0.00	\$1,013.36
Aug-12	2011-2012	Q3	0.12%	\$163.22	\$375.29	\$449.14	\$101.79	\$5.99	\$0.00	\$1,095.43
Sep-12	2011-2012	Q3	0.12%	\$174.75	\$401.44	\$484.82	\$109.84	\$6.66	\$0.00	\$1,177.51
Oct-12	2011-2012	Q4	0.12%	\$186.27	\$427.60	\$520.50	\$117.89	\$7.33	\$0.00	\$1,259.58
Nov-12	2011-2012	Q4	0.12%	\$197.79	\$453.75	\$556.18	\$125.94	\$8.00	\$0.00	\$1,341.66
Dec-12	2011-2012	Q4	0.12%	\$209.32	\$479.90	\$591.86	\$134.00	\$8.66	\$0.00	\$1,423.73
Total for 2012				\$2,205.25	\$5,090.01	\$5,844.14	\$1,326.34	\$67.07	\$0.00	\$14,532.82
Amount Cleared										
Opening Balance for 2013				\$2,205.25	\$5,090.01	\$5,844.14	\$1,326.34	\$67.07	\$0.00	\$14,532.82
Jan-13	2011-2013	Q1	0.12%	\$220.84	\$506.05	\$627.53	\$142.05	\$9.33	\$0.00	\$1,505.81
Feb-13	2011-2013	Q1	0.12%	\$191.46	\$493.46	\$672.62	\$152.09	\$11.74	\$-60.41	\$1,460.95
Mar-13	2011-2013	Q1	0.12%	\$162.08	\$480.87	\$717.70	\$162.12	\$14.16	\$-120.83	\$1,416.10
Apr-13	2011-2013	Q2	0.12%	\$132.70	\$468.28	\$762.78	\$172.16	\$16.57	\$-181.24	\$1,371.25
May-13	2011-2013	Q2	0.12%	\$103.32	\$455.69	\$807.87	\$182.20	\$18.98	\$-241.66	\$1,326.39
Jun-13	2011-2013	Q2	0.12%	\$73.94	\$443.09	\$852.95	\$192.24	\$21.39	\$-302.07	\$1,281.54
Jul-13	2011-2013	Q3	0.12%	\$44.56	\$430.50	\$898.03	\$202.28	\$23.80	\$-362.49	\$1,236.69
Aug-13	2011-2013	Q3	0.12%	\$15.18	\$417.91	\$943.11	\$212.31	\$26.21	\$-422.90	\$1,191.83
Sep-13	2011-2013	Q3	0.12%	\$-14.20	\$405.32	\$988.20	\$222.35	\$28.63	\$-483.32	\$1,146.98
Oct-13	2011-2013	Q4	0.12%	\$-43.58	\$392.73	\$1,033.28	\$232.39	\$31.04	\$-543.73	\$1,102.13
Nov-13	2011-2013	Q4	0.12%	\$-72.96	\$380.14	\$1,078.36	\$242.43	\$33.45	\$-604.15	\$1,057.27
Dec-13	2011-2013	Q4	0.12%	\$-102.34	\$367.55	\$1,123.45	\$252.47	\$35.86	\$-664.56	\$1,012.42
Total for 2013				\$2,916.26	\$10,331.60	\$16,350.03	\$3,693.43	\$338.24	\$-3,987.38	\$29,642.18
Amount Cleared										
Opening Balance for 2014				\$2,916.26	\$10,331.60	\$16,350.03	\$3,693.43	\$338.24	\$-3,987.38	\$29,642.18
Jan-14	2011-2014	Q1	0.12%	\$-131.72	\$354.96	\$1,168.53	\$262.51	\$38.27	\$-724.98	\$967.57
Feb-14	2011-2014	Q1	0.12%	\$-148.37	\$352.19	\$1,237.50	\$277.28	\$42.37	\$-768.73	\$992.24
Mar-14	2011-2014	Q1	0.12%	\$-165.02	\$349.43	\$1,306.46	\$292.05	\$46.47	\$-812.47	\$1,016.92
Apr-14	2011-2014	Q2	0.12%	\$-181.67	\$346.67	\$1,375.43	\$306.82	\$50.57	\$-856.22	\$1,041.59
May-14	2011-2014	Q2	0.12%	\$-198.31	\$343.90	\$1,444.39	\$321.59	\$54.66	\$-899.97	\$1,066.27
Jun-14	2011-2014	Q2	0.12%	\$-214.96	\$341.14	\$1,513.36	\$336.36	\$58.76	\$-943.72	\$1,090.94
Jul-14	2011-2014	Q3	0.12%	\$-231.61	\$338.38	\$1,582.33	\$351.13	\$62.86	\$-987.46	\$1,115.62
Aug-14	2011-2014	Q3	0.12%	\$-248.26	\$335.62	\$1,651.29	\$365.90	\$66.96	\$-1,031.21	\$1,140.29
Sep-14	2011-2014	Q3	0.12%	\$-264.91	\$332.85	\$1,720.26	\$380.67	\$71.06	\$-1,074.96	\$1,164.97
Oct-14	2011-2014	Q4	0.12%	\$-281.55	\$330.09	\$1,789.22	\$395.44	\$75.15	\$-1,118.71	\$1,189.64
Nov-14	2011-2014	Q4	0.12%	\$-298.20	\$327.33	\$1,858.19	\$410.21	\$79.25	\$-1,162.46	\$1,214.32
Dec-14	2011-2014	Q4	0.12%	\$-314.85	\$324.56	\$1,927.16	\$424.98	\$83.35	\$-1,206.20	\$1,239.00
Total for 2014				\$236.83	\$14,408.72	\$34,924.15	\$7,818.34	\$1,067.98	\$-15,574.47	\$42,881.55
Amount Cleared										
Opening Balance for 2015				\$236.83	\$14,408.72	\$34,924.15	\$7,818.34	\$1,067.98	\$-15,574.47	\$42,881.55
Jan-15	2011-2015	Q1	0.12%	\$-331.50	\$321.80	\$1,996.12	\$439.75	\$87.45	\$-1,249.95	\$1,263.67
Feb-15	2011-2015	Q1	0.12%	\$-357.67	\$319.04	\$2,089.47	\$466.54	\$95.54	\$-1,274.12	\$1,366.79
Mar-15	2011-2015	Q1	0.12%	\$-384.44	\$316.28	\$2,182.81	\$493.33	\$103.64	\$-1,298.30	\$1,469.79
Apr-15	2011-2015	Q2	0.09%	\$-262.59	\$259.17	\$1,703.24	\$383.14	\$83.61	\$-989.60	\$1,176.97
May-15	2011-2015	Q2	0.09%	\$-267.43	\$265.29	\$1,773.09	\$401.16	\$89.67	\$-1,007.69	\$1,254.09
Jun-15	2011-2015	Q2	0.09%	\$-272.28	\$271.41	\$1,842.94	\$419.19	\$95.72	\$-1,025.78	\$1,331.21

Jul-15	2011-2015	Q3	0.09%	-\$277.12	\$277.53	\$1,912.79	\$437.21	\$101.78	-\$1,043.87	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,408.33
Aug-15	2011-2015	Q3	0.09%	-\$281.97	\$283.65	\$1,982.64	\$455.24	\$107.84	-\$1,061.96	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,485.45
Sep-15	2011-2015	Q3	0.09%	-\$286.81	\$289.78	\$2,052.48	\$473.26	\$113.90	-\$1,080.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,562.57
Oct-15	2011-2015	Q4	0.09%	-\$291.65	\$295.90	\$2,122.33	\$491.29	\$119.95	-\$1,098.13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,639.69
Nov-15	2011-2015	Q4	0.09%	-\$296.50	\$302.02	\$2,192.18	\$509.31	\$126.01	-\$1,116.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,716.81
Dec-15	2011-2015	Q4	0.09%	-\$301.34	\$308.14	\$2,262.03	\$527.34	\$132.07	-\$1,134.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,793.93
<b>Total for 2015</b>				<b>-\$3,314.77</b>	<b>\$17,951.56</b>	<b>\$59,036.28</b>	<b>\$13,307.01</b>	<b>\$2,325.16</b>	<b>-\$28,954.45</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$60,350.79</b>
Amount Cleared																	
<b>Opening Balance for 2016</b>				<b>-\$3,314.77</b>	<b>\$17,951.56</b>	<b>\$59,036.28</b>	<b>\$13,307.01</b>	<b>\$2,325.16</b>	<b>-\$28,954.45</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$60,350.79</b>
Jan-16	2011-2016	Q1	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Feb-16	2011-2016	Q1	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Mar-16	2011-2016	Q1	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Apr-16	2011-2016	Q2	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
May-16	2011-2016	Q2	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Jun-16	2011-2016	Q2	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Jul-16	2011-2016	Q3	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Aug-16	2011-2016	Q3	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Sep-16	2011-2016	Q3	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Oct-16	2011-2016	Q4	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Nov-16	2011-2016	Q4	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Dec-16	2011-2016	Q4	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
<b>Total for 2016</b>				<b>-\$6,988.96</b>	<b>\$21,722.71</b>	<b>\$87,018.83</b>	<b>\$19,851.39</b>	<b>\$3,982.69</b>	<b>-\$42,783.22</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$82,803.44</b>
Amount Cleared																	
<b>Opening Balance for 2017</b>				<b>-\$6,988.96</b>	<b>\$21,722.71</b>	<b>\$87,018.83</b>	<b>\$19,851.39</b>	<b>\$3,982.69</b>	<b>-\$42,783.22</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$82,803.44</b>
Jan-17	2011-2017	Q1	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Feb-17	2011-2017	Q1	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Mar-17	2011-2017	Q1	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Apr-17	2011-2017	Q2	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
May-17	2011-2017	Q2	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Jun-17	2011-2017	Q2	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Jul-17	2011-2017	Q3	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Aug-17	2011-2017	Q3	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Sep-17	2011-2017	Q3	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Oct-17	2011-2017	Q4	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Nov-17	2011-2017	Q4	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
Dec-17	2011-2017	Q4	0.09%	-\$306.18	\$314.26	\$2,331.88	\$545.36	\$138.13	-\$1,152.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,871.05
<b>Total for 2017</b>				<b>-\$10,663.15</b>	<b>\$25,493.86</b>	<b>\$115,001.38</b>	<b>\$26,395.77</b>	<b>\$5,640.22</b>	<b>-\$56,611.98</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$105,256.09</b>





## Supporting Documentation: LDC Persistence Savings Results from IESO

Version 2.0 (2017)

Legend

Instructions (Grey)

### Supporting Documentation

The following tabs 7-a to 7-j must be populated with the verified savings results from the IESO's (or former OPA's) persistence reports.

The persistence data tabs have been structured in a way to match the formatting of the persistence report provided by the IESO.

[Tab 7-a. 2011](#)

[Tab 7-b. 2012](#)

[Tab 7-c. 2013](#)

[Tab 7-d. 2014](#)

[Tab 7-e. 2015](#)

[Tab 7-f. 2016](#)

**Table 7-a. 2011 Persisting Savings**

1. LDCs are requested to paste a copy of the 2011 "LDC CDM Program Results Persistence Report" in the space below as
2. Please ensure that verified adjustments to 2011 programs that become available in future evaluation audits are included

#	Portfolio	Program	Initiative	LDC	Sector
1	Tier 1	Consumer	Appliance Exchange	Enersourc	Residentia
2	Tier 1	Consumer	Appliance Retirement	Enersourc	Residentia
3	Tier 1	Consumer	Bi-Annual Retailer Event	Enersourc	Residentia
4	Tier 1	Consumer	Conservation Instant Coupon Booklet	Enersourc	Residentia
5	Tier 1	Consumer	HVAC Incentives	Enersourc	Residentia
6	Tier 1	Consumer	Residential Demand Response	Enersourc	Residentia
7	Tier 1	Consumer	Retailer Co-op	Enersourc	Residentia
8	Tier 1	Business	Demand Response 3 (part of the Industrial program schedule)	Enersourc	Commerci
9	Tier 1	Business	Direct Install Lighting	Enersourc	Commerci
10	Tier 1	Business	Retrofit	Enersourc	Commerci
11	Tier 1	Industrial	Demand Response 3	Enersourc	Industrial
12	Tier 1	Industrial	Retrofit	Enersourc	Industrial
13	Tier 1	Pre-2011 Prc Electricity Retrofit Incentive Program		Enersourc	Commerci
14	Tier 1	Pre-2011 Prc High Performance New Construction		Enersourc	Commerci
15	Tier 1	Pre-2011 Prc Multifamily Energy Efficiency Rebates		Enersourc	Commerci
etc.					

[Go to Tab 4.](#)

it relates to the calculation of LRAMVA.

in the 2011 form below.

Conservation Resource Type	(Implementation) Year	Tx (Transmission) or Dx (Distribution) Connected	Status	Notes	Activity Unit Name	Activity / Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (kW)	Gross Energy Savings (kWh)
EE	2011		Final; Released	Augu Appliance:		98	19	22,010
EE	2011		Final; Released	Augu Appliance:		2,062	233	1,711,574
EE	2011		Final; Released	Augu Products		34,173	59	1,056,196
EE	2011		Final; Released	Augu Products		20,386	42	692,278
EE	2011		Final; Released	Augu Installation		7,261	3,301	6,033,153
DR	2011		Final; Released	New participant Devices		533	298	773
EE	2011		Final; Released	Custom re Products		5	0	129
DR	2011		Final; Released	Gross reflective Facilities		10	2,373	70,271
EE	2011		Final; Released	Augu Projects		3,407	3,137	9,136,175
EE	2011		Final; Released	Augu Projects		198	3,113	16,278,798
DR	2011		Final; Released	Gross reflective Facilities		8	3,840	189,961
EE	2011		Final; Released	Augu Projects		32	594	2,652,721
EE	2011		Final; Released	Not evaluated Projects		185	4,087	23,397,458
EE	2011		Final; Released	Not evaluated Projects		4	323	1,657,947
EE	2011		Final; Released	Not evaluated Projects		2	0	462

Net Verified Annual Peak Demand Savings at the End-User Level (kW)													
2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
10	10	10	3		-	-	-	-		-	-	-	-
110	110	110	109	81	-	-	-	-		-	-	-	-
66	66	66	66	61	56	46	45	55	26	4	4	4	3
47	47	47	47	44	41	35	34	40	23	3	3	3	3
1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995
298					-	-	-	-		-	-	-	-
0	0	0	0	0	0	0	0	0	0	-	-	-	-
1,800					-	-	-	-		-	-	-	-
3,359	3,359	3,274	2,887	2,887	2,867	415	407	407	407	371	371	18	18
2,236	2,236	2,236	2,236	2,236	2,236	2,236	2,236	1,733	1,733	411	411	411	411
3,236					-	-	-	-		-	-	-	-
422	422	422	422	422	422	422	422	402	402	129	129	129	129
2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	-
161	161	161	161	161	161	161	161	161	161	161	161	161	161
0	0	0	0	0	0	0	0	0	0	0	0	0	-

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2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	3	-	-	-	-	-	-	-	-	-	-	-	-
3	3	-	-	-	-	-	-	-	-	-	-	-	-
1,995	1,995	1,995	1,995	1,577	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-
411	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
129	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
161	96	96	96	96	96	96	96	96	96	96	96	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

		Net Verified Annual Energy Savings at the End-User Level (kWh)						
2039	2040	2011	2012	2013	2014	2015	2016	2017
-	-	11,343	11,343	11,343	5,414	-	-	-
-	-	812,064	812,064	812,064	811,350	618,340	-	-
-	-	1,153,895	1,153,895	1,153,895	1,153,895	1,054,575	946,072	713,278
-	-	763,430	763,430	763,430	763,430	702,240	635,393	498,237
-	-	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070
-	-	773	-	-	-	-	-	-
-	-	87	87	87	87	87	87	49
-	-	70,271	-	-	-	-	-	-
-	-	8,483,296	8,481,220	8,234,295	7,110,797	7,110,797	7,065,244	1,115,244
-	-	12,075,272	12,075,272	12,075,272	12,075,272	12,075,272	12,075,272	12,075,272
-	-	189,961	-	-	-	-	-	-
-	-	1,994,497	1,994,497	1,994,497	1,994,497	1,994,497	1,994,497	1,994,497
-	-	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671
-	-	828,974	828,974	828,974	828,974	828,974	828,974	828,974
-	-	314	314	314	314	314	314	314

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2018	2019	2020	2021	2022	2023	2024
-	-	-	-	-	-	-
-	-	-	-	-	-	-
710,676	918,499	294,738	106,126	93,420	93,420	68,994
495,051	623,089	238,796	75,884	61,290	61,290	56,171
3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070
-	-	-	-	-	-	-
49	49	12	-	-	-	-
-	-	-	-	-	-	-
1,109,301	1,109,301	1,109,301	873,450	873,450	13,492	13,492
12,075,272	9,675,568	9,675,568	2,679,785	2,679,785	2,679,785	2,679,785
-	-	-	-	-	-	-
1,994,497	1,932,922	1,932,922	188,877	188,877	188,877	188,877
12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	-
828,974	828,974	828,974	828,974	828,974	828,974	828,974
314	314	314	314	314	314	-

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2025	2026	2027	2028	2029	2030	2031
-	-	-	-	-	-	-
-	-	-	-	-	-	-
68,994	62,689	-	-	-	-	-
56,171	54,539	-	-	-	-	-
3,614,070	3,614,070	3,614,070	3,614,070	3,240,132	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
13,492	-	-	-	-	-	-
2,679,785	-	-	-	-	-	-
-	-	-	-	-	-	-
188,877	-	-	-	-	-	-
-	-	-	-	-	-	-
828,974	494,260	494,260	494,260	494,260	494,260	494,260
-	-	-	-	-	-	-



[illegible]

1. LDCs are requested to paste a copy of the 2012 "LDC CDM Program Results Persistence Report" in the space below as it relates to the calculation of LRAMVA.

2. Please ensure that verified adjustments to 2012 programs that become available in future evaluation audits are included in the 2012 form below.

#	Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Tx (Transmission) or Dx (Distribution) Connected	Status	Notes	Activity Unit Name
1	Tier 1	Business	Direct Install Lighting	Enersourc	C&I	EE	2012		Final; Released Augu	Projects	
2	Tier 1	Business	Retrofit	Enersourc	C&I	EE	2012		Final; Released Augu	Projects	
3	Tier 1	Business	Energy Audit	Enersourc	C&I	EE	2012		Final; Released Augu	Audits	
4	Tier 1	Business	High Performance New Construction	Enersourc	C&I	EE	2012		Final; Released Augu	Projects	
5	Tier 1	Consumer	Appliance Exchange	Enersourc	Residentia	EE	2012		Final; Released Augu	Appliance	
6	Tier 1	Consumer	Appliance Retirement	Enersourc	Residentia	EE	2012		Final; Released Augu	Appliance	
7	Tier 1	Consumer	Bi-Annual Retailer Event	Enersourc	Residentia	EE	2012		Final; Released Augu	Products	
8	Tier 1	Consumer	Conservation Instant Coupon Booklet	Enersourc	Residentia	EE	2012		Final; Released Augu	Products	
9	Tier 1	Consumer	HVAC Incentives	Enersourc	Residentia	EE	2012		Final; Released Augu	Installatio	
10	Tier 1	Consumer	Residential Demand Response	Enersourc	Residentia	DR	2012		Final; Released Augu	Devices	
11	Tier 1	Home Assistanc	Home Assistance Program	Enersourc	Residentia	EE	2012		Final; Released Augu	Projects	
12	Tier 1	Industrial	Demand Response 3	Enersourc	Industrial	DR	2012		Final; Released Augu	Facilities	
13	Tier 1	Pre-2011 Progra	High Performance New Construction	Enersourc	C&I	EE	2012		Final; Released Augu	Projects	
14	Tier 1	Business	Demand Response 3 (part of the Industrial program schedule)	Enersourc	C&I	DR	2012		Final; Released Augu	Facilities	
15	Tier 1	Industrial	Energy Manager	Enersourc	Industrial	EE	2012		Final; Released August 31, 2013		
16	Non-Tier 1	Consumer	Residential and Small Commercial Demand Response	Enersourc	Residentia	DR	2012		Final; Released Augu	Devices	
17	Non-Tier 1	Consumer	Residential and Small Commercial Demand Response	Enersourc	Residentia	DR	2012		Final; Released Augu	Devices	
18	Non-Tier 1	Industrial	Demand Response 3	Enersourc	Industrial	DR	2012		Final; Released Augu	Facilities	
19	Non-Tier 1	Business	Residential and Small Commercial Demand Response	Enersourc	Business	DR	2012		Final; Released Augu	Devices	
20	Non-Tier 1	Business	Demand Response 3	Enersourc	Business	DR	2012		Final; Released Augu	Facilities	
21	Tier 1 - 2011 Adjustment	Business	Retrofit	Enersourc	C&I	EE	2011		Final; Released Augu	Projects	
22	Tier 1 - 2011 Adjustment	Business	Direct Install Lighting	Enersourc	C&I	EE	2011		Final; Released Augu	Projects	
23	Tier 1 - 2011 Adjustment	Business	Energy Audit	Enersourc	C&I	EE	2011		Final; Released Augu	Projects	
24	Tier 1 - 2011 Adjustment	Pre-2011 Progra	High Performance New Construction	Enersourc	C&I	EE	2011		Final; Released Augu	Buildings	
25	Tier 1 - 2011 Adjustment	Consumer	HVAC Incentives	Enersourc	Residentia	EE	2011		Final; Released Augu	Installatio	
26	Tier 1 - 2011 Adjustment	Consumer	Bi-Annual Retailer Event	Enersourc	Residentia	EE	2011		Final; Released Augu	Products	
27	Tier 1 - 2011 Adjustment	Consumer	Conservation Instant Coupon Booklet	Enersourc	Residentia	EE	2011		Final; Released Augu	Products	
etc.											

Activity / Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (kW)	Gross Energy Savings (kWh)	Net Verified Annual Peak Demand Savings at the End-User Level (kW)														
			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
1,556	64	115,551	-	1,340	1,340	1,294	1,093	1,093	241	241	233	233	233	221	221	16	16
359	6,027	32,442,207	-	4,531	4,500	4,452	4,392	4,392	4,118	4,020	4,020	3,671	2,361	2,317	2,317	810	640
37	255	372,632	-	192	192	192	192	-	-	-	-	-	-	-	-	-	-
1	128	32,229	-	97	97	97	97	97	97	97	97	97	97	97	97	97	97
118	23	58,856	-	17	17	17	17	-	-	-	-	-	-	-	-	-	-
1,075	79	916,136	-	59	59	59	58	36	-	-	-	-	-	-	-	-	-
41,656	77	1,147,401	-	58	58	58	58	53	45	34	34	34	22	8	8	8	8
1,213	12	54,900	-	9	9	9	9	9	9	8	8	8	8	0	0	0	0
5,640	1,599	4,840,488	-	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202
2,742	1,679	10,075	-	1,262	-	-	-	-	-	-	-	-	-	-	-	-	-
246	53	(47,679)	-	40	38	38	38	38	38	38	38	32	31	31	31	29	29
10	4,881	(58,400)	-	3,670	-	-	-	-	-	-	-	-	-	-	-	-	-
5	251	836,260	-	189	189	189	189	189	189	189	189	189	189	189	189	-	-
12	2,888	31,557	-	2,171	-	-	-	-	-	-	-	-	-	-	-	-	-
1	3	19,155	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3	2	11	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
9,293	5,691	34,146	-	4,279	-	-	-	-	-	-	-	-	-	-	-	-	-
22	20,765	376,265	-	15,613	-	-	-	-	-	-	-	-	-	-	-	-	-
7	6	25	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-
4	271	2,963	-	204	-	-	-	-	-	-	-	-	-	-	-	-	-
42	617	2,278,457	464	464	464	464	464	419	348	182	175	175	172	138	87	87	87
43	58	133,740	53	53	53	44	44	44	4	4	4	4	4	4	-	-	-
9	47	226,586	47	47	47	47	47	-	-	-	-	-	-	-	-	-	-
1	180	187,365	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
(1,208)	(787)	(1,424,169)	(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)
3,213	5	93,200	4	4	4	4	4	4	2	2	2	1	0	0	0	0	0
323	1	10,051	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0

																Net Verified Annual Energy Savings at the End-User Level		
2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040		2011	2012	2013
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,890,220	4,890,180
640	176	137	137	137	137	-	-	-	-	-	-	-	-	-	-	-	24,392,637	24,288,756
97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	931,521	931,521
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	247,001	247,001
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30,332	30,332
8	8	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	430,436	430,436
0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,051,579	1,051,579
1,202	1,202	1,202	1,202	909	-	-	-	-	-	-	-	-	-	-	-	-	54,900	54,900
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,016,291	2,016,291
25	24	24	24	24	24	0	-	-	-	-	-	-	-	-	-	-	10,075	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	261,837	261,837
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88,449	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	418,130	418,130
3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	31,557	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17,296	17,296
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34,146	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	376,265	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,963	-
26	4	4	4	4	-	-	-	-	-	-	-	-	-	-	-	1,702,657	1,702,657	1,702,657
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	124,183	124,183	123,614
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	226,586	226,586	226,586
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93,683	93,683	93,683
(328)	(328)	(328)	(258)	-	-	-	-	-	-	-	-	-	-	-	-	(593,233)	(593,233)	(593,233)
0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85,731	85,731	85,731
0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,824	10,824	10,824

⌌ (kWh)

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
4,693,914	3,837,661	3,837,428	853,403	853,403	845,458	845,458	845,458	726,395	726,395	16,391	16,391	16,391
24,131,826	23,935,785	23,935,785	23,037,690	22,455,199	22,455,199	21,163,793	13,698,164	12,836,678	12,737,200	3,822,451	3,263,749	3,263,749
931,521	931,521	-	-	-	-	-	-	-	-	-	-	-
247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001
30,332	29,954	-	-	-	-	-	-	-	-	-	-	-
430,436	429,719	276,505	-	-	-	-	-	-	-	-	-	-
1,051,579	1,051,579	945,302	768,666	524,309	523,219	523,219	265,755	197,225	191,096	191,096	177,754	177,754
54,900	54,900	54,075	54,075	25,464	25,323	25,323	25,323	4,113	3,312	3,312	2,846	2,846
2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291
-	-	-	-	-	-	-	-	-	-	-	-	-
261,837	236,273	235,659	235,659	228,576	227,170	109,776	109,119	104,420	104,420	99,283	99,283	64,858
-	-	-	-	-	-	-	-	-	-	-	-	-
418,130	418,130	418,130	418,130	418,130	418,130	418,130	418,130	418,130	418,130	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
17,296	17,296	17,296	17,296	17,296	17,296	17,296	17,296	17,296	17,296	17,296	17,296	17,296
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
1,702,657	1,702,657	1,530,308	1,276,471	756,134	726,513	726,513	690,550	593,305	273,973	273,973	273,973	236,314
103,162	103,162	102,817	11,875	11,875	11,875	11,875	9,420	9,420	-	-	-	-
226,586	226,586	-	-	-	-	-	-	-	-	-	-	-
93,683	93,683	93,683	93,683	93,683	93,683	93,683	93,683	93,683	93,683	93,683	93,683	-
(593,233)	(593,233)	(593,233)	(593,233)	(593,233)	(593,233)	(593,233)	(593,233)	(593,233)	(593,233)	(593,233)	(593,233)	(593,233)
85,731	85,731	77,904	42,060	42,051	42,051	9,277	7,794	7,157	7,157	5,939	5,939	5,932
10,824	10,824	9,889	6,067	6,059	6,059	2,146	969	705	705	633	633	627

2040	2039	2038	2037	2036	2035	2034	2033	2032	2031	2030	2029	2028	2027
-	-	-	-	-	-	-	-	-	365,474	365,474	365,474	365,474	428,146
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	49,192	49,192	49,192	49,192	175,323
-	-	-	-	-	-	-	-	-	-	-	-	-	2,741
-	-	-	-	-	-	-	-	-	-	1,753,822	2,016,291	2,016,291	2,016,291
-	-	-	-	-	-	-	-	3,165	64,022	64,022	64,022	64,022	64,022
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	17,296	17,296	17,296
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	14,159	14,159	14,159	14,159
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	(531,205)	(593,233)	(593,233)
-	-	-	-	-	-	-	-	-	-	-	-	-	-

#	Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Tx (Transmission) or Dx (Distribution) Connected	Status	Notes	Activity Unit Name
1	LDC	Business	Energy Audit Funding	Enersourc	Commercial	EE	2012	Dx		N/A	Audit
2	LDC	Business	Energy Audit Funding	Enersourc	Commercial	EE	2013	Dx		N/A	Audit
3	LDC	Business	DR-3	Enersourc	Commercial	DR	2013	Dx		N/A	Facilities
4	LDC	Business	Retrofit	Enersourc	Commercial	EE	2012	Dx		N/A	Projects
5	LDC	Business	Retrofit	Enersourc	Commercial	EE	2013	Dx		N/A	Projects
6	LDC	Business	Small Business Lighting	Enersourc	Commercial	EE	2012	Dx		N/A	Projects
7	LDC	Business	Small Business Lighting	Enersourc	Commercial	EE	2013	Dx		N/A	Projects
8	LDC	Consumer	Annual Coupons	Enersourc	Residential	EE	2013	Dx		Custom lo measures	
9	LDC	Consumer	Appliance Exchange	Enersourc	Residential	EE	2013	Dx		Dehumidifi	Appliance
10	LDC	Consumer	Appliance Retirement	Enersourc	Residential	EE	2013	Dx		N/A	Appliance
11	LDC	Consumer	Bi-Annual Retailer Events	Enersourc	Residential	EE	2013	Dx		Custom lo measures	
12	LDC	Consumer	Home Assistance Program	Enersourc	Residential	EE	2013	Dx		N/A	Projects C
13	LDC	Consumer	HVAC	Enersourc	Residential	EE	2013	Dx		Blended L Equipmen	
14	LDC	Consumer	HVAC	Enersourc	Residential	EE	2011	Dx		Blended L Equipmen	
15	LDC	Consumer	HVAC	Enersourc	Residential	EE	2012	Dx		Blended L Equipmen	
16	LDC	Consumer	peaksaverPLUS	Enersourc	Residential	DR	2006	Dx		N/A	Devices
17	LDC	Consumer	peaksaverPLUS	Enersourc	Residential	DR	2007	Dx		N/A	Devices
18	LDC	Consumer	peaksaverPLUS	Enersourc	Residential	DR	2008	Dx		N/A	Devices
19	LDC	Consumer	peaksaverPLUS	Enersourc	Residential	DR	2009	Dx		N/A	Devices
20	LDC	Consumer	peaksaverPLUS	Enersourc	Residential	DR	2010	Dx		N/A	Devices
21	LDC	Consumer	peaksaverPLUS	Enersourc	Residential	DR	2011	Dx		N/A	Devices
22	LDC	Consumer	peaksaverPLUS	Enersourc	Residential	DR	2012	Dx		N/A	Devices
23	LDC	Consumer	peaksaverPLUS	Enersourc	Residential	DR	2013	Dx		N/A	Devices
24	LDC	Consumer	peaksaverPLUS (IHD)	Enersourc	Residential	DR	2012	Dx		N/A	Devices
25	LDC	Consumer	peaksaverPLUS (IHD)	Enersourc	Residential	DR	2013	Dx		N/A	Devices
26	LDC	Industrial	DR-3	Enersourc	Industrial	DR	2013	Dx		N/A	Facilities
27	LDC	Industrial	Energy Manager	Enersourc	Industrial	EE	2013	Dx		N/A	
28	Non-LDC	Business	peaksaverPLUS	Enersourc	Commercial	DR	2007	Dx		N/A	Devices
29	Non-LDC	Consumer	peaksaverPLUS	Enersourc	Residential	DR	2006	Dx		N/A	Devices
30	Non-LDC	Consumer	peaksaverPLUS	Enersourc	Residential	DR	2007	Dx		N/A	Devices
31	Non-LDC	Consumer	peaksaverPLUS	Enersourc	Residential	DR	2008	Dx		N/A	Devices
32	Non-LDC	Consumer	peaksaverPLUS	Enersourc	Residential	DR	2009	Dx		N/A	Devices
33	Non-LDC	Consumer	peaksaverPLUS	Enersourc	Residential	DR	2010	Dx		N/A	Devices
34	Non-LDC	Industrial	DR-3	Enersourc	Industrial	DR	2013	Dx		N/A	Facilities
35	LDC	Consumer	Appliance Retirement	Enersourc	Residential	EE	2013	Dx		N/A	Appliance
36	LDC	Consumer	HVAC	Enersourc	Residential	EE	2012	Dx		Blended L Equipmen	
etc.											

Activity / Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (kW)	Gross Energy Savings (kWh)	Net Verified Annual Peak Demand Savings at the End-User Level (kW)									
			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
9	47	226,586	-	47	47	47	47	-	-	-	-	-
11	148	806,418	-	-	97	97	97	97	-	-	-	-
7	-	-	-	-	1,079	-	-	-	-	-	-	-
40	567	5,250,452	-	419	419	413	385	385	362	360	360	347
547	5,817	31,277,603	-	-	4,348	4,258	4,189	4,187	3,943	3,870	3,870	3,860
2	4	17,773	-	4	4	4	1	1	0	0	0	0
1248	1,263	4,147,308	-	-	1,193	1,193	1,138	949	284	277	277	273
13621	18	268,660	-	-	20	20	20	17	17	17	17	17
89	35	62,470	-	-	18	18	18	18	-	-	-	-
575	79	524,800	-	-	37	37	37	37	21	-	-	-
37096	45	645,567	-	-	46	46	44	35	35	35	35	35
240	20	198,590	-	-	20	19	19	18	18	18	18	18
6174	2,655	4,620,192	-	-	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289
2	1	1,488	1	1	1	1	1	1	1	1	1	1
140	61	105,147	-	27	27	27	27	27	27	27	27	27
33	-	-	-	-	19	-	-	-	-	-	-	-
869	-	-	-	-	493	-	-	-	-	-	-	-
794	-	-	-	-	450	-	-	-	-	-	-	-
1,060	-	-	-	-	601	-	-	-	-	-	-	-
1,446	-	-	-	-	820	-	-	-	-	-	-	-
512	-	-	-	-	290	-	-	-	-	-	-	-
233	-	-	-	-	132	-	-	-	-	-	-	-
6,151	-	-	-	-	3,486	-	-	-	-	-	-	-
584	-	-	-	-	-	-	-	-	-	-	-	-
9,841	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	17,139	-	-	-	-	-	-	-
20	1,083	4,180,521	-	-	974	888	888	885	724	25	25	25
7	-	-	-	-	4	-	-	-	-	-	-	-
133	-	-	-	-	75	-	-	-	-	-	-	-
2170	-	-	-	-	1,230	-	-	-	-	-	-	-
1468	-	-	-	-	832	-	-	-	-	-	-	-
1602	-	-	-	-	908	-	-	-	-	-	-	-
1681	-	-	-	-	953	-	-	-	-	-	-	-
5	-	-	-	-	1,651	-	-	-	-	-	-	-
1	-	1,000	-	-	0	0	0	0	0	-	-	-
1	-	1,000	-	0	0	0	0	0	0	0	0	0



2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337	311	309	147	129	129	94	9	8	8	8	-	-	-	-
3,543	3,082	2,447	2,367	1,093	722	722	623	198	192	192	192	-	-	-
0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
273	273	263	185	5	5	5	-	-	-	-	-	-	-	-
13	13	10	10	10	10	10	10	10	6	6	6	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	30	22	14	14	14	14	14	12	7	7	7	-	-	-
13	13	13	13	12	12	6	6	6	6	6	6	1	-	-
1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,005	-	-	-	-
1	1	1	1	1	1	1	1	0	-	-	-	-	-	-
27	27	27	27	27	27	27	27	27	27	21	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	25	25	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0	0	0	0	0	0	0	0	0	0	0	-	-	-	-

					Net Verified Annual Energy Savings at the End-User Level (kWh)						
2036	2037	2038	2039	2040	2011	2012	2013	2014	2015	2016	2017
-	-	-	-	-	-	226,586	226,586	226,586	226,586	-	-
-	-	-	-	-	-	-	532,958	532,958	532,958	532,958	-
-	-	-	-	-	-	-	17,169	-	-	-	-
-	-	-	-	-	-	3,651,011	3,651,011	3,632,559	3,547,963	3,547,963	3,473,118
-	-	-	-	-	-	-	23,178,167	22,859,494	22,613,362	22,605,820	21,805,032
-	-	-	-	-	-	16,743	16,743	16,743	5,278	5,278	505
-	-	-	-	-	-	-	3,914,521	3,914,521	3,709,133	3,004,016	962,286
-	-	-	-	-	-	-	302,637	302,637	290,974	246,515	246,515
-	-	-	-	-	-	-	32,880	32,880	32,880	32,880	-
-	-	-	-	-	-	-	247,499	247,499	247,499	247,191	144,522
-	-	-	-	-	-	-	674,564	674,564	633,920	495,212	495,212
-	-	-	-	-	-	-	198,590	191,464	190,816	172,271	165,589
-	-	-	-	-	-	-	2,205,223	2,205,223	2,205,223	2,205,223	2,205,223
-	-	-	-	-	900	900	900	900	900	900	900
-	-	-	-	-	-	51,626	51,626	51,626	51,626	51,626	51,626
-	-	-	-	-	-	-	45	-	-	-	-
-	-	-	-	-	-	-	1,583	-	-	-	-
-	-	-	-	-	-	-	1,431	-	-	-	-
-	-	-	-	-	-	-	1,968	-	-	-	-
-	-	-	-	-	-	-	2,736	-	-	-	-
-	-	-	-	-	-	-	888	-	-	-	-
-	-	-	-	-	-	-	429	-	-	-	-
-	-	-	-	-	-	-	1,126	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	416,174	-	-	-	-
-	-	-	-	-	-	-	3,762,469	2,058,621	2,058,621	2,025,411	1,119,420
-	-	-	-	-	-	-	7	-	-	-	-
-	-	-	-	-	-	-	212	-	-	-	-
-	-	-	-	-	-	-	4,009	-	-	-	-
-	-	-	-	-	-	-	2,653	-	-	-	-
-	-	-	-	-	-	-	3,160	-	-	-	-
-	-	-	-	-	-	-	3,279	-	-	-	-
-	-	-	-	-	-	-	63,912	-	-	-	-
-	-	-	-	-	-	-	240	240	240	240	130
-	-	-	-	-	-	326	326	326	326	326	326

[illegible]





## Supporting Documentation: 2014 LDC Persistence Savings Results from IESO

Legend	User Inputs (Green)
	Instructions (Grey)

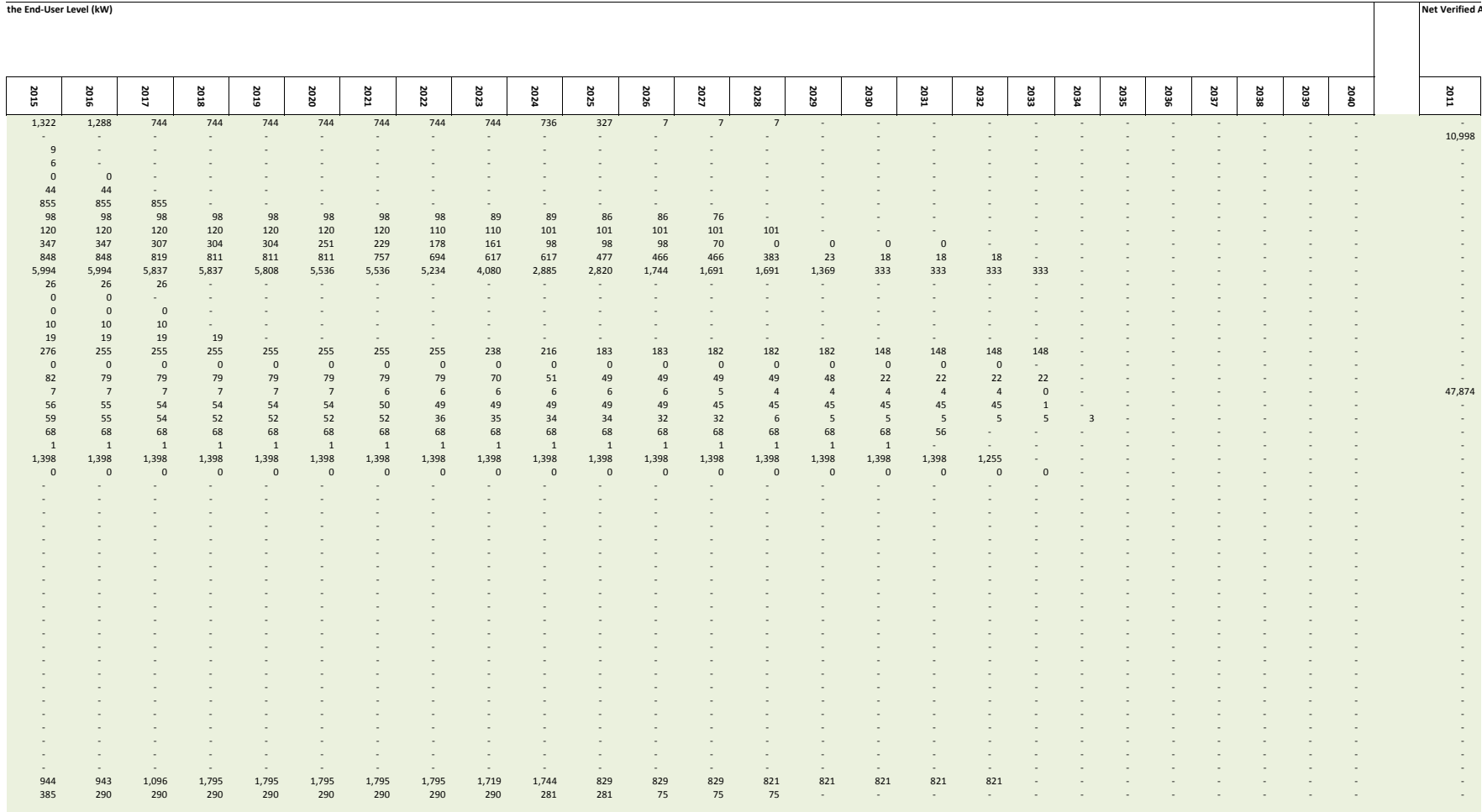
Table 7-d. 2014 Persisting Savings

[Go to Tab 4.](#)

1. LDCs are requested to paste a copy of the 2014 "LDC CDM Program Results Persistence Report" in the space below as it relates to the calculation of LRAMVA.

2. Please ensure that verified adjustments to 2014 programs that become available in future evaluation audits are included in the 2014 form below.

#	Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Tx (Transmission) or Dx (Distribution) Connected	Status	Notes	Activity Unit Name	Activity / Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (kW)	Gross Energy Savings (kWh)	Net Verified Annual Peak Demand Savings at			
															2011	2012	2013	2014
Informational	1 LDC	Business	Direct Install Lighting	Enersource Hydro Mississauga Inc.	Commerec	EE	2014 Dx	n/a		Projects		1468	1,347,731	4,679,900,267	-	-	-	1,348
	2 LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commerec	EE	2011 Dx	n/a		Audit		1	2,221	43,993,462	-	2	2	2
	3 LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commerec	EE	2012 Dx	n/a		Audit		3	8,763	130,189,583	-	9	9	9
	4 LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commerec	EE	2012 Dx	n/a		Audit		1	6,381	94,800,634	-	6	6	6
	5 LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commerec	EE	2013 Dx	n/a		Audit		1	64	706,972	-	-	0	0
	6 LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commerec	EE	2013 Dx	n/a		Audit		5	44,093	484,829,029	-	-	44	44
	7 LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commerec	EE	2014 Dx	n/a		Audit		64	855,484	4,177,508,484	-	-	-	855
	8 LDC	Business	High Performance New Construction	Enersource Hydro Mississauga Inc.	Commerec	EE	2013 Dx	n/a				6	97,608	423,564,471	-	-	98	98
	9 LDC	Business	High Performance New Construction	Enersource Hydro Mississauga Inc.	Commerec	EE	2014 Dx	n/a				7	120,249	204,719,638	-	-	-	120
	10 LDC	Business	Retrofit	Enersource Hydro Mississauga Inc.	Commerec	EE	2012 Dx	n/a		Projects		22	353,640	2,575,756,110	-	354	354	354
	11 LDC	Business	Retrofit	Enersource Hydro Mississauga Inc.	Commerec	EE	2013 Dx	n/a		Projects		94	849,122	18,621,135,580	-	-	852	849
	12 LDC	Business	Retrofit	Enersource Hydro Mississauga Inc.	Commerec	EE	2014 Dx	n/a		Projects		840	6,001,740	41,820,980,760	-	-	-	6,002
	13 LDC	Consumer	Appliance Exchange	Enersource Hydro Mississauga Inc.	Residentia	EE	2014 Dx	n/a		Dehumidifi	Appliance	127	26,314	46,918,865	-	-	-	26
	14 LDC	Consumer	Appliance Retirement	Enersource Hydro Mississauga Inc.	Residentia	EE	2014 Dx	n/a			Appliance	4	467	417,632	-	-	-	0
	15 LDC	Consumer	Appliance Retirement	Enersource Hydro Mississauga Inc.	Residentia	EE	2014 Dx	n/a			Appliance	2	354	631,168	-	-	-	0
	16 LDC	Consumer	Appliance Retirement	Enersource Hydro Mississauga Inc.	Residentia	EE	2014 Dx	n/a			Appliance	146.1571	10,178	73,694,456	-	-	-	10
	17 LDC	Consumer	Appliance Retirement	Enersource Hydro Mississauga Inc.	Residentia	EE	2014 Dx	n/a			Appliance	320.3926	19,221	130,785,970	-	-	-	19
	18 LDC	Consumer	Bi-Annual Retailer Event	Enersource Hydro Mississauga Inc.	Residentia	EE	2014 Dx	n/a		Custom lo measures		189443.2	315,823	4,825,760,377	-	-	-	316
	19 LDC	Consumer	Conservation Instant Coupon Booklet	Enersource Hydro Mississauga Inc.	Residentia	EE	2013 Dx	n/a		Custom lo measures		41.23268	100	926,000	-	-	0	0
	20 LDC	Consumer	Conservation Instant Coupon Booklet	Enersource Hydro Mississauga Inc.	Residentia	EE	2014 Dx	n/a		Custom lo measures		42847.59	86,661	1,166,247,497	-	-	-	87
	21 LDC	Home Assist:	Home Assistance Program	Enersource Hydro Mississauga Inc.	Residentia	EE	2012 Dx	n/a		Homes		30	7,133	94,781,050	-	7	7	7
	22 LDC	Home Assist:	Home Assistance Program	Enersource Hydro Mississauga Inc.	Residentia	EE	2013 Dx	n/a		Homes		219	55,628	532,566,910	-	-	56	56
	23 LDC	Home Assist:	Home Assistance Program	Enersource Hydro Mississauga Inc.	Residentia	EE	2014 Dx	n/a		Homes		1003	59,212	1,444,985,102	-	-	-	59
	24 LDC	Consumer	HVAC Incentives	Enersource Hydro Mississauga Inc.	Residentia	DR	2013 Dx	n/a		Blended L	Equipmen	316	68,383	240,183,246	-	-	68	68
	25 LDC	Consumer	HVAC Incentives	Enersource Hydro Mississauga Inc.	Residentia	EE	2012 Dx	n/a			Equipmen	4	1,138	6,615,089	-	1	1	1
	26 LDC	Consumer	HVAC Incentives	Enersource Hydro Mississauga Inc.	Residentia	EE	2014 Dx	n/a			Equipmen	7039	1,397,824	2,581,152,985	-	-	-	1,398
	27 LDC	Consumer	Residential New Construction	Enersource Hydro Mississauga Inc.	Residentia	EE	2014 Dx	n/a			Homes	2	87	1,304,100	-	-	-	0
	28 LDC	Other	LDC Pilots	Enersource Hydro Mississauga Inc.	Commerec	EE	2014 Dx	n/a			n/a	1	-	-	-	-	-	24
	29 LDC	Other	Time-of-Use Savings	Enersource Hydro Mississauga Inc.	Other	DR	2014 Dx	n/a			n/a	-	3,830,620	-	-	-	-	3,831
	30 non-Tier 1	Business	Commercial Demand Response	Enersource Hydro Mississauga Inc.	Commerec	DR	2007 Dx	n/a			Devices	7	-	-	-	-	-	4
	31 non-Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residentia	DR	2006 Dx	n/a			Devices	111	-	-	-	-	-	57
	32 non-Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residentia	DR	2007 Dx	n/a			Devices	1877	-	-	-	-	-	970
	33 non-Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residentia	DR	2008 Dx	n/a			Devices	1294	-	-	-	-	-	669
	34 non-Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residentia	DR	2009 Dx	n/a			Devices	1381	-	-	-	-	-	714
	35 non-Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residentia	DR	2010 Dx	n/a			Devices	1451	-	-	-	-	-	750
	36 non-Tier 1	Industrial	Demand Response 3	Enersource Hydro Mississauga Inc.	Industrial	DR	2014 Dx	n/a			Facilities	5	-	-	-	-	-	1,226
	37 Tier 1	Business	Demand Response 3	Enersource Hydro Mississauga Inc.	Commerec	DR	2014 Dx	n/a			Facilities	7	-	-	-	-	-	904
	38 Tier 1	Business	Commercial Demand Response	Enersource Hydro Mississauga Inc.	Commerec	DR	2014 Dx	n/a			Devices	432	-	-	-	-	-	243
	39 Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residentia	DR	2006 Dx	n/a			Devices	43	-	-	-	-	-	22
	40 Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residentia	DR	2007 Dx	n/a			Devices	982	-	-	-	-	-	508
	41 Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residentia	DR	2008 Dx	n/a			Devices	836	-	-	-	-	-	432
	42 Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residentia	DR	2009 Dx	n/a			Devices	1221	-	-	-	-	-	631
	43 Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residentia	DR	2010 Dx	n/a			Devices	1603	-	-	-	-	-	828
	44 Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residentia	DR	2011 Dx	n/a			Devices	483	-	-	-	-	-	250
	45 Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residentia	DR	2012 Dx	n/a			Devices	257	-	-	-	-	-	133
	46 Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residentia	DR	2013 Dx	n/a			Devices	6100	-	-	-	-	-	3,153
	47 Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residentia	DR	2014 Dx	n/a			Devices	3209	-	-	-	-	-	1,658
	48 Tier 1	Industrial	Demand Response 3	Enersource Hydro Mississauga Inc.	Industrial	DR	2014 Dx	n/a			Facilities	22	-	-	-	-	-	17,243
	49 Tier 1	Industrial	Energy Managers	Enersource Hydro Mississauga Inc.	Industrial	EE	2012 Dx	n/a				0	-	-	-	-	-	-
	50 Tier 1	Industrial	Energy Managers	Enersource Hydro Mississauga Inc.	Industrial	EE	2013 Dx	n/a				-4	943,574	17,970,586,860	-	-	891	944
	51 Tier 1	Industrial	Energy Managers	Enersource Hydro Mississauga Inc.	Industrial	EE	2014 Dx	n/a				13	477,952	3,893,879,303	-	-	-	478
etc.																		



## Annual Energy Savings at the End-User Level (kWh)

2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
-	-	4,679,900	4,579,621	4,449,982	2,705,295	2,705,295	2,705,295	2,705,295	2,705,295	2,705,295	2,705,295	2,637,606	1,033,658	6,796	6,796	6,796	-
10,998	10,998	10,998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43,397	43,397	43,397	43,397	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31,600	31,600	31,600	31,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	353	353	353	353	-	-	-	-	-	-	-	-	-	-	-	-	-
-	242,415	242,415	242,415	242,415	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	4,177,508	4,177,508	4,177,508	4,177,508	-	-	-	-	-	-	-	-	-	-	-	-
-	211,782	211,782	211,782	211,782	211,782	211,782	211,782	211,782	211,782	211,782	158,838	158,838	136,610	136,610	106,054	-	-
-	-	204,720	204,720	204,720	204,720	204,720	204,720	204,720	204,720	175,530	175,530	116,970	116,970	116,970	116,970	116,970	-
1,134,687	1,134,687	1,134,687	1,111,471	1,111,471	986,593	973,698	973,698	797,460	709,744	512,221	470,708	79,473	79,473	79,473	57,163	1,180	1,180
-	9,316,522	9,304,613	9,301,615	9,301,615	9,199,956	9,143,752	9,143,752	8,876,305	8,522,280	8,112,566	5,054,523	2,836,997	1,913,392	1,872,346	1,872,346	1,523,484	53,188
-	-	41,820,981	41,792,521	41,792,521	41,240,745	41,240,745	41,140,977	39,030,198	39,030,198	37,213,808	27,982,620	18,261,803	17,247,754	10,162,267	9,976,459	9,976,459	7,943,957
-	-	46,919	46,919	46,919	46,919	-	-	-	-	-	-	-	-	-	-	-	-
-	-	418	418	418	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	631	631	631	631	-	-	-	-	-	-	-	-	-	-	-	-
-	-	73,694	73,694	73,694	73,694	-	-	-	-	-	-	-	-	-	-	-	-
-	-	130,786	130,786	130,786	130,786	130,786	-	-	-	-	-	-	-	-	-	-	-
-	-	4,825,760	4,186,296	3,853,043	3,853,043	3,853,043	3,853,043	3,853,043	3,851,374	3,851,374	3,581,992	3,482,378	2,944,728	2,944,728	2,902,560	2,902,560	2,898,456
-	926	926	880	761	761	761	761	761	639	639	607	607	607	607	607	607	320
-	-	1,166,247	1,089,769	1,052,672	1,052,672	1,052,672	1,052,672	1,052,672	1,050,742	1,050,742	906,024	819,145	774,664	774,664	770,031	770,031	768,932
47,874	47,874	47,412	47,370	44,621	41,395	40,188	38,778	38,186	22,660	22,660	22,580	22,580	21,646	21,646	12,871	12,601	12,601
-	273,584	266,606	265,961	249,158	243,290	237,427	234,199	232,774	154,230	153,858	151,254	151,254	149,516	149,516	117,512	116,752	116,752
-	-	724,043	720,942	644,369	618,486	589,778	589,778	583,221	580,458	265,860	265,372	256,270	256,270	249,561	249,561	31,976	28,288
-	120,092	120,092	120,092	120,092	120,092	120,092	120,092	120,092	120,092	120,092	120,092	120,092	120,092	120,092	120,092	120,092	120,092
2,205	2,205	2,205	2,205	2,205	2,205	2,205	2,205	2,205	2,205	2,205	2,205	2,205	2,205	2,205	2,205	2,205	2,205
-	-	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153
-	-	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304
-	-	184,241	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	244	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	186	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	647	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	8,343,933	9,626,653	9,626,653	9,624,763	10,523,554	11,599,054	11,599,054	11,599,054	11,590,954	11,590,954	10,995,300	11,021,220	1,666,620	1,666,620	1,666,620	1,521,900	1,521,900
-	-	3,893,879	2,676,503	2,372,464	2,372,464	2,372,464	2,372,464	2,372,464	2,372,464	2,372,464	2,372,464	2,130,970	2,130,970	325,728	325,728	325,728	-







## Ontario Energy Board

### Legend

User Inputs (Green)

Instructions (Grey)

**Table 7-e. 2015 Persisting Savings**

[Go to Tab 5.](#)

1. LDCs are requested to paste a copy of the 2015 "LDC CDM Program Results Persistence Report" in the space below as it relates to the calculation of LRAMVA.
2. Please ensure that verified adjustments to 2015 programs that become available in future evaluation audits are included in the 2015 form below.

#	Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year
1		Coupon Initiative					
2		Bi-Annual Retailer Event Initiative					
3		Appliance Retirement Initiative					
4		HVAC Incentives Initiative					
5		Residential New Construction and Major Renovation Initiative					
6		Energy Audit Initiative					
7		Efficiency: Equipment Replacement Incentive Initiative					
8		Direct Install Lighting and Water Heating Initiative					
9		New Construction and Major Renovation Initiative					
10		Existing Building Commissioning Incentive Initiative					
11		Process and Systems Upgrades Initiatives - Project Incentive Initiative					
12		Process and Systems Upgrades Initiatives - Energy Manager Initiative					
13		Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative					
14		Low Income Initiative					
15		Loblaws Pilot					
16		Social Benchmarking Pilot					
17		Conservation Fund Pilot - SEG					
etc.							

## Supporting Documentation: 2015 LDC Persistence Savings Results from IESO

Tx (Transmission) or Dx (Distribution) Connected	Status	Notes	Activity Unit Name	Activity / Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (kW)	Gross Energy Savings (kWh)	Net Verified Annual Peak Demand Savings at the End-User Level (kW)								
							2011	2012	2013	2014	2015	2016	2017	2018	2019
											141	140	140	140	140
											248	244	244	244	244
											9	9	9	9	5
											1,355	1,355	1,355	1,355	1,355
											-	-	-	-	-
											762	762	762	762	-
											6,865	6,865	6,775	6,775	6,775
											810	778	441	441	441
											305	305	305	305	305
											-	-	-	-	-
											-	-	-	-	-
											1,232	1,146	1,146	1,146	1,127
											-	-	-	-	-
											30	26	26	25	25
											14	14	14	14	14
											-	-	-	-	-
											499	-	-	-	-



2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
140	140	140	140	140	124	124	124	124	124	124	46	46	46	46	-	-
244	244	244	244	244	206	195	195	194	194	194	72	72	72	72	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,355	1,355	1,355	1,355	1,355	1,355	1,355	1,355	1,355	1,355	1,355	1,355	1,355	1,229	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6,715	6,396	6,396	6,101	5,063	2,324	2,148	1,246	1,244	1,244	939	327	327	327	327	-	-
441	441	441	441	441	433	193	-	-	-	-	-	-	-	-	-	-
305	305	305	305	305	305	305	305	305	246	5	5	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,127	1,107	1,089	1,089	342	324	35	23	23	23	23	23	23	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	25	25	19	19	19	19	18	18	2	2	2	2	2	2	1	-
14	14	14	14	14	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

				Net Verified Annual Energy Savings at the End-User Level (kWh)									
2037	2038	2039	2040	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
-	-	-	-					2,173,737	2,154,375	2,154,375	2,154,375	2,154,375	2,154,375
-	-	-	-					3,679,485	3,614,091	3,614,091	3,614,091	3,614,091	3,614,091
-	-	-	-					60,261	60,261	60,261	60,261	37,035	-
-	-	-	-					2,584,003	2,584,003	2,584,003	2,584,003	2,584,003	2,584,003
-	-	-	-					-	-	-	-	-	-
-	-	-	-					3,573,385	3,573,385	3,573,385	3,573,385	-	-
-	-	-	-					45,320,196	45,320,196	45,034,080	45,032,593	45,032,593	44,840,465
-	-	-	-					3,360,796	3,220,399	1,926,026	1,925,910	1,925,910	1,925,910
-	-	-	-					931,231	931,231	931,231	931,231	931,231	931,231
-	-	-	-					-	-	-	-	-	-
-	-	-	-					-	-	-	-	-	-
-	-	-	-					4,040,545	3,202,504	3,202,504	3,202,504	3,095,771	3,095,771
-	-	-	-					-	-	-	-	-	-
-	-	-	-					343,883	274,624	264,686	254,747	253,557	253,557
-	-	-	-					183,513	183,513	183,513	183,513	183,513	183,513
-	-	-	-					-	-	-	-	-	-
-	-	-	-					6,899,972	-	-	-	-	-

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
2,154,375	2,153,946	2,153,946	2,153,946	1,988,960	1,982,034	1,982,034	1,974,981	1,974,981	1,974,178	740,712
3,614,091	3,612,200	3,612,200	3,612,200	3,330,966	3,159,456	3,159,456	3,091,498	3,091,498	3,084,291	1,142,616
-	-	-	-	-	-	-	-	-	-	-
2,584,003	2,584,003	2,584,003	2,584,003	2,584,003	2,584,003	2,584,003	2,584,003	2,584,003	2,584,003	2,584,003
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
42,808,250	42,808,250	41,594,868	34,763,280	16,782,984	15,335,854	8,714,664	8,708,922	8,708,922	6,135,314	855,240
1,925,910	1,925,910	1,925,910	1,925,910	1,847,860	754,172	-	-	-	-	-
931,231	931,231	930,086	930,086	930,086	930,086	930,086	930,086	601,904	33,362	32,934
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
3,013,834	2,972,509	2,972,509	1,392,934	1,330,725	475,013	58,425	58,425	58,425	58,425	58,425
-	-	-	-	-	-	-	-	-	-	-
249,106	248,306	141,134	140,918	139,103	139,103	136,443	136,443	7,880	7,612	7,612
183,513	183,513	183,513	183,513	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

2032	2033	2034	2035	2036	2037	2038	2039	2040
740,712	740,712	740,712	-	-	-	-	-	-
1,142,616	1,142,616	1,142,616	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
2,584,003	2,471,373	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
855,240	855,240	855,240	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
58,425	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
7,612	7,612	7,612	5,465	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

**Peak Demand Savings attributed to LED Street Lighting Project**

		kW prior LED SL Project		SL billed
Month	Billed kW	Net kW reduction		
	Jan-13	9,558.21		
	Feb-13	8,637.09		
	Mar-13	9,498.45		
	Apr-13	9,055.49		
	May-13	9,232.32		
	Jun-13	8,854.64		
	Jul-13	9,023.52		
	Aug-13	9,023.37		
	Sep-13	8,436.45		
	Oct-13	8,569.78		
	Nov-13	8,136.28		
	Dec-13	8,209.35		
<b>2013 total</b>	<b>106,234.94</b>	<b>110,890</b>	<b>4,655.06</b>	
	Jan-14	8,064.60		
	Feb-14	7,260.75		
	Mar-14	7,933.86		
	Apr-14	7,554.13		
	May-14	7,707.10		
	Jun-14	7,460.76		
	Jul-14	7,668.58		
	Aug-14	7,525.58		
	Sep-14	7,223.15		
	Oct-14	7,522.82		
	Nov-14	6,993.34		
	Dec-14	7,330.59		
<b>2014 total</b>	<b>90,245.24</b>	<b>110,890</b>	<b>20,644.76</b>	
	Jan-15	7,423.43		
	Feb-15	6,786.78		
	Mar-15	6,968.40		
	Apr-15	6,938.28		
	May-15	7,193.04		
	Jun-15	7,020.96		
	Jul-15	7,352.64		
	Aug-15	4,871.00		
	Sep-15	4,183.96		
	Oct-15	4,362.27		
	Nov-15	4,277.37		
	Dec-15	4,490.52		
<b>2015 total</b>	<b>71,868.66</b>	<b>110,890</b>	<b>39,021.34</b>	

**ATTACHMENT 43 – 2011-2014 FINAL IESO RESULTS REPORT ENERSOURCE RZ**





saveONenergy™

### Message from the Vice President:

The IESO is pleased to provide the enclosed 2011-2014 Final Results Report. This report is designed to help populate LDC Annual Reports that will be submitted to the Ontario Energy Board (OEB) in September 2015.

### 2011-2014 Conservation Framework Highlights:

- LDCs have made significant achievements against dual energy and peak demand savings targets. Collectively, the LDCs have achieved 109% of the energy target and 70% of the peak demand target.
- Momentum has built as we transition to the Conservation First Framework. 2014 demonstrated an achievement of over 1 TWh of net incremental energy savings, positioning us well for average net incremental energy savings of 1.2 TWh required in the new framework to meet our 2020 CDM targets.
- Throughout the past framework, program results have become more predictable year over year as noted in the increasingly smaller variance between quarterly preliminary results and verified final results.
- Customer engagement continued to increase in both the Consumer and Business Programs. Between 2011 - 2014 consumers have purchased over 10 million energy efficient products through the saveONenergy COUPONS program. Customers in RETROFIT continue to declare a positive experience participating in the program with 86% likely to recommend.
- saveONenergy has seen a steady and significant increase in unaided brand awareness by 33% from 2011-2014
- Conservation is becoming even more cost-effective as programs become more efficient and effective. 2014 proved early investments in long lead time projects will pay off with the high savings now being realized in programs like PROCESS & SYSTEMS and RETROFIT. Within 4 cents per kWh, Conservation programs continue to be a valuable and cost effective resource for customers across the province.

The 2011-2014 Final Results within this report vary from the Draft 2011-2014 Final Results Report for the following reasons:

- Savings from Time of Use pricing are included in the Final Results Report. Overall the province saved 55 MWs from Time-of-Use pricing in 2014, or 0.73% of residential summer peak demand.
- Between August 4th and August 28th, the IESO and LDCs have worked collaboratively to reconcile projects from 2011-2014 Final Results Report to ensure every eligible project was captured and accurately reported.
- Verified savings from Innovation Fund pilots are also included for participating LDCs.

All results will be considered final for the 2011-2014 Conservation Framework. Any additional program activity not captured in the 2011-2014 Final Results Report will not be included as part of a future adjustment process.

Please continue to monitor saveONenergy E-blasts for future updates and should you have any other questions or comments please contact [LDC.Support@ieso.ca](mailto:LDC.Support@ieso.ca).

We appreciate your collaboration and cooperation throughout the reporting and evaluation process and we look forward to the success ahead in the Conservation First Framework.

Sincerely,

Terry Young

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

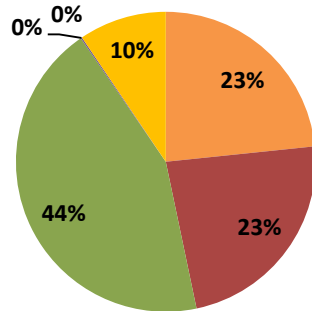
**LDC:** Enersource Hydro Mississauga Inc.

Final 2014 Achievement Against Targets	2014 Incremental	2011-2014 Achievement Against Target	% of Target Achieved
<b>Net Annual Peak Demand Savings (MW)</b>	43.0	69.4	<b>74.6%</b>
<b>Net Energy Savings (GWh)</b>	85.6	464.3	<b>111.3%</b>

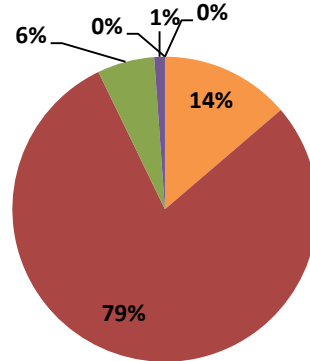
*Unless otherwise noted, results are presented using scenario 1 which assumes that demand response resources have a persistence of 1 year*

### Achievement by Sector

**2014 Incremental Peak Demand Savings (MW)**



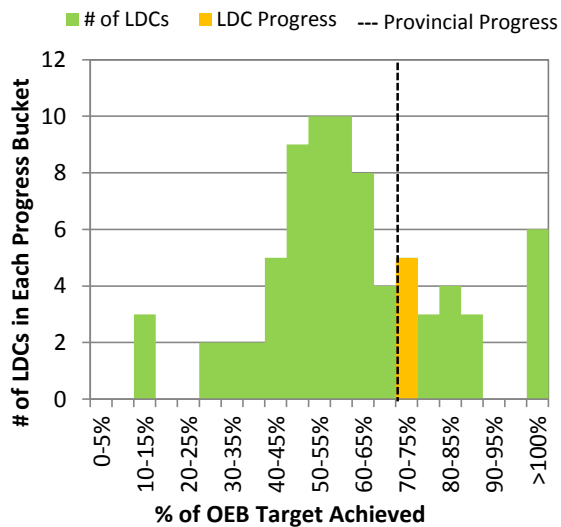
**2014 Incremental Energy Savings (GWh)**



Consumer Business Industrial HAP ACP Other

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

**% of OEB Peak Demand Savings Target Achieved**



**% of OEB Energy Savings Target Achieved**

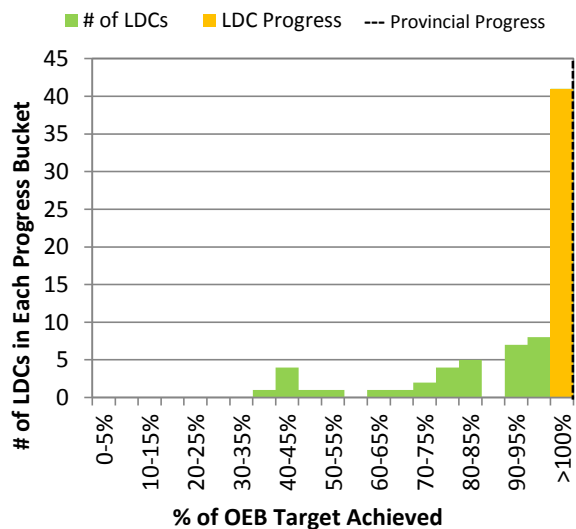


Table 1: Enersource Hydro Mississauga Inc. Initiative and Program Level Net Savings by Year

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011*	2012*	2013*	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
Consumer Program															
Appliance Retirement	Appliances	2,062	1,075	576	473	110	59	37	30	812,064	430,436	247,739	205,529	235	5,239,860
Appliance Exchange	Appliances	98	118	89	127	10	17	18	26	11,343	30,332	32,880	46,919	65	243,121
HVAC Incentives	Equipment	6,055	5,784	6,490	7,039	1,995	1,202	1,289	1,398	3,614,070	2,016,291	2,205,223	2,581,153	5,884	27,496,749
Conservation Instant Coupon Booklet	Items	20,708	1,213	13,662	42,848	47	9	20	87	763,430	54,900	302,637	1,166,247	163	4,989,943
Bi-Annual Retailer Event	Items	37,386	41,656	37,096	189,443	66	58	46	316	1,153,895	1,051,579	674,564	4,825,760	486	13,945,205
Retailer Co-op	Items	5	0	0	0	0	0	0	0	87	0	0	0	0	349
Residential Demand Response	Devices	533	2,742	11,098	14,734	298	1,262	6,291	7,615	773	10,075	10,205	1,247	7,615	22,300
Residential Demand Response (IHD)	Devices	0	587	10,425	14,298	0	0	0	0	0	0	0	0	0	0
Residential New Construction	Homes	0	0	0	2	0	0	0	0	0	0	0	1,304	0	1,304
Consumer Program Total						2,526	2,608	7,701	9,472	6,355,663	3,593,614	3,473,248	8,828,160	14,449	51,938,830
Business Program															
Retrofit	Projects	240	421	641	840	2,236	4,531	4,348	6,002	12,075,272	24,392,637	23,178,167	41,820,981	16,948	208,972,947
Direct Install Lighting	Projects	3,450	1,558	1,248	1,468	3,359	1,340	1,193	1,348	8,483,296	4,890,220	3,914,521	4,679,900	6,723	59,292,864
Building Commissioning	Buildings	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Construction	Buildings	0	1	6	7	0	97	0	120	0	247,001	0	204,720	217	945,723
Energy Audit	Audits	9	48	16	64	0	192	97	855	0	931,521	532,958	4,177,508	1,144	8,037,990
Small Commercial Demand Response	Devices	0	0	0	432	0	0	0	243	0	0	0	0	243	0
Small Commercial Demand Response (IHD)	Devices	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand Response 3	Facilities	10	12	7	7	1,800	2,171	1,079	904	70,271	31,557	17,169	0	904	118,997
Business Program Total						7,395	8,331	6,717	9,471	20,628,839	30,492,936	27,642,815	50,883,109	26,178	277,368,520
Industrial Program															
Process & System Upgrades	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring & Targeting	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Manager	Projects	0	1	16	13	0	3	974	478	0	17,296	3,762,469	3,893,879	1,368	9,766,856
Retrofit	Projects	32	0	0	0	422	0	0	0	1,994,497	0	0	0	422	7,977,989
Demand Response 3	Facilities	8	10	18	22	3,236	3,670	17,139	17,243	189,961	88,449	416,174	0	17,243	694,584
Industrial Program Total						3,658	3,673	18,113	17,721	2,184,459	105,744	4,178,643	3,893,879	19,033	18,439,429
Home Assistance Program															
Home Assistance Program	Homes	0	276	459	1,003	0	40	20	59	0	261,837	198,590	724,043	118	1,899,607
Home Assistance Program Total						0	40	20	59	0	261,837	198,590	724,043	118	1,899,607
Aboriginal Program															
Home Assistance Program	Homes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Direct Install Lighting	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aboriginal Program Total						0	0	0	0	0	0	0	0	0	0
Pre-2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	185	0	0	0	2,148	0	0	0	12,349,671	0	0	0	2,148	49,398,684
High Performance New Construction	Projects	5	5	0	0	161	189	0	0	828,974	418,130	0	0	350	4,570,284
Toronto Comprehensive	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Multifamily Energy Efficiency Rebates	Projects	2	0	0	0	0	0	0	0	314	0	0	0	0	1,258
LDC Custom Programs	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pre-2011 Programs completed in 2011 Total						2,309	189	0	0	13,178,959	418,130	0	0	2,498	53,970,226
Other															
Program Enabled Savings	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Time-of-Use Savings	Homes	0	0	0	n/a	0	0	0	3,831	0	0	0	0	3,831	0
LDC Pilots	Projects	0	0	0	1	0	0	0	24	0	0	0	184,241	24	184,241
Other Total						0	0	0	3,831	0	0	0	0	3,831	0
Adjustments to 2011 Verified Results															
Adjustments to 2012 Verified Results															
Adjustments to 2013 Verified Results															
Energy Efficiency Total						10,554	7,736	8,043	14,574	42,086,913	34,742,180	35,049,747	64,512,186	40,127	402,964,972
Demand Response Total (Scenario 1)						5,335	7,104	24,508	26,005	261,006	130,081	443,548	1,247	26,005	835,881
Adjustments to Previous Years' Verified Results Total						0	331	497	2,438	0	1,650,430	3,947,192	21,043,739	3,250	60,510,019
OPA-Contracted LDC Portfolio Total (inc. Adjustments)						15,889	15,171	33,048	43,017	42,347,919	36,522,691	39,440,488	85,557,172	69,382	464,310,872
Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).														Full OEB Target:	
Results presented using scenario 1 which assumes that demand response resources have a persistence of 1 year.														% of Full OEB Target Achieved to Date (Scenario 1):	
														92,980	417,220,000
														74.6%	111.3%

Table 2: Adjustments to Enersource Hydro Mississauga Inc. Net Verified Results due to Variances

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011*	2012*	2013*	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
														2014	2014
Consumer Program															
Appliance Retirement	Appliances	0	0	0		0	0	0		0	0	0		0	0
Appliance Exchange	Appliances	0	0	0		0	0	0		0	0	0		0	0
HVAC Incentives	Equipment	-1,206	145	316		-327	28	68		-592,333	54,157	120,092		-231	-1,966,677
Conservation Instant Coupon Booklet	Items	323	0	41		1	0	0		10,824	0	926		1	45,146
Bi-Annual Retailer Event	Items	3,213	0	0		4	0	0		85,731	0	0		4	342,922
Retailer Co-op	Items	0	0	0		0	0	0		0	0	0		0	0
Residential Demand Response	Devices	0	0	0		0	0	0		0	0	0		0	0
Residential Demand Response (IHD)	Devices	0	0	0		0	0	0		0	0	0		0	0
Residential New Construction	Homes	0	0	0		0	0	0		0	0	0		0	0
Consumer Program Total						-322	28	68		-495,779	54,157	121,018		-226	-1,578,609
Business Program															
Retrofit	Projects	42	62	94		464	772	852		1,702,657	4,785,698	9,316,522		2,079	39,770,403
Direct Install Lighting	Projects	43	2	0		53	4	0		124,183	16,743	0		49	525,371
Building Commissioning	Buildings	0	0	0		0	0	0		0	0	0		0	0
New Construction	Buildings	0	0	6		0	0	98		0	0	211,782		98	423,564
Energy Audit	Audits	9	11	5		49	62	44		237,585	301,583	242,768		155	2,340,624
Small Commercial Demand Response	Devices	0	0	0		0	0	0		0	0	0		0	0
Small Commercial Demand Response (IHD)	Devices	0	0	0		0	0	0		0	0	0		0	0
Demand Response 3	Facilities	0	0	0		0	0	0		0	0	0		0	0
Business Program Total						566	838	994		2,064,425	5,104,023	9,771,072		2,380	43,059,962
Industrial Program															
Process & System Upgrades	Projects	0	0	0		0	0	0		0	0	0		0	0
Monitoring & Targeting	Projects	0	0	0		0	0	0		0	0	0		0	0
Energy Manager	Projects	0	0	-4		0	0	891		0	0	8,343,933		944	17,970,587
Retrofit	Projects	0	0	0		0	0	0		0	0	0		0	0
Demand Response 3	Facilities	0	0	0		0	0	0		0	0	0		0	0
Industrial Program Total						0	0	891		0	0	8,343,933		944	17,970,587
Home Assistance Program															
Home Assistance Program	Homes	0	30	219		0	7	56		0	47,874	273,584		63	683,348
Home Assistance Program Total						0	7	56		0	47,874	273,584		63	683,348
Aboriginal Program															
Home Assistance Program	Homes	0	0	0		0	0	0		0	0	0		0	0
Direct Install Lighting	Projects	0	0	0		0	0	0		0	0	0		0	0
Aboriginal Program Total						0	0	0		0	0	0		0	0
Pre-2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	0	0	0		0	0	0		0	0	0		0	0
High Performance New Construction	Projects	1	0	0		90	0	0		93,683	0	0		90	374,730
Toronto Comprehensive	Projects	0	0	0		0	0	0		0	0	0		0	0
Multifamily Energy Efficiency Rebates	Projects	0	0	0		0	0	0		0	0	0		0	0
LDC Custom Programs	Projects	0	0	0		0	0	0		0	0	0		0	0
Pre-2011 Programs completed in 2011 Total						90	0	0		93,683	0	0		90	374,730
Other															
Program Enabled Savings	Projects	0	0	0		0	0	0		0	0	0		0	0
Time-of-Use Savings	Homes	0	0	0		0	0	0		0	0	0		0	0
LDC Pilots	Projects	0	0	0		0	0	0		0	0	0		0	0
Other Total						0	0	0		0	0	0		0	0
Adjustments to 2011 Verified Results						333				1,662,328				324	6,627,722
Adjustments to 2012 Verified Results							873				5,206,054			867	15,599,249
Adjustments to 2013 Verified Results								2,010				18,509,607		2,059	38,283,048
Total Adjustments to Previous Years' Verified Results						333	873	2,010		1,662,328	5,206,054	18,509,607		3,250	60,510,019

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

Adjustments to previous years' results shown in this table will not align to adjustments shown in Table 1 as the information presented above is presented in the implementation year. Adjustments in Table 1 reflect persisted savings in the year in which that adjustment is verified.

Table 3: Enersource Hydro Mississauga Inc. Realization Rate &amp; 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
<b>Consumer Program</b>																
Appliance Retirement	1.00	1.00	n/a	n/a	0.50	0.47	0.42	0.42	1.00	1.00	n/a	n/a	0.50	0.47	0.44	0.44
Appliance Exchange	1.00	1.00	1.00	1.00	0.52	0.52	0.53	0.53	1.00	1.00	1.00	1.00	0.52	0.52	0.53	0.53
HVAC Incentives	1.00	1.00	n/a	1.00	0.61	0.50	0.48	0.51	1.00	1.00	n/a	1.00	0.60	0.49	0.48	0.51
Conservation Instant Coupon Booklet	1.00	1.00	1.00	1.00	1.14	1.00	1.11	1.66	1.00	1.00	1.00	1.00	1.11	1.05	1.13	1.69
Bi-Annual Retailer Event	1.00	1.00	1.00	1.00	1.13	0.91	1.04	1.74	1.00	1.00	1.00	1.00	1.10	0.92	1.04	1.75
Retailer Co-op	1.00	n/a	n/a	n/a	0.68	n/a	n/a	n/a	1.00	n/a	n/a	n/a	0.68	n/a	n/a	n/a
Residential Demand Response	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Residential Demand Response (IHD)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Residential New Construction	n/a	n/a	n/a	1.54	n/a	n/a	n/a	0.63	n/a	n/a	n/a	0.72	n/a	n/a	n/a	0.63
<b>Business Program</b>																
Retrofit	0.93	0.91	0.93	0.86	0.72	0.76	0.76	0.72	1.14	1.05	1.05	1.00	0.75	0.77	0.75	0.72
Direct Install Lighting	1.08	0.69	0.82	0.78	0.93	0.94	0.94	0.94	0.90	0.85	0.84	0.83	0.93	0.94	0.94	0.94
Building Commissioning	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
New Construction	n/a	1.00	n/a	0.84	n/a	0.49	n/a	0.54	n/a	1.00	n/a	0.92	n/a	0.49	n/a	0.54
Energy Audit	n/a	n/a	1.02	0.96	n/a	n/a	0.66	0.68	n/a	n/a	0.97	1.00	n/a	n/a	0.66	0.67
Small Commercial Demand Response	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Small Commercial Demand Response (IHD)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Demand Response 3	0.76	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Industrial Program</b>																
Process & System Upgrades	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Monitoring & Targeting	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Energy Manager	n/a	0.77	0.90	0.91	n/a	0.90	0.90	0.90	n/a	0.77	0.90	0.96	n/a	0.90	0.90	0.90
Retrofit																
Demand Response 3	0.84	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Home Assistance Program</b>																
Home Assistance Program	n/a	0.12	0.98	0.91	n/a	1.00	1.00	1.00	n/a	1.00	0.90	0.85	n/a	1.00	1.00	1.00
<b>Aboriginal Program</b>																
Home Assistance Program	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Direct Install Lighting	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Pre-2011 Programs completed in 2011</b>																
Electricity Retrofit Incentive Program	0.78	n/a	n/a	n/a	0.53	n/a	n/a	n/a	0.79	n/a	n/a	n/a	0.53	n/a	n/a	n/a
High Performance New Construction	1.00	1.00	1.00	1.00	0.50	0.50	0.50	0.50	1.00	1.00	1.00	1.00	0.50	0.50	0.50	0.50
Toronto Comprehensive	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Multifamily Energy Efficiency Rebates	0.96	n/a	n/a	n/a	0.68	n/a	n/a	n/a	0.96	n/a	n/a	n/a	0.68	n/a	n/a	n/a
LDC Custom Programs	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Other</b>																
Program Enabled Savings	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Time-of-Use Savings	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LDC Pilots	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

## Summary Achievement Against CDM Targets

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

**Table 4: Net Peak Demand Savings at the End User Level (MW) (Scenario 1)**

Implementation Period	Annual			
	2011	2012	2013	2014
2011 - Verified	15.9	10.6	10.5	10.1
2012 - Verified†	0.3	15.2	8.0	7.9
2013 - Verified†	0.0	0.5	33.0	8.4
2014 - Verified†	0.0	0.4	2.4	43.0
Verified Net Annual Peak Demand Savings Persisting in 2014:				69.4
Enersource Hydro Mississauga Inc. 2014 Annual CDM Capacity Target:				93.0
Verified Portion of Peak Demand Savings Target Achieved in 2014 (%):				74.6%

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

Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
2011 - Verified	42.3	42.1	41.8	40.7	167.0
2012 - Verified†	1.7	36.5	36.3	35.9	110.4
2013 - Verified†	0.0	3.9	39.4	36.9	80.3
2014 - Verified†	0.0	1.3	19.78	85.6	106.6
Verified Net Cumulative Energy Savings 2011-2014:					464.3
Enersource Hydro Mississauga Inc. 2011-2014 Annual CDM Energy Target:					417.2
Verified Portion of Cumulative Energy Target Achieved in 2014 (%):					111.3%

†Includes adjustments to previous years' verified results

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

Table 6: Province-Wide Initiatives and Program Level Net Savings by Year (Scenario 1)

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011*	2012*	2013*	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
														2014	2014
<b>Consumer Program</b>															
Appliance Retirement	Appliances	56,110	34,146	20,952	22,563	3,299	2,011	1,433	1,617	23,005,812	13,424,518	8,713,107	9,497,343	8,221	159,100,415
Appliance Exchange	Appliances	3,688	3,836	5,337	5,685	371	556	1,106	1,178	450,187	974,621	1,971,701	2,100,266	2,973	10,556,192
HVAC Incentives	Equipment	92,748	87,540	96,286	113,002	32,037	19,060	19,552	23,106	59,437,670	32,841,283	33,923,592	42,888,217	93,755	447,009,930
Conservation Instant Coupon Booklet	Items	567,678	30,891	347,946	1,208,108	1,344	230	517	2,440	21,211,537	1,398,202	7,707,573	32,802,537	4,531	137,258,436
Bi-Annual Retailer Event	Items	952,149	1,060,901	944,772	4,824,751	1,681	1,480	1,184	8,043	29,387,468	26,781,674	17,179,841	122,902,769	12,389	355,157,348
Retailer Co-op	Items	152	0	0	0	0	0	0	0	2,652	0	0	0	0	10,607
Residential Demand Response	Devices	19,550	98,388	171,733	241,381	10,947	49,038	93,076	117,513	24,870	359,408	390,303	8,379	117,513	782,960
Residential Demand Response (IHD)	Devices	0	49,689	133,657	188,577	0	0	0	0	0	0	0	0	0	0
Residential New Construction	Homes	27	21	279	2,367	0	2	18	369	743	17,152	163,690	2,330,865	390	2,712,676
<b>Consumer Program Total</b>						<b>49,681</b>	<b>72,377</b>	<b>116,886</b>	<b>154,267</b>	<b>133,520,941</b>	<b>75,796,859</b>	<b>70,049,807</b>	<b>212,530,376</b>	<b>239,772</b>	<b>1,112,588,565</b>
<b>Business Program</b>															
Retrofit	Projects	2,828	6,481	9,746	10,925	24,467	61,147	59,678	70,662	136,002,258	314,922,468	345,346,008	462,903,521	213,493	2,631,401,223
Direct Install Lighting	Projects	20,741	18,691	17,833	23,784	23,724	15,284	18,708	23,419	61,076,701	57,345,798	64,315,558	84,503,302	73,304	604,196,658
Buildings Commissioning	Buildings	0	0	0	5	0	0	0	988	0	0	0	1,513,377	988	1,513,377
New Construction	Buildings	25	98	158	226	123	764	1,584	6,432	411,717	1,814,721	4,959,266	20,381,204	8,904	37,390,767
Energy Audit	Audits	222	357	589	473	0	1,450	2,811	6,323	0	7,049,351	15,455,795	30,874,399	10,583	82,934,042
Small Commercial Demand Response	Devices	132	294	1,211	3,652	84	187	773	2,116	157	1,068	373	319	2,116	1,916
Small Commercial Demand Response (IHD)	Devices	0	0	378	820	0	0	0	0	0	0	0	0	0	0
Demand Response 3	Facilities	145	151	175	180	16,218	19,389	23,706	23,380	633,421	281,823	346,659	0	23,380	1,261,903
<b>Business Program Total</b>						<b>64,617</b>	<b>98,221</b>	<b>107,261</b>	<b>133,319</b>	<b>198,124,253</b>	<b>381,415,230</b>	<b>430,423,659</b>	<b>600,176,121</b>	<b>332,769</b>	<b>3,358,699,887</b>
<b>Industrial Program</b>															
Process & System Upgrades	Projects	0	0	5	10	0	0	294	9,692	0	0	2,603,764	72,053,255	9,986	77,260,782
Monitoring & Targeting	Projects	0	1	3	5	0	0	0	102	0	0	0	502,517	102	502,517
Energy Manager	Projects	1	132	306	379	0	1,086	3,558	5,191	0	7,372,108	21,994,263	40,436,427	8,384	95,324,998
Retrofit	Projects	433	0	0	0	4,615	0	0	0	28,866,840	0	0	0	4,613	115,462,282
Demand Response 3	Facilities	124	185	281	336	52,484	74,056	162,543	166,082	3,080,737	1,784,712	4,309,160	0	166,082	9,174,609
<b>Industrial Program Total</b>						<b>57,098</b>	<b>75,141</b>	<b>166,395</b>	<b>181,066</b>	<b>31,947,577</b>	<b>9,156,820</b>	<b>28,907,187</b>	<b>112,992,199</b>	<b>189,168</b>	<b>297,725,188</b>
<b>Home Assistance Program</b>															
Home Assistance Program	Homes	46	5,920	29,654	25,424	2	566	2,361	2,466	39,283	5,442,232	20,987,275	19,582,658	5,370	77,532,571
<b>Home Assistance Program Total</b>						<b>2</b>	<b>566</b>	<b>2,361</b>	<b>2,466</b>	<b>39,283</b>	<b>5,442,232</b>	<b>20,987,275</b>	<b>19,582,658</b>	<b>5,370</b>	<b>77,532,571</b>
<b>Aboriginal Program</b>															
Home Assistance Program	Homes	0	0	717	1,125	0	0	267	549	0	0	1,609,393	3,101,207	816	6,319,993
Direct Install Lighting	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Aboriginal Program Total</b>						<b>0</b>	<b>0</b>	<b>267</b>	<b>549</b>	<b>0</b>	<b>0</b>	<b>1,609,393</b>	<b>3,101,207</b>	<b>816</b>	<b>6,319,993</b>
<b>Pre-2011 Programs completed in 2011</b>															
Electricity Retrofit Incentive Program	Projects	2,028	0	0	0	21,662	0	0	0	121,138,219	0	0	0	21,662	484,552,876
High Performance New Construction	Projects	182	73	19	3	5,098	3,251	772	134	26,185,591	11,901,944	3,522,240	688,738	9,255	148,181,415
Toronto Comprehensive	Projects	577	15	4	5	15,805	0	0	281	86,964,886	0	0	2,479,840	16,086	350,339,385
Multifamily Energy Efficiency Rebates	Projects	110	0	0	0	1,981	0	0	0	7,595,683	0	0	0	1,981	30,382,733
LDC Custom Programs	Projects	8	0	0	0	399	0	0	0	1,367,170	0	0	0	399	5,468,679
<b>Pre-2011 Programs completed in 2011 Total</b>						<b>44,945</b>	<b>3,251</b>	<b>772</b>	<b>415</b>	<b>243,251,550</b>	<b>11,901,944</b>	<b>3,522,240</b>	<b>3,168,578</b>	<b>49,382</b>	<b>1,018,925,088</b>
<b>Other</b>															
Program Enabled Savings	Projects	33	71	46	43	0	2,304	3,692	5,500	0	1,188,362	4,075,382	19,035,337	11,496	30,751,187
Time-of-Use Savings	Homes	0	0	0	n/a	0	0	0	54,795	0	0	0	0	54,795	0
LDC Pilots	Projects	0	0	0	1,174	0	0	0	1,170	0	0	0	5,061,522	1,170	5,061,522
<b>Other Total</b>						<b>0</b>	<b>2,304</b>	<b>3,692</b>	<b>61,466</b>	<b>0</b>	<b>1,188,362</b>	<b>4,075,382</b>	<b>24,096,859</b>	<b>67,462</b>	<b>35,812,709</b>
<b>Adjustments to 2011 Verified Results</b>															
							1,406	641	1,418		18,689,081	1,736,381	7,319,857	3,215	110,143,550
<b>Adjustments to 2012 Verified Results</b>								6,260	9,221			41,947,840	37,080,215	15,401	238,780,637
<b>Adjustments to 2013 Verified Results</b>									24,391				150,785,808	24,391	296,465,211
<b>Energy Efficiency Total</b>															
<b>Demand Response Total (Scenario 1)</b>						<b>79,733</b>	<b>142,670</b>	<b>280,099</b>	<b>309,091</b>	<b>3,739,185</b>	<b>2,427,011</b>	<b>5,046,495</b>	<b>8,698</b>	<b>309,091</b>	<b>11,221,389</b>
<b>Adjustments to Previous Years' Verified Results Total</b>						<b>0</b>	<b>1,406</b>	<b>6,901</b>	<b>35,030</b>	<b>0</b>	<b>18,689,081</b>	<b>43,684,221</b>	<b>195,185,880</b>	<b>43,006</b>	<b>645,389,397</b>
<b>OPA-Contracted LDC Portfolio Total (inc. Adjustments)</b>						<b>216,343</b>	<b>253,267</b>	<b>404,536</b>	<b>568,578</b>	<b>606,883,604</b>	<b>503,590,526</b>	<b>603,259,163</b>	<b>1,170,833,878</b>	<b>927,745</b>	<b>6,552,993,397</b>
Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).														Full OEB Target:	
*Includes adjustments after Final Reports were issued														1,330,000	
Results presented using scenario 1 which assumes that demand response resources have a persistence of 1 year														6,000,000,000	
% of Full OEB Target Achieved to Date (Scenario 1):														70%	
														109%	



Table 7: Adjustments to Province-Wide Net Verified Results due to Variances

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011*	2012*	2013*	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh) 2014
Consumer Program															
Appliance Retirement	Appliances	0	0	0		0	0	0		0	0	0		0	0
Appliance Exchange	Appliances	0	0	0		0	0	0		0	0	0		0	0
HVAC Incentives	Equipment	-18,839	2,319	4,705		-5,270	479	1,037		-9,707,002	955,512	1,838,408		-3,754	-32,284,656
Conservation Instant Coupon Booklet	Items	8,216	0	1,050		16	0	2		275,655	0	23,571		18	1,149,763
BI-Annual Retailer Event	Items	81,817	0	0		108	0	0		2,183,391	0	0		108	8,733,563
Retailer Co-op	Items	0	0	0		0	0	0		0	0	0		0	0
Residential Demand Response	Devices	0	0	0		0	0	0		0	0	0		0	0
Residential Demand Response (IHD)	Devices	0	0	0		0	0	0		0	0	0		0	0
Residential New Construction	Homes	20	2	193		1	1	72		14,667	985	441,938		74	945,497
Consumer Program Total						-5,145	480	1,111		-7,233,290	956,497	2,303,917		-3,555	-21,664,975
Business Program															
Retrofit	Projects	312	876	961		3,208	7,233	11,961		16,266,129	42,498,052	78,146,280		22,056	347,545,386
Direct Install Lighting	Projects	444	197	51		501	204	46		1,250,388	736,541	164,667		620	7,158,143
Building Commissioning	Buildings	0	0	0		0	0	0		0	0	0		0	0
New Construction	Buildings	15	29	72		850	1,304	2,241		3,604,553	4,825,774	8,636,179		4,401	46,187,216
Energy Audit	Audits	119	77	270		604	439	2,383		2,945,189	2,145,367	13,100,635		3,426	44,418,129
Small Commercial Demand Response	Devices	0	0	0		0	0	0		0	0	0		0	0
Small Commercial Demand Response (IHD)	Devices	0	0	0		0	0	0		0	0	0		0	0
Demand Response 3	Facilities	0	0	0		0	0	0		0	0	0		0	0
Business Program Total						5,162	9,181	16,631		24,066,259	50,205,734	100,047,761		30,503	385,148,444
Industrial Program															
Process & System Upgrades	Projects	0	0	2		0	0	324		0	0	968,659		324	1,937,318
Monitoring & Targeting	Projects	0	1	3		0	0	54		0	528,000	639,348		54	2,862,696
Energy Manager	Projects	1	93	101		27	1,067	2,395		241,515	8,266,841	25,814,853		4,345	81,853,489
Retrofit	Projects	0	0	0		0	0	0		0	0	0		0	0
Demand Response 3	Facilities	0	0	0		0	0	0		0	0	0		0	0
Industrial Program Total						27	1,067	2,774		241,515	8,794,841	27,422,860		4,723	61,215,516
Home Assistance Program															
Home Assistance Program	Homes	0	887	2,898		0	222	791		0	1,316,749	4,321,794		1,009	12,515,300
Home Assistance Program Total						0	222	791		0	1,316,749	4,321,794		1,009	8,581,177
Aboriginal Program															
Home Assistance Program	Homes	0	0	133		0	0	134		0	0	563,715		134	1,127,430
Direct Install Lighting	Projects	0	0	0		0	0	0		0	0	0		0	0
Aboriginal Program Total						0	0	134		0	0	563,715		134	1,127,430
Pre-2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	12	0	0		138	0	0		545,536	0	0		138	2,182,145
High Performance New Construction	Projects	37	4	15		1,507	363	-184		2,398,941	2,832,533	-993,596		1,686	16,106,171
Toronto Comprehensive	Projects	0	15	4		0	672	185		0	4,523,517	1,324,388		857	16,219,327
Multifamily Energy Efficiency Rebates	Projects	0	0	0		0	0	0		0	0	0		0	0
LDC Custom Programs	Projects	0	0	0		0	0	0		0	0	0		0	0
Pre-2011 Programs completed in 2011 Total						1,645	1,035	2		2,944,477	7,356,050	330,792		2,682	11,104,528
Other															
Program Enabled Savings	Projects	33	55	33		1,776	3,712	2,020		7,727,573	11,481,687	10,688,564		7,509	86,732,481
Time-of-Use Savings	Homes	0	0	0		0	0	0		0	0	0		0	0
LDC Pilots	Projects	0	0	0		0	0	0		0	0	0		0	0
Other Total						1,776	3,712	2,020		7,727,573	11,481,687	10,688,564		7,509	86,732,481
Adjustments to 2011 Verified Results						3,465				27,746,535				3,215	110,143,550
Adjustments to 2012 Verified Results							15,697				80,111,558			15,401	238,780,637
Adjustments to 2013 Verified Results								23,463				145,679,403		24,391	296,465,211
Adjustments to Previous Years' Verified Results Total						3,465	15,697	23,463		27,746,535	80,111,558	145,679,403		43,006	645,389,397

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

Adjustments to previous years' results shown in this table will not align to adjustments shown in Table 1 as the information presented above is presented in the implementation year. Adjustments in Table 1 reflect persisted savings in the year in which that adjustment is verified.

Table 8: Province-Wide Realization Rate &amp; 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
<b>Consumer Program</b>																
Appliance Retirement	1.00	1.00	1.00	1.00	0.51	0.46	0.42	0.45	1.00	1.00	1.00	1.00	0.46	0.47	0.44	0.47
Appliance Exchange	1.00	1.00	1.00	1.00	0.51	0.52	0.53	0.53	1.00	1.00	1.00	1.00	0.52	0.52	0.53	0.53
HVAC Incentives	1.00	1.00	1.00	1.00	0.60	0.50	0.48	0.48	1.00	1.00	1.00	1.00	0.50	0.49	0.48	0.48
Conservation Instant Coupon Booklet	1.00	1.00	1.00	1.00	1.14	1.00	1.11	1.69	1.00	1.00	1.00	1.00	1.00	1.05	1.13	1.73
Bi-Annual Retailer Event	1.00	1.00	1.00	1.00	1.12	0.91	1.04	1.74	1.00	1.00	1.00	1.00	0.91	0.92	1.04	1.75
Retailer Co-op	1.00	n/a	n/a	n/a	0.68	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Residential Demand Response	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Residential Demand Response (IHD)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Residential New Construction	1.00	3.65	0.78	1.03	0.41	0.49	0.63	0.63	3.65	7.17	3.09	0.62	0.49	0.49	0.63	0.63
<b>Business Program</b>																
Retrofit	1.06	0.93	0.92	0.84	0.72	0.75	0.73	0.71	0.93	1.05	1.01	0.98	0.75	0.76	0.73	0.72
Direct Install Lighting	1.08	0.69	0.82	0.78	1.08	0.94	0.94	0.94	0.69	0.85	0.84	0.83	0.94	0.94	0.94	0.94
Building Commissioning	n/a	n/a	n/a	1.97	n/a	n/a	n/a	1.00	n/a	n/a	n/a	1.16	n/a	n/a	n/a	1.00
New Construction	0.50	0.98	0.68	0.71	0.50	0.49	0.54	0.54	0.98	0.99	0.76	0.79	0.49	0.49	0.54	0.54
Energy Audit	n/a	n/a	1.02	0.96	n/a	n/a	0.66	0.68	n/a	n/a	0.97	1.00	n/a	n/a	0.66	0.67
Small Commercial Demand Response	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Small Commercial Demand Response (IHD)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Demand Response 3	0.76	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Industrial Program</b>																
Process & System Upgrades	n/a	n/a	0.85	0.96	n/a	n/a	0.94	0.79	n/a	n/a	0.87	0.96	n/a	n/a	0.93	0.80
Monitoring & Targeting	n/a	n/a	n/a	0.59	n/a	n/a	n/a	1.00	n/a	n/a	n/a	0.36	n/a	n/a	n/a	1.00
Energy Manager	n/a	1.16	0.90	0.91	n/a	0.90	0.90	0.90	1.16	1.16	0.90	0.96	0.90	0.90	0.90	0.85
Retrofit	1.11	n/a	n/a	n/a	0.72	n/a	n/a	n/a	0.91	n/a	n/a	n/a	0.75	n/a	n/a	n/a
Demand Response 3	0.84	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Home Assistance Program</b>																
Home Assistance Program	1.00	0.32	0.26	0.49	0.70	1.00	1.00	1.00	0.32	0.99	0.88	0.78	1.00	1.00	1.00	1.00
<b>Aboriginal Program</b>																
Home Assistance Program	n/a	n/a	0.05	0.15	n/a	n/a	1.00	1.00	n/a	n/a	0.95	0.97	n/a	n/a	1.00	1.00
Direct Install Lighting	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Pre-2011 Programs completed in 2011</b>																
Electricity Retrofit Incentive Program	0.80	n/a	n/a	n/a	0.54	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
High Performance New Construction	1.00	1.00	1.00	n/a	0.49	0.50	0.50	0.50	1.00	1.00	1.00	n/a	0.50	0.50	0.50	0.50
Toronto Comprehensive	1.13	n/a	n/a	n/a	0.50	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Multifamily Energy Efficiency Rebates	0.93	n/a	n/a	n/a	0.78	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LDC Custom Programs	1.00	n/a	n/a	n/a	1.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Other</b>																
Program Enabled Savings	n/a	1.06	1.00	0.86	n/a	1.00	1.00	1.00	n/a	2.26	1.00	0.98	n/a	1.00	1.00	1.00
Time-of-Use Savings	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
LDC Pilots	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

## Summary Provincial Progress Towards CDM Targets

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

Implementation Period	Annual			
	2011	2012	2013	2014
<b>2011</b>	216.3	136.6	135.8	129.0
<b>2012†</b>	1.4	253.3	109.8	108.2
<b>2013†</b>	0.6	7.0	404.5	122.0
<b>2014†</b>	1.4	10.8	34.2	568.6
<b>Verified Net Annual Peak Demand Savings in 2014:</b>				<b>927.7</b>
<b>2014 Annual CDM Capacity Target:</b>				<b>1,330</b>
<b>Verified Portion of Peak Demand Savings Target Achieved in 2014 (%):</b>				<b>69.8%</b>

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

Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
<b>2011</b>	606.9	603.0	601.0	582.3	2,393.1
<b>2012†</b>	18.7	503.6	498.4	492.6	1,513.3
<b>2013†</b>	1.7	44.4	603.3	583.4	1,232.8
<b>2014†</b>	7.3	44.8	191.0	1,170.8	1,413.9
<b>Verified Net Cumulative Energy Savings 2011-2014:</b>					<b>6,553.0</b>
<b>2011-2014 Cumulative CDM Energy Target:</b>					<b>6,000</b>
<b>Verified Portion of Cumulative Energy Target Achieved in 2014 (%):</b>					<b>109.2%</b>

*†Includes adjustments to previous years' verified results*

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

## METHODOLOGY

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

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

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

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

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Residential New Construction	Results are directly attributed to LDC based on LDC identified in application in the iCon system. Initiative was not evaluated in 2011, reported results are presented with forecast assumptions as per the business case.	Savings are considered to begin in the year of the project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
<b>Business Program</b>			
Efficiency: Equipment Replacement	Results are directly attributed to LDC based on LDC identified at the facility level in the iCon system. Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see page for Building type to Sector mapping.	Savings are considered to begin in the year of the actual project completion date in the iCON system.	Peak demand and energy savings are determined by the total savings for a given project as reported in the iCON system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
	Additional Note: project counts were derived by filtering out invalid statuses (e.g. Post-Project Submission - Payment denied by LDC) and only including projects with an "Actual Project Completion Date" in 2014)		

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Direct Installed Lighting	Results are directly attributed to LDC based on the LDC specified on the work order.	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumptions multiplied by the uptake of each measure accounting for the realization rate for both peak demand and energy to reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings take into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
Existing Building Commissioning Incentive	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined by the total savings for a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
New Construction and Major Renovation Incentive	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year of the actual project completion date.	
Energy Audit	Projects are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year of the audit date.	Peak demand and energy savings are determined by the total savings resulting from an audit as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Commercial Demand Response (part of the Residential program schedule)	Results are directly attributed to LDC based on data provided to IESO through project completion reports and continuing participant lists	Savings are considered to begin in the year the device was installed and/or when a customer signed a peaksaver PLUS™ participant agreement.	Peak demand savings are based on an ex ante estimate assuming a 1 in 10 weather year and represents the "insurance value" of the initiative. Energy savings are based on an ex post estimate which reflects the savings that occurred as a result of activations in the year. Savings are assumed to persist for only 1 year, reflecting that savings will only occur if the resource is activated.
Demand Response 3 (part of the Industrial program schedule)	Results are attributed to LDCs based on the total contracted megawatts at the contributor level as of December 31st, applying the provincial ex ante to contracted ratio (ex ante estimate/contracted megawatts); Ex post energy savings are attributed to the LDC based on their proportion of the total contracted megawatts at the contributor level.	Savings are considered to begin in the year in which the contributor signed up to participate in demand response.	Peak demand savings are ex ante estimates based on the load reduction capability that can be expected for the purposes of planning. The ex ante estimates factor in both scheduled non-performances (i.e. maintenance) and historical performance. Energy savings are based on an ex post estimate which reflects the savings that actually occurred as a results of activations in the year. Savings are assumed to persist for 1 year, reflecting that savings will not occur if the resource is not activated and additional costs are incurred to activate the resource.
<b>Industrial Program</b>			
Process & System Upgrades	Results are directly attributed to LDC based on LDC identified in application.	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).



Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Monitoring & Targeting	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
Energy Manager	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the project was completed by the energy manager. If no date is specified the savings will begin the year of the Quarterly Report submitted by the energy manager.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

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

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
<b>Home Assistance Program</b>			
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.
<b>Aboriginal Program</b>			
Aboriginal Program	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the measures were installed.	Peak demand and energy savings are determined using the measure level per unit assumption multiplied by the uptake of each measure (gross), taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Pre-2011 Programs completed in 2011			
Electricity Retrofit Incentive Program	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated in 2011, 2012, 2013 or 2014 assumptions as per 2010 evaluation.	Savings are considered to begin in the year in which a project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported. A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). If energy savings are not available, an estimate is made based on the kWh to kW ratio in the provincial results from the 2010 evaluated results ( <a href="http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports">http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports</a> ).
High Performance New Construction	Results are directly attributed to LDC based on customer data provided to the OPA from Enbridge; Initiative was not evaluated in 2011, 2012, 2013 or 2014, assumptions as per 2010 evaluation.	Savings are considered to begin in the year in which a project was completed.	
Toronto Comprehensive	Program run exclusively in Toronto Hydro-Electric System Limited service territory; Initiative was not evaluated in 2011, 2012, 2013 or 2014, assumptions as per 2010 evaluation.		

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Multifamily Energy Efficiency Rebates	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated in 2011, 2012, 2013 or 2014, assumptions as per 2010 evaluation.	Savings are considered to begin in the year in which a project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). If energy savings are not available, an estimate is made based on the kWh to kW ratio in the provincial results from the 2010 evaluated results ( <a href="http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports">http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports</a> ).
Data Centre Incentive Program	Program run exclusively in PowerStream Inc. service territory; Initiative was not evaluated in 2011, assumptions as per 2009 evaluation.		
EnWin Green Suites	Program run exclusively in ENWIN Utilities Ltd. service territory; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation.		

### Consumer Program Allocation Methodology

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

Local Distribution Company	Allocation
Algoma Power Inc.	0.2%
Atikokan Hydro Inc.	0.0%
Attawapiskat Power Corporation	0.0%
Bluewater Power Distribution Corporation	0.6%
Brant County Power Inc.	0.2%
Brantford Power Inc.	0.7%
Burlington Hydro Inc.	1.4%
Cambridge and North Dumfries Hydro Inc.	1.0%
Canadian Niagara Power Inc.	0.5%
Centre Wellington Hydro Ltd.	0.1%
Chapleau Public Utilities Corporation	0.0%
COLLUS Power Corporation	0.3%
Cooperative Hydro Embrun Inc.	0.0%
E.L.K. Energy Inc.	0.2%
Enersource Hydro Mississauga Inc.	3.9%
ENTEGRUS	0.6%
ENWIN Utilities Ltd.	1.6%
Erie Thames Powerlines Corporation	0.4%
Espanola Regional Hydro Distribution Corporation	0.1%
Essex Powerlines Corporation	0.7%
Festival Hydro Inc.	0.3%
Fort Albany Power Corporation	0.0%
Fort Frances Power Corporation	0.1%
Greater Sudbury Hydro Inc.	1.0%
Grimsby Power Inc.	0.2%
Guelph Hydro Electric Systems Inc.	0.9%
Haldimand County Hydro Inc.	0.4%
Halton Hills Hydro Inc.	0.5%
Hearst Power Distribution Company Limited	0.1%
Horizon Utilities Corporation	4.0%
Hydro 2000 Inc.	0.0%
Hydro Hawkesbury Inc.	0.1%
Hydro One Brampton Networks Inc.	2.8%
Hydro One Networks Inc.	30.0%
Hydro Ottawa Limited	5.6%
Innisfil Hydro Distribution Systems Limited	0.4%
Kashechewan Power Corporation	0.0%
Kenora Hydro Electric Corporation Ltd.	0.1%
Kingston Hydro Corporation	0.5%
Kitchener-Wilmot Hydro Inc.	1.6%
Lakefront Utilities Inc.	0.2%

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

## Reporting Glossary

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

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

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

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

**Incremental:** the new resource savings attributable to activity procured in a particular reporting period based on when the savings are considered to 'start'.

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

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

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

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

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

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

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

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

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



Table 11: Enersource Hydro Mississauga Inc. Initiative and Program Level Gross Savings by Year

Initiative	Unit	Gross Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Gross Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program									
Appliance Retirement**	Appliances	233	59	79	64	1,711,574	430,436	525,307	435,868
Appliance Exchange**	Appliances	19	17	35	50	22,010	30,332	62,470	89,143
HVAC Incentives	Equipment	3,301	2,405	2,655	2,930	6,033,153	4,095,259	4,620,192	5,431,422
Conservation Instant Coupon Booklet	Items	42	9	18	51	692,278	52,061	268,660	675,508
Bi-Annual Retailer Event	Items	59	64	45	182	1,056,196	1,147,401	645,567	2,758,532
Retailer Co-op	Items	0	0	0	0	129	0	0	0
Residential Demand Response	Devices	298	1,262	6,291	7,615	773	10,075	10,205	1,247
Residential Demand Response (IHD)	Devices	0	0	0	0	0	0	0	0
Residential New Construction	Homes	0	0	0	0	0	0	0	2,070
Consumer Program Total		3,952	3,816	9,122	10,893	9,516,113	5,765,565	6,132,400	9,393,790
Business Program									
Retrofit	Projects	3,113	5,785	5,817	8,351	16,278,798	29,357,059	31,277,603	57,628,454
Direct Install Lighting	Projects	3,137	1,792	1,263	1,427	9,136,175	5,873,790	4,147,308	4,958,203
Building Commissioning	Buildings	0	0	0	0	0	0	0	0
New Construction	Buildings	0	197	0	223	0	504,084	0	379,110
Energy Audit	Audits	0	192	148	1,267	0	931,521	806,418	6,225,795
Small Commercial Demand Response	Devices	0	0	0	243	0	0	0	0
Small Commercial Demand Response (IHD)	Devices	0	0	0	0	0	0	0	0
Demand Response 3	Facilities	1,800	2,171	1,079	904	70,271	31,557	17,169	0
Business Program Total		8,050	10,136	8,307	12,414	25,485,244	36,698,012	36,248,497	69,191,563
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	4	1,083	531	0	25,000	4,180,521	4,326,533
Retrofit	Projects	594	0	0	0	2,652,721	0	0	0
Demand Response 3	Facilities	3,236	3,670	17,139	17,243	189,961	88,449	416,174	0
Industrial Program Total		3,830	3,674	18,221	17,774	2,842,682	113,449	4,596,695	4,326,533
Home Assistance Program									
Home Assistance Program	Homes	0	326	20	59	0	262,123	198,590	724,043
Home Assistance Program Total		0	326	20	59	0	262,123	198,590	724,043
Aboriginal Program									
Home Assistance Program	Homes	0	0	0	0	0	0	0	0
Direct Install Lighting	Projects	0	0	0	0	0	0	0	0
Aboriginal Program Total		0	0	0	0	0	0	0	0
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program	Projects	4,087	0	0	0	23,397,458	0	0	0
High Performance New Construction	Projects	323	378	0	0	1,657,947	836,260	0	0
Toronto Comprehensive	Projects	0	0	0	0	0	0	0	0
Multifamily Energy Efficiency Rebates	Projects	0	0	0	0	462	0	0	0
LDC Custom Programs	Projects	0	0	0	0	0	0	0	0
Pre-2011 Programs completed in 2011 Total		4,410	378	0	0	25,055,867	836,260	0	0
Other									
Program Enabled Savings	Projects	0	0	0	0	0	0	0	0
Time-of-Use Savings	Homes	0	0	0	3,831	0	0	0	0
LDC Pilots	Projects	0	0	0	24	0	0	0	184,241
Other Total		0	0	0	3,831	0	0	0	0
Adjustments to 2011 Verified Results			896	1	3		3,395,049	1,488	16,207
Adjustments to 2012 Verified Results				679	510			5,600,627	1,587,547
Adjustments to 2013 Verified Results					2,644				25,760,646
Energy Efficiency Total		14,908	11,227	11,162	18,991	62,638,901	43,545,328	46,732,634	83,818,923
Demand Response Total		5,335	7,104	24,508	26,005	261,006	130,081	443,548	1,247
Adjustments to Previous Years' Verified Results Total		0	896	680	3,157	0	3,395,049	5,602,114	27,364,400
OPA-Contracted LDC Portfolio Total (inc. Adjustments)		20,242	19,227	36,350	48,153	62,899,907	47,070,458	52,778,297	111,184,569

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

\*Includes adjustments after Final Reports were issued

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

Gross results are presented for informational purposes only and are not considered official 2014 Final Verified Results

\*\*Net results substituted for gross results due to unavailability of data

Table 12: Adjustments to Enersource Hydro Mississauga Inc. Gross Verified Results due to Variances

Initiative	Unit	Gross Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Gross Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program									
Appliance Retirement	Appliances	0	0	0		0	0	0	
Appliance Exchange	Appliances	0	0	0		0	0	0	
HVAC Incentives	Equipment	-542	61	142		-989,566	110,371	252,679	
Conservation Instant Coupon Booklet	Items	1	0	0		10,051	0	812	
Bi-Annual Retailer Event	Items	5	0	0		93,200	0	0	
Retailer Co-op	Items	0	0	0		0	0	0	
Residential Demand Response	Devices	0	0	0		0	0	0	
Residential Demand Response (IHD)	Devices	0	0	0		0	0	0	
Residential New Construction	Homes	0	0	0		0	0	0	
Consumer Program Total		-537	61	142		-886,316	110,371	253,491	
Business Program									
Retrofit	Projects	630	567	1,210		2,278,457	6,675,518	13,802,389	
Direct Install Lighting	Projects	58	4	0		133,740	17,773	0	
Building Commissioning	Buildings	0	0	0		0	0	0	
New Construction	Buildings	197	0	181		504,084	0	392,189	
Energy Audit	Audits	47	47	67		226,586	337,100	367,331	
Small Commercial Demand Response	Devices	0	0	0		0	0	0	
Small Commercial Demand Response (IHD)	Devices	0	0	0		0	0	0	
Demand Response 3	Facilities	0	0	0		0	0	0	
Business Program Total		931	618	1,458		3,142,868	7,030,391	14,561,910	
Industrial Program									
Process & System Upgrades	Projects	0	0	0		0	0	0	
Monitoring & Targeting	Projects	0	0	0		0	0	0	
Energy Manager	Projects	0	0	990		0	0	9,271,037	
Retrofit	Projects	0	0	0		0	0	0	
Demand Response 3	Facilities	0	0	0		0	0	0	
Industrial Program Total		0	0	990		0	0	9,271,037	
Home Assistance Program									
Home Assistance Program	Homes	0	0	56		0	47,874	273,584	
Home Assistance Program Total		0	0	56		0	47,874	273,584	
Aboriginal Program									
Home Assistance Program	Homes	0	0	0		0	0	0	
Direct Install Lighting	Projects	0	0	0		0	0	0	
Aboriginal Program Total		0	0	0		0	0	0	
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program	Projects	0	0	0		0	0	0	
High Performance New Construction	Projects	503	0	0		1,139,985	0	0	
Toronto Comprehensive	Projects	0	0	0		0	0	0	
Multifamily Energy Efficiency Rebates	Projects	0	0	0		0	0	0	
LDC Custom Programs	Projects	0	0	0		0	0	0	
Pre-2011 Programs completed in 2011 Total		503	0	0		1,139,985	0	0	
Other									
Program Enabled Savings	Projects	0	0	0		0	0	0	
Time-of-Use Savings	Homes	0	0	0		0	0	0	
LDC Pilots	Projects	0	0	0		0	0	0	
Other Total		0	0	0		0	0	0	
Adjustments to 2011 Verified Results		897				3,396,537			
Adjustments to 2012 Verified Results			679				7,188,635		
Adjustments to 2013 Verified Results				2,647				24,360,022	
Total Adjustments to Previous Years' Verified Results		897	679	2,647		3,396,537	7,188,635	24,360,022	

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

Gross results are presented for informational purposes only and are not considered official 2014 Final Verified Results

Table 13: Province-Wide Initiatives and Program Level Gross Savings by Year

Initiative	Unit	Gross Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Gross Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program									
Appliance Retirement**	Appliances	6,750	2,011	3,151	3,579	45,971,627	13,424,518	18,616,239	20,315,770
Appliance Exchange**	Appliances	719	556	2,101	2,238	873,531	974,621	3,746,106	3,990,372
HVAC Incentives	Equipment	53,209	38,346	40,418	48,467	99,413,430	66,929,213	71,225,037	90,274,814
Conservation Instant Coupon Booklet	Items	1,184	231	464	1,442	19,192,453	1,325,898	6,842,244	19,000,254
Bi-Annual Retailer Event	Items	1,504	1,622	1,142	4,626	26,899,265	29,222,072	16,441,329	70,254,471
Retailer Co-op	Items	0	0	0	0	3,917	0	0	0
Residential Demand Response	Devices	10,390	49,038	93,076	117,513	23,597	359,408	390,303	8,379
Residential Demand Response (IHD)	Devices	0	0	0	0	0	0	0	0
Residential New Construction	Homes	0	1	29	587	1,813	4,884	259,826	3,699,786
Consumer Program Total		73,757	91,805	140,380	178,452	192,379,633	112,240,615	117,521,084	207,543,846
Business Program									
Retrofit	Projects	34,201	78,965	82,896	98,849	184,070,265	387,817,248	478,410,896	642,515,421
Direct Install Lighting	Projects	22,155	20,469	19,807	24,794	65,777,197	68,896,046	68,140,249	89,528,509
Building Commissioning	Buildings	0	0	0	988	0	0	0	1,513,377
New Construction	Buildings	247	1,596	2,934	11,911	823,434	3,755,869	9,183,826	37,742,970
Energy Audit	Audits	0	1,450	4,283	9,367	0	7,049,351	23,386,108	46,012,517
Small Commercial Demand Response	Devices	55	187	773	2,116	131	1,068	373	319
Small Commercial Demand Response (IHD)	Devices	0	0	0	0	0	0	0	0
Demand Response 3	Facilities	21,390	19,389	23,706	23,380	633,421	281,823	346,659	0
Business Program Total		78,048	122,056	134,399	171,405	251,304,448	467,801,406	579,468,111	817,313,113
Industrial Program									
Process & System Upgrades	Projects	0	0	313	12,287	0	0	2,799,746	90,463,617
Monitoring & Targeting	Projects	0	0	0	102	0	0	0	502,517
Energy Manager	Projects	0	1,034	3,953	5,767	0	7,067,535	24,438,070	44,929,364
Retrofit	Projects	6,372	0	0	0	38,412,408	0	0	0
Demand Response 3	Facilities	176,180	74,056	162,543	166,082	4,243,958	1,784,712	4,309,160	0
Industrial Program Total		182,552	75,090	166,809	184,238	42,656,366	8,852,247	31,546,976	135,895,498
Home Assistance Program									
Home Assistance Program	Homes	4	1,777	2,361	2,466	56,119	5,524,230	20,987,275	19,582,658
Home Assistance Program Total		4	1,777	2,361	2,466	56,119	5,524,230	20,987,275	19,582,658
Aboriginal Program									
Home Assistance Program	Homes	0	0	267	549	0	0	1,609,393	3,101,207
Direct Install Lighting	Projects	0	0	0	0	0	0	0	0
Aboriginal Program Total		0	0	267	549	0	0	1,609,393	3,101,207
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program	Projects	40,418	0	0	0	223,956,390	0	0	0
High Performance New Construction	Projects	10,197	6,501	772	268	52,371,183	23,803,888	3,522,240	1,377,475
Toronto Comprehensive	Projects	33,467	0	0	802	174,070,574	0	0	7,085,257
Multifamily Energy Efficiency Rebates	Projects	2,553	0	0	0	9,774,792	0	0	0
LDC Custom Programs	Projects	534	0	0	0	649,140	0	0	0
Pre-2011 Programs completed in 2011 Total		87,169	6,501	772	1,070	460,822,079	23,803,888	3,522,240	8,462,733
Other									
Program Enabled Savings	Projects	0	2,177	3,692	5,500	0	525,011	4,075,382	19,035,337
Time-of-Use Savings	Homes	0	0	0	54,795	0	0	0	0
LDC Pilots	Projects	0	0	0	1,170	0	0	0	5,061,522
Other Total		0	2,177	3,692	60,296	0	525,011	4,075,382	19,035,337
Adjustments to 2011 Verified Results			13,266	645	1,601		48,705,294	20,581	6,028
Adjustments to 2012 Verified Results				8,632	13,449			54,301,893	59,098,939
Adjustments to 2013 Verified Results					34,727				206,413,158
Energy Efficiency Total		213,515	156,735	168,583	289,384	942,317,539	616,320,385	753,683,966	1,210,925,694
Demand Response Total		208,015	142,670	280,099	309,091	4,901,107	2,427,011	5,046,495	8,698
Adjustments to Previous Years' Verified Results Total		0	13,266	9,277	49,777	0	48,705,294	54,322,474	265,518,125
OPA-Contracted LDC Portfolio Total (inc. Adjustments)		421,530	312,671	457,958	648,252	947,218,646	667,452,690	813,052,934	1,476,452,516

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

Gross results are presented for informational purposes only and are not considered official 2014 Final Verified Results

\*\*Net results substituted for gross results due to unavailability of data

Table 14: Adjustments to Province-Wide Gross Verified Results due to Variances

Initiative	Unit	Gross Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Gross Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program									
Appliance Retirement	Appliances	0	0	0		0	0	0	
Appliance Exchange	Appliances	0	0	0		0	0	0	
HVAC Incentives	Equipment	-8,759	1,091	2,157		-16,241,086	1,952,473	3,873,449	
Conservation Instant Coupon Booklet	Items	15	0	1		255,975	0	20,668	
Bi-Annual Retailer Event	Items	117	0	0		2,373,616	0	0	
Retailer Co-op	Items	0	0	0		0	0	0	
Residential Demand Response	Devices	0	0	0		0	0	0	
Residential Demand Response (IHD)	Devices	0	0	0		0	0	0	
Residential New Construction	Homes	1	1	115		330,093	2,009	701,488	
Consumer Program Total		-8,628	1,092	2,273		-13,281,402	1,954,483	4,595,605	
Business Program									
Retrofit	Projects	4,511	10,114	16,584		22,046,931	58,528,789	108,677,566	
Direct Install Lighting	Projects	541	217	49		1,346,618	781,858	174,460	
Building Commissioning	Buildings	0	0	0		0	0	0	
New Construction	Buildings	3,287	2,673	4,151		11,323,593	9,884,305	15,992,924	
Energy Audit	Audits	656	488	3,631		2,391,744	2,386,374	19,822,524	
Small Commercial Demand Response	Devices	0	0	0		0	0	0	
Small Commercial Demand Response (IHD)	Devices	0	0	0		0	0	0	
Demand Response 3	Facilities	0	0	0		0	0	0	
Business Program Total		8,996	13,491	24,414		37,108,886	71,581,326	144,667,473	
Industrial Program									
Process & System Upgrades	Projects	0	0	426		0	0	1,232,785	
Monitoring & Targeting	Projects	0	0	54		0	528,000	639,348	
Energy Manager	Projects	29	1,071	2,687		0	8,968,007	28,893,596	
Retrofit	Projects	0	0	0		0	0	0	
Demand Response 3	Facilities	0	0	0		0	0	0	
Industrial Program Total		29	1,071	3,168		0	9,496,007	30,765,729	
Home Assistance Program									
Home Assistance Program	Homes	0	222	791		0	1,316,749	4,321,794	
Home Assistance Program Total		0	222	791		0	1,316,749	4,321,794	
Aboriginal Program									
Home Assistance Program	Homes	0	0	134		0	0	563,715	
Direct Install Lighting	Projects	0	0	0		0	0	0	
Aboriginal Program Total		0	0	134		0	0	563,715	
Pre-2011 Programs completed in 2011									
Electricity Retrofit Incentive Program	Projects	266	0	0		1,049,108	0	0	
High Performance New Construction	Projects	13,072	727	405		23,905,663	5,665,066	1,535,048	
Toronto Comprehensive	Projects	0	1,920	529		0	12,924,335	3,783,965	
Multifamily Energy Efficiency Rebates	Projects	0	0	0		0	0	0	
LDC Custom Programs	Projects	0	0	0		0	0	0	
Pre-2011 Programs completed in 2011 Total		13,337	2,647	934		24,954,771	18,589,400	5,319,013	
Other									
Program Enabled Savings	Projects	1,776	3,712	2,020		1,673,712	11,481,687	10,688,564	
Time-of-Use Savings	Homes	0	0	0		0	0	0	
LDC Pilots	Projects	0	0	0		0	0	0	
Other Total		1,776	3,712	2,020		1,673,712	11,481,687	10,688,564	
Adjustments to 2011 Verified Results		15,511				50,455,967			
Adjustments to 2012 Verified Results			22,235				114,419,652		
Adjustments to 2013 Verified Results				33,734				200,921,892	
Adjustments to Previous Years' Verified Results Total		15,511	22,235	33,734		50,455,967	114,419,652	200,921,892	

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

\*Includes adjustments after Final Reports were issued

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

Gross results are presented for informational purposes only and are not considered official 2014 Final Verified Results

**ATTACHMENT 44 – 2015 FINAL IESO RESULTS REPORT ENERSOURCE RZ**

# Final 2015 Annual Verified Results Report

## Letter from the Vice-President, Conservation & Corporate Relations

June 30, 2016

The IESO is pleased to provide the Final 2015 Annual Verified Results Report including final 2015 Project Lists and EM&V Key Findings & FAQs. Collectively LDCs achieved 1.1 TWh of energy savings persisting to 2020 – representing 16% of the 7 TWh target. These results were achieved through both Legacy Framework and Conservation First Framework (CFF) programs. The results indicate a smooth transition between frameworks and demonstrate the continued collaboration between LDCs and the IESO in promoting a culture of conservation across the province.

The IESO remains committed to supporting LDCs in the delivery of conservation programs and 2015 marked some significant milestones, including the completion and approval of over 40 CDM plans and the implementation of 14 pilot programs and 5 local programs. Other highlights include:

- Business sector accounted for 79% of the net energy savings persisting to 2020 with the remainder 21% through the Residential sector.
- The Coupons program shifted toward ENERGY STAR® rated LED lighting, accounting for roughly 90% of coupons redeemed.
- The Retrofit program participation increased nearly 20%, and net energy savings increased by over 50% over 2014 results. Net-to-gross adjustments are trending higher than previous years, minimum of a 75% net-to-gross in all regions.
- The Process & Systems Upgrades program achieved a 20% increase in Capital Incentive projects totalling 12 in all, including 4 Behind-the-Meter Generation, and a broad spectrum of industrial processes and end-uses.

2015 also marks the first year that regional and local net-to-gross values have been employed where possible in certain programs, providing LDCs with a more granular analysis on their individual results.

CFF provides many opportunities to support LDCs in achieving their energy targets and delivering value to customers. Through increased flexibility for LDCs to design and deliver programs based on local needs and fostering collaboration and innovation through enhanced program funding opportunities we are well positioned to achieve success in delivering effective conservation programs to all customers.

We appreciate your collaboration and cooperation throughout the reporting and evaluation process and as we look ahead to the remainder of 2016, the IESO will be focusing on improving its communication and support services to further enhance the participation in conservation programs for both LDCs and customers.

Please continue to monitor Save on Energy E-blasts for future updates and should you have any other questions or comments please contact [LDC.Support@ieso.ca](mailto:LDC.Support@ieso.ca).

I look forward to continuing to work together in achieving success in the Conservation First Framework.

Sincerely,

Terry Young  
Vice-President, Conservation & Corporate Relations  
Independent Electricity System Operator

# Final 2015 Annual Verified Results Report

## Table of Contents

#	Worksheet Name	Worksheet Description
1	How to Use This Report	Describes the contents and structure of this report
2	Report Summary	<p>A high level summary of the Final 2015 Annual Verified Results Report, including:</p> <ol style="list-style-type: none"> <li>1) progress toward the LDC's               <ol style="list-style-type: none"> <li>a) Allocated 2020 Energy Savings Target;</li> <li>b) Allocated 2015-2020 LDC CDM Plan Budget;</li> <li>c) CDM Plan 2015-2020 Forecasts;</li> </ol> </li> <li>3) annual savings and spending;</li> <li>4) Annual FCR Progress;</li> <li>5) annual LDC CDM Plan spending progress;</li> <li>6) graphs describing:               <ol style="list-style-type: none"> <li>a) contribution to 2020 Target Achievement by program;</li> <li>b) 2015 LDC CDM Plan Budget Spending by Sector;</li> <li>c) annual energy savings persistence to 2020 by year;</li> <li>d) your Allocated Target achievement progress relative to your peers; and</li> <li>e) your LDC CDM Plan Budget Spending progress relative to your peers;</li> </ol> </li> </ol>
3	LDC Progress	<p>A comprehensive report of 2015 conservation results including:</p> <ol style="list-style-type: none"> <li>1) activity;</li> <li>2) savings including:               <ol style="list-style-type: none"> <li>a) energy and demand;</li> <li>b) net and gross;</li> <li>c) CDM Plan forecasts, verified actuals and relative progress;</li> <li>d) Allocated Target and Target achievement; and</li> </ol> </li> <li>3) spending, including participant incentives and administrative expenses.</li> </ol> <p>Data is grouped by category and summarized at the LDC level.</p>
4	Province-Wide Progress	<p>A comprehensive report of 2015 conservation results including:</p> <ol style="list-style-type: none"> <li>1) activity;</li> <li>2) savings including:               <ol style="list-style-type: none"> <li>a) energy and demand;</li> <li>b) net and gross;</li> <li>c) CDM Plan forecasts, verified actuals and relative progress;</li> <li>d) Allocated Target and Target achievement; and</li> </ol> </li> <li>3) spending, including participant incentives and administrative expenses.</li> </ol> <p>Data is grouped by category and summarized at the province-wide level.</p>
5	IESO Value Added Services Costs	Provision of the LDCs and the Province-Wide aggregated IESO Value Added Services activity and costs for each year.
6	Methodology	Description of the methods used to calculate energy savings, financial results and cost-effectiveness.
7	Reference Tables	Consumer Program Province-Wide results allocation to specific LDCs.
8	Glossary	Definitions for the terms used throughout this report.

# Final 2015 Annual Verified Results Report

## How to use this 2015 Annual Verified Results Report

The IESO is pleased to provide you with the 2015 Annual Verified Results Report.

This report provides:

- 1) electricity savings;
  - 2) annual Full Cost Recovery funding model program progress; and
  - 3) peak demand savings;
  - 4) IESO Value Added Services Costs
- in accordance with Section 9.2(b)(i) of the Energy Conservation Agreement.

In addition to the above, this report also provides in greater detail:

- 1) program participation results including:
  - a) forecasts; b) actuals; and c) progress (forecast versus (vs) actuals);
- 2) program savings results including:
  - a) net 2020 annual energy savings;
  - b) allocated target, target achievement and progress towards target;
  - c) incremental net first year energy savings;
  - d) incremental net first year demand savings;
  - e) annual net-to-gross and realization rate adjustments;
  - f) incremental gross first year energy savings; and
  - g) incremental gross first year demand savings;and where available reported by: i) forecasts; ii) verified actuals; and iii) progress (forecast vs actuals);
- 3) program spending including:
  - a) participation incentive spending;
  - b) administrative expense spending (including IESO value-added services costs);
  - c) aggregated total spending;and for each cost: i) forecasts; ii) verified actuals; and iii) progress (forecast vs actuals);

by both the LDC specific level and the province-wide aggregated level.

This report's format is consistent with the IESO issued Monthly Participation and Cost Report in that it is a dynamic sheet that can be expanded or collapsed by clicking the + button or "Show Detail" feature under the Data tab. Each of the four results categories listed above have been grouped together for easy accessibility.

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Please note:

- 1) Cost Effectiveness Test (CET) results including:
  - a) total resource cost test;
  - b) program administration cost test;
  - c) levelized unit energy cost test;and for each test: i) benefits; ii) cost; iii) net benefit; iv) benefit ratio;  
will not be available for the 2015 program year in this report but will be provided to LDCs in August 2016.
- 2) forecasts of: a) activity; b) savings; and c) spending; included in this report are based on LDC submitted and IESO received CDM Plan - Cost Effectiveness Tools as of May 16, 2016 (from the i) Program Design; ii) Budget Inputs; iii) Savings Results; and iv) CE Results; worksheets); Please note that this does not contain data for Legacy Framework program spending or CFF pilot program activity, savings, spending or cost effectiveness.
- 3) Annual FCR Progress only includes Full Cost Recovery funded program savings. In future reports, any Pay-for-Performance funded programs will be reported as a separate line item.
- 4) The complete list of programs and pilots launched into market in 2015 has been included, however no programs and pilots were in market for a sufficient period of time to enable a valid EM&V process. Therefore these programs and pilots have nothing to report at this time and have cells greyed out rather than reporting zero savings or spending. Any results in 2015 will be determined in a subsequent EM&V process and will be included in a future year's Annual Verified Results Report as a 2015 adjustment;
- 5) Pilot program savings are attributed to the LDC where the pilot program project is located in; and
- 6) This Annual Verified Results Report provides results for the LDC and province only. No aggregated



Final 2015 Annual Verified Results Report  
Summary

For: Enersource Hydro Mississauga Inc.

Target Achievement

#	Metric	2015 Verified Results	2015-2020 Total CDM Plan Forecast	2015 Verified Results versus CDM Plan (%)	2015-2020 Total Allocated Target / Budget	2015 Verified Results versus Allocated Target / Budget (%)	LDC Ranking in the Province out of 75  (2015 Verified Results versus Allocated Target / Budget (%))
1	Net Verified Annual Energy Savings Persisting to 2020 (MWh)	59,582,916	483,273,203	12	483,270,000	12	50
2	Total Spending (\$)	0	122,499,403	0	122,499,403	0	30

Annual Results

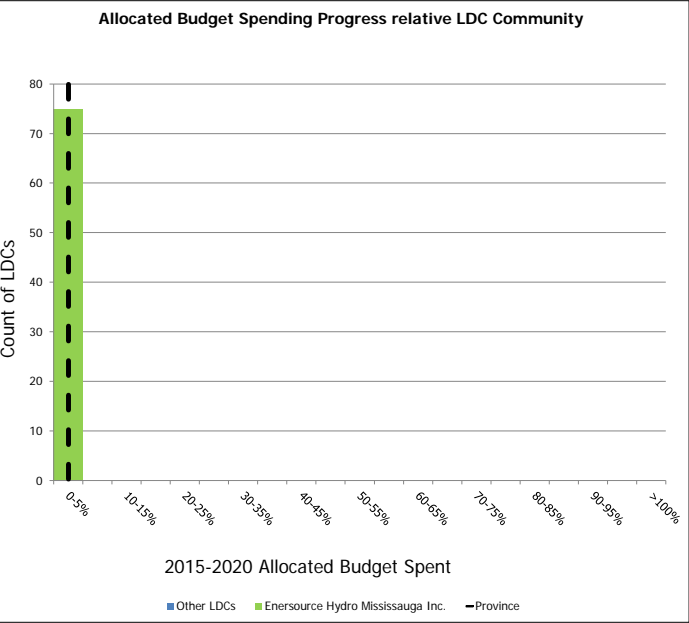
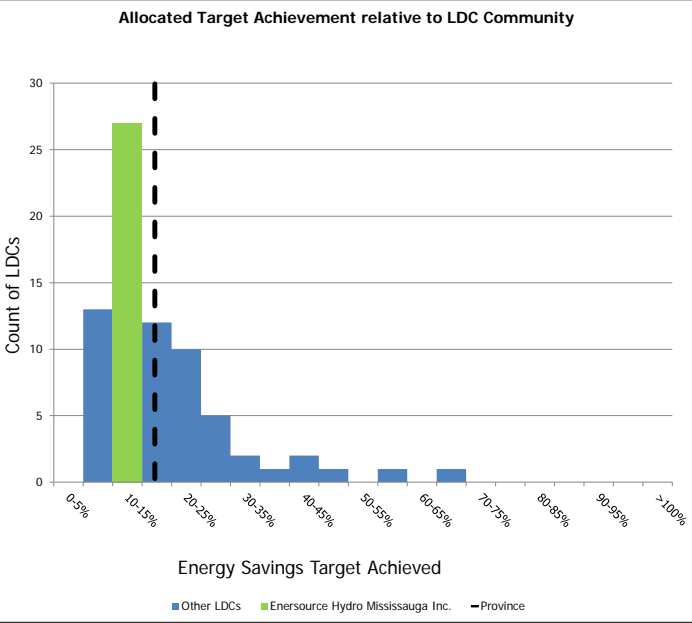
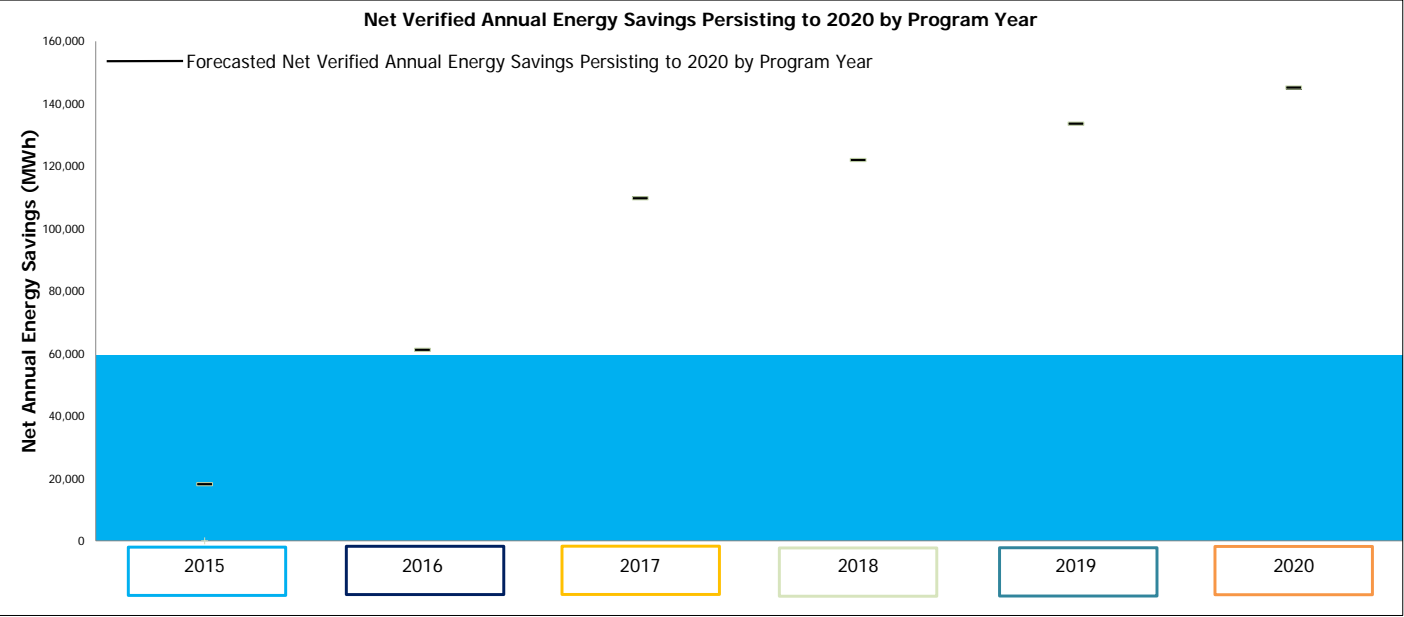
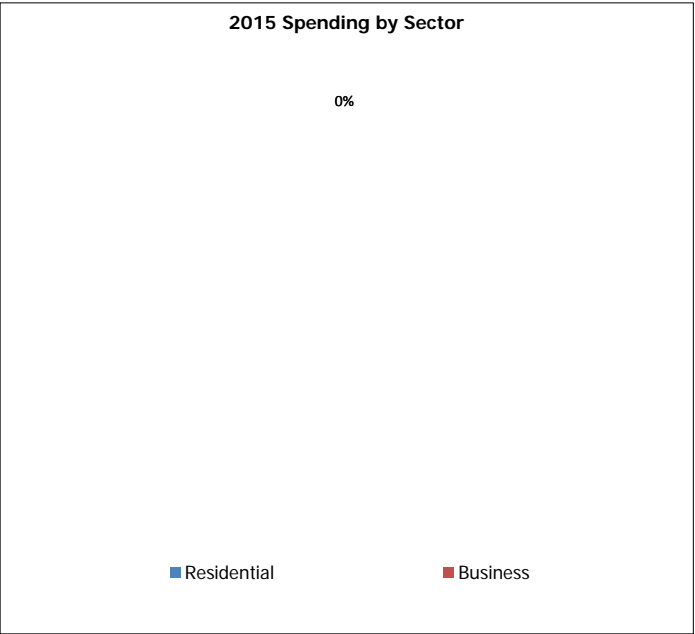
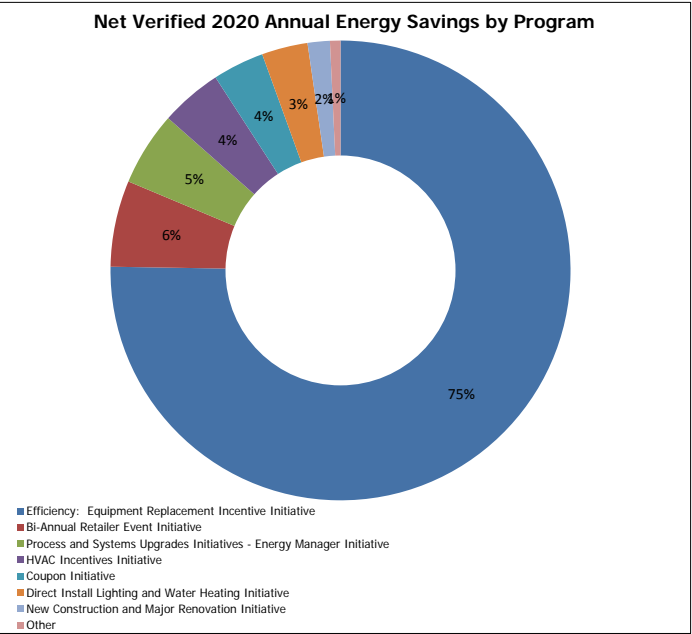
#	Metric	2015	2016	2017	2018	2019	2020	Total
1	Net Verified Annual Energy Savings Persisting to 2020 (MWh)	59,582,916						59,582,916
2	Net Verified Incremental First Year Energy Savings (MWh)	73,151,007						73,151,007
3	Total Spending (\$)	0						0
4	Total Resource Cost Test (Ratio)	n/a						n/a
5	Program Administrator Cost Test (Ratio)	n/a						n/a
6	Levelized Unit Energy Cost Result (\$/kWh)	n/a						n/a

Annual Full Cost Recovery Progress

#	Metric	Result
1	Net Verified 2015 Annual Energy Savings from Full Cost Recovery Programs (MWh)	73,151,007
2	Net 2015 Annual Energy Savings from Full Cost Recovery Program per CDM Plan Forecast (MWh)	18,558,549
3	Annual Full Cost Recovery Progress (%)	394

Budget Progress

#	Metric	Result
1	2015 Spending (\$)	0
2	2015 CDM Plan Budget (\$)	0
3	CDM Plan Budget Progress (%)	0



Enersource Hydro Mississauga Inc. Progress

#	Programs
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2011-2014+2015 Extension Legacy Framework Programs

<b>Residential Program</b>	
1	Coupon Initiative
2	Bi-Annual Retailer Event Initiative
3	Appliance Retirement Initiative
4	HVAC Incentives Initiative
5	Residential New Construction and Major Renovation Initiative
<b>Sub-total - Residential Program</b>	

<b>Commercial &amp; Institutional Program</b>	
6	Energy Audit Initiative
7	Efficiency: Equipment Replacement Incentive Initiative
8	Direct Install Lighting and Water Heating Initiative
9	New Construction and Major Renovation Initiative
10	Existing Building Commissioning Incentive Initiative
<b>Sub-total - Commercial &amp; Institutional Program</b>	

<b>Industrial Program</b>	
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
<b>Sub-total - Industrial Program</b>	

<b>Low Income Program</b>	
14	Low Income Initiative
<b>Sub-total - Low-Income Program</b>	

<b>Pilot Program</b>	
15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
<b>Sub-total - Pilot Program</b>	

<b>Other</b>	
19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
<b>Sub-total - Other</b>	

**Sub-total - 2011-2014+2015 Extension Legacy Framework**

2015-2020 Conservation First Framework Programs

<b>Residential Province-Wide Program</b>	
22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
<b>Sub-total - Residential Province-Wide Program</b>	

<b>Business Province-Wide Program</b>	
26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Commissioning Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
<b>Sub-total - Business Province-Wide Program</b>	

<b>Local &amp; Regional Program</b>	
34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
<b>Sub-total - Local &amp; Regional Program</b>	

<b>Pilot Program</b>	
37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - C
38	EnWin Utilities Ltd. - Building Optimization Pilot
39	EnWin Utilities Ltd. - Re-Invest Pilot
40	Horizon Utilities Corporation - ECM Furnace Motor Pilot
41	Horizon Utilities Corporation - Social Benchmarking Pilot
42	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pil
43	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot
44	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV
45	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agric
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic
47	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls
48	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)
49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)
50	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)
<b>Sub-total - Pilot Program</b>	

<b>Other</b>	
51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
<b>Sub-total - Other</b>	

**Sub-total - 2015-2020 Conservation First Framework**

**Total**

	Participation																				
Unit of Measure	CDM Plan Forecast Reported (#)							Actual Verified (#)					Progress vs. CDM Plan (%)								
	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total

Measures	25,635						25,635		89,265						89,265	348%						348%
Measures	0						0		151,081						151,081							
Appliances	244						244		137						137	56%						56%
Equipment	1,802						1,802		8,098						8,098	449%						449%
Homes	0						0		0						0							

Audits	5						5		49						49	980%						980%
Projects	252						252		931						931	369%						369%
Projects	0						0		1,266						1,266							
Buildings	4						4		9						9	225%						225%
Buildings	0						0		0						0							

Projects	6						6		0						0	0%						0%
Audits	0						0		0						0							
Projects	0						0		20						20							

Homes	1,147						1,147		412						412	36%						36%

Projects	0						0		1						1							
Participants	0						0		0						0							
Projects	0						0		3						3							
Projects	0						0		0						0							

Homes	0						0		0						0							
Projects	n/a						0		0						0							
	n/a						0		0						0							

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Measures	0	24,600	21,591	19,500	20,250	20,936	106,877		0						0							0%
Equipment	0	0	0	0	0	0	0		0						0							
Homes	0	0	0	0	0	0	0		0						0							
Homes	0	500	400	300	300	300	1,800		0						0							0%

Audits	0	5	5	5	5	1	21		0						0							0%
Projects	0	242	239	227	226	226	1,160		0						0							0%
Projects	0	200	190	150	0	0	540		0						0							0%
Buildings	0	0	0	0	0	0	0		0						0							
Buildings	0	0	0	0	0	0	0		0						0							
Projects	0	7	6	3	3	3	22		0						0							0%
Audits	0	0	0	0	0	0	0		0						0							
Projects	0	0	0	0	0	0	0		0						0							

Projects	0	0	0	0	0	0	0		n/a						0	n/a						
Projects	0	0	0	0	0	0	0		n/a						0	n/a						
Participants	0	0	0	0	0	0	0		n/a						0	n/a						

Projects									n/a						0							
Projects									n/a						0							
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Projects									n/a						0							
Participants									n/a						0							
Projects									n/a						0							
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Participation ^

Enersource Hydro Mississauga Inc. Progress

#	Programs
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2011-2014+2015 Extension Legacy Framework Programs

Residential Program	
1	Coupon Initiative
2	Bi-Annual Retailer Event Initiative
3	Appliance Retirement Initiative
4	HVAC Incentives Initiative
5	Residential New Construction and Major Renovation Initiative
Sub-total - Residential Program	

Commercial & Institutional Program

6	Energy Audit Initiative
7	Efficiency: Equipment Replacement Incentive Initiative
8	Direct Install Lighting and Water Heating Initiative
9	New Construction and Major Renovation Initiative
10	Existing Building Commissioning Incentive Initiative
Sub-total - Commercial & Institutional Program	

Industrial Program

11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
Sub-total - Industrial Program	

Low Income Program

14	Low Income Initiative
Sub-total - Low Income Program	

Pilot Program

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
Sub-total - Pilot Program	

Other

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
Sub-total - Other	

Sub-total - 2011-2014+2015 Extension Legacy Framework

2015-2020 Conservation First Framework Programs

Residential Province-Wide Program	
22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
Sub-total - Residential Province-Wide Program	

Business Province-Wide Program

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Commissioning Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
Sub-total - Business Province-Wide Program	

Local & Regional Program

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
Sub-total - Local & Regional Program	

Pilot Program

37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - C
38	EnWin Utilities Ltd. - Building Optimization Pilot
39	EnWin Utilities Ltd. - Re-Invest Pilot
40	Horizon Utilities Corporation - ECM Furnace Motor Pilot
41	Horizon Utilities Corporation - Social Benchmarking Pilot
42	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pil
43	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot
44	Kitchener-Willmot Hydro Inc. - Pilot - DCKV
45	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agric
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic
47	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls
48	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)
49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)
50	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)
Sub-total - Pilot Program	

Other

51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
Sub-total - Other	

Sub-total - 2015-2020 Conservation First Framework

Total
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Progress Towards Net 2020 Annual Energy Savings Target - (Contribution by Year)													
CDM Plan Forecast Reported (kWh)							Actual Verified (kWh)					Allocated Target (kWh)	Progress vs. Target (%)
2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	Total	
182,630						182,630	2,154,375					2,154,375	
639,731						639,731	3,614,091					3,614,091	
20,162						20,162	0					0	
667,638						667,638	2,584,003					2,584,003	
0						0	0					0	
1,510,161						1,510,161	8,352,469					8,352,469	
0						0	0					0	
10,678,234						10,678,234	44,840,465					44,840,465	
0						0	1,925,910					1,925,910	
228,000						228,000	931,231					931,231	
0						0	0					0	
10,906,234						10,906,234	47,697,606					47,697,606	
4,828,682						4,828,682	0					0	
0						0	0					0	
0						0	3,095,771					3,095,771	
4,828,682						4,828,682	3,095,771					3,095,771	
899,701						899,701	253,557					253,557	
899,701						899,701	253,557					253,557	
0						0	183,513					183,513	
0						0	0					0	
0						0	0					0	
0						0	0					0	
0						0	183,513					183,513	
0						0	0					0	
n/a						0	0					0	
n/a						0	0					0	
0						0	0					0	
18,144,778						18,144,778	59,582,916					59,582,916	
0	786,895	687,291	622,633	647,467	668,355	3,412,641	0					0	
0	0	0	0	0	0	0	0					0	
0	0	0	0	0	0	0	0					0	
0	392,198	313,758	235,319	235,319	235,319	1,411,913	0					0	
0	1,179,093	1,001,049	857,952	882,786	903,674	4,824,554	0					0	
0	0	379,268	379,268	379,268	75,854	1,213,658	0					0	
0	14,805,844	8,628,364	8,006,617	7,927,192	8,147,607	47,515,624	0					0	
0	720,382	684,363	540,287	0	0	1,945,032	0					0	
0	0	0	0	0	0	0	0					0	
0	0	0	0	0	0	0	0					0	
0	26,321,304	37,841,371	2,451,894	2,451,894	2,451,894	71,518,357	0					0	
0	0	0	0	0	0	0	0					0	
0	0	0	0	0	0	0	0					0	
0	0	0	0	0	0	0	0					0	
0	41,847,530	47,533,366	11,378,066	10,758,354	10,675,355	122,192,671	0					0	
0	0	0	0	0	0	0	n/a					0	
0	0	0	0	0	0	0	0					0	
0	0	0	0	0	0	0	n/a					0	
0	0	0	0	0	0	0	0					0	
							n/a					0	
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							0					0	
0	43,026,623	48,534,415	12,236,018	11,641,140	11,579,029	127,017,225	0					0	
18,144,778	43,026,623	48,534,415	12,236,018	11,641,140	11,579,029	145,162,003	59,582,916					59,582,916	483,270,000 12.33%

Progress Towards 2020 Net Annual Energy Savings Target ^

#	Programs
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Residential Program	
1	Coupon Initiative
2	Bi-Annual Retailer Event Initiative
3	Appliance Retirement Initiative
4	HVAC Incentives Initiative
5	Residential New Construction and Major Renovation Initiative
<b>Sub-total - Residential Program</b>	

<b>Industrial Program</b>	
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
<b>Sub-total - Industrial Program</b>	

Low Income Program	
14	Low Income Initiative
Sub-total - Low-Income Program	

<b>Other</b>
19 Aboriginal Conservation Program
20 Program Enabled Savings
21 Adjustments to 2015 Legacy Framework Verified Results
<b>Sub-total - Other</b>

**Sub-total - 2011-2014+2015 Extension Legacy Framework**

2015-2020 Conservation First Framework Programs	
<b>Residential Province-Wide Program</b>	
22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
<b>Sub-total - Residential Province-Wide Program</b>	

<b>Local &amp; Regional Program</b>
34 Business Refrigeration Local Program
35 First Nation Conservation Local Program
36 Social Benchmarking Local Program
<b>Sub-total - Local &amp; Regional Program</b>

Pilot Program	
37	EnerSource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - C
38	EnWin Utilities Ltd. - Building Optimization Pilot
39	EnWin Utilities Ltd. - Re-Invest Pilot
40	Horizon Utilities Corporation - ECM Furnace Motor Pilot
41	Horizon Utilities Corporation - Social Benchmarking Pilot
42	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pil
43	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot
44	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV
45	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agric
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic
47	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls
48	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)
49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)
50	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)
<b>Sub-total - Pilot Program</b>	

Sub-total - 2015-2020 Conservation First Framework	100%
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Total	
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Net Incremental First Year Energy Savings																				
CDM Plan Forecast Reported (kWh)							Actual Verified (kWh)						Annual Cumulative Progress vs. CDM Plan (%)							
2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total
182,630						182,630	2,173,737						2,173,737	1190%						1190%
639,731						639,731	3,679,485						3,679,485	575%						575%
79,950						79,950	60,261						60,261	75%						75%
667,638						667,638	2,584,003						2,584,003	387%						387%
0						0	0						0							
1,569,949						1,569,949	8,497,486						8,497,486	541%						541%
353,983						353,983	3,573,385						3,573,385	1009%						1009%
10,678,234						10,678,234	45,320,196						45,320,196	424%						424%
0						0	3,360,796						3,360,796							
228,000						228,000	931,231						931,231	-408%						408%
0						0	0						0							
11,260,217						11,260,217	53,185,608						53,185,608	472%						472%
4,828,682						4,828,682	0						0	0%						0%
0						0	0						0							
0						0	4,040,545						4,040,545							
4,828,682						4,828,682	4,040,545						4,040,545	84%						84%
899,701						899,701	343,883						343,883	38%						38%
899,701						899,701	343,883						343,883	38%						38%
0						0	183,513						183,513							
0						0	0						0							
0						0	6,899,972						6,899,972							
0						0	0						0							
0						0	7,083,485						7,083,485							
0						0	0						0							
n/a						0	0						0							
n/a						0	0						0							
0						0	0						0							
18,558,549						18,558,549	73,151,007						73,151,007	394%						394%
0	786,895	687,291	622,633	647,467	668,355	3,412,641	0						0							0%
0	0	0	0	0	0	0	0						0							0%
0	0	0	0	0	0	0	0						0							0%
0	392,198	313,758	235,319	235,319	235,319	1,411,913	0						0							0%
0	1,179,093	1,001,049	857,952	882,786	903,674	4,824,554	0						0							0%
0	379,268	379,268	379,268	379,268	75,854	1,592,926	0						0							0%
0	14,805,844	8,628,364	8,006,617	7,927,192	8,147,607	47,515,624	0						0							0%
0	720,382	684,363	540,287	0	0	1,945,032	0						0							0%
0	0	0	0	0	0	0	0						0							0%
0	0	0	0	0	0	0	0						0							0%
0	26,321,304	37,841,371	2,451,894	2,451,894	2,451,894	71,518,357	0						0							0%
0	0	0	0	0	0	0	0						0							0%
0	0	0	0	0	0	0	0						0							0%
0	42,226,798	47,533,366	11,378,066	10,758,354	10,675,355	122,571,939	0						0							0%
0	0	0	0	0	0	0	n/a						0	n/a						
0	0	0	0	0	0	0	n/a						0	n/a						
0	0	0	0	0	0	0	n/a						0	n/a						
0	0	0	0	0	0	0	0						0							
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Enersource Hydro Mississauga Inc. Progress

#	Programs

2011-2014+2015 Extension Legacy Framework Programs

<b>Residential Program</b>	
1	Coupon Initiative
2	Bi-Annual Retailer Event Initiative
3	Appliance Retirement Initiative
4	HVAC Incentives Initiative
5	Residential New Construction and Major Renovation Initiative
<b>Sub-total - Residential Program</b>	

<b>Commercial &amp; Institutional Program</b>	
6	Energy Audit Initiative
7	Efficiency: Equipment Replacement Incentive Initiative
8	Direct Install Lighting and Water Heating Initiative
9	New Construction and Major Renovation Initiative
10	Existing Building Commissioning Incentive Initiative
<b>Sub-total - Commercial &amp; Institutional Program</b>	

<b>Industrial Program</b>	
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
<b>Sub-total - Industrial Program</b>	

<b>Low Income Program</b>	
14	Low Income Initiative
<b>Sub-total - Low-Income Program</b>	

<b>Pilot Program</b>	
15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
<b>Sub-total - Pilot Program</b>	

<b>Other</b>	
19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
<b>Sub-total - Other</b>	

<b>Sub-total - 2011-2014+2015 Extension Legacy Framework</b>	
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2015-2020 Conservation First Framework Programs

<b>Residential Province-Wide Program</b>	
22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
<b>Sub-total - Residential Province-Wide Program</b>	

<b>Business Province-Wide Program</b>	
26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Commissioning Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
<b>Sub-total - Business Province-Wide Program</b>	

<b>Local &amp; Regional Program</b>	
34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
<b>Sub-total - Local &amp; Regional Program</b>	

<b>Pilot Program</b>	
37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - C
38	EnWin Utilities Ltd. - Building Optimization Pilot
39	EnWin Utilities Ltd. - Re-Invest Pilot
40	Horizon Utilities Corporation - ECM Furnace Motor Pilot
41	Horizon Utilities Corporation - Social Benchmarking Pilot
42	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pil
43	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot
44	Kitchener-Willmot Hydro Inc. - Pilot - DCKV
45	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agric
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic
47	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls
48	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)
49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)
50	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)
<b>Sub-total - Pilot Program</b>	

<b>Other</b>	
51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
<b>Sub-total - Other</b>	

<b>Sub-total - 2015-2020 Conservation First Framework</b>	
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<b>Total</b>	
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Net Incremental First Year Peak Demand Savings																				
CDM Plan Forecast Reported (kW)							Actual Verified (kW)					Progress vs. CDM Plan (%)								
2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total
12						12	141						141	1175%						1175%
44						44	248						248	564%						564%
67						67	9						9	13%						13%
513						513	1,355						1,355	264%						264%
0						0	0						0							
636						636	1,753						1,753	276%						276%
62						62	762						762	1229%						1229%
1,746						1,746	6,865						6,865	393%						393%
0						0	810						810							
73						73	305						305	418%						418%
0						0	0						0							
1,881						1,881	8,742						8,742	465%						465%
551						551	0						0	0%						0%
0						0	0						0							
0						0	1,232						1,232							
551						551	1,232						1,232	224%						224%
1,046						1,046	30						30	3%						3%
1,046						1,046	30						30	3%						3%
0						0	14						14							
0						0	0						0							
0						0	499						499							
0						0	0						0							
0						0	513						513							
0						0	0						0							
n/a						0	0						0							
n/a						0	0						0							
0						0	0						0							
4,114						4,114	12,270						12,270	298%						298%
0	54	47	43	45	46	235	0						0							0%
0	0	0	0	0	0	0	0						0							
0	0	0	0	0	0	0	0						0							
0	456	365	274	274	274	1,643	0						0							0%
0	510	412	317	319	320	1,878	0						0							0%
0	66	66	66	66	13	277	0						0							0%
0	1,709	1,643	1,536	1,523	1,554	7,965	0						0							0%
0	209	199	157	0	0	565	0						0							0%
0	0	0	0	0	0	0	0						0							
0	0	0	0	0	0	0	0						0							
0	3,050	4,335	280	280	280	8,225	0						0							0%
0	0	0	0	0	0	0	0						0							
0	0	0	0	0	0	0	0						0							
0	5,034	6,243	2,039	1,869	1,847	17,032	0						0							0%
0	0	0	0	0	0	0	n/a						0	n/a						
0	0	0	0	0	0	0	n/a						0	n/a						
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Net Incremental First Year Peak Demand Savings ^

## Enersource Hydro Mississauga Inc. Progress

#	Programs
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## 2011-2014+2015 Extension Legacy Framework Programs

## Residential Program

1	Coupon Initiative
2	Bi-Annual Retailer Event Initiative
3	Appliance Retirement Initiative
4	HVAC Incentives Initiative
5	Residential New Construction and Major Renovation Initiative
<b>Sub-total - Residential Program</b>	

### Commercial & Institutional Program

6	Energy Audit Initiative
7	Efficiency: Equipment Replacement Incentive Initiative
8	Direct Install Lighting and Water Heating Initiative
9	New Construction and Major Renovation Initiative
10	Existing Building Commissioning Incentive Initiative
<b>Sub-total - Commercial &amp; Institutional Program</b>	

### Industrial Program

11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
<b>Sub-total - Industrial Program</b>	

### Low Income Program

14	Low Income Initiative
<b>Sub-total - Low-Income Program</b>	

### Pilot Program

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
<b>Sub-total - Pilot Program</b>	

**Other**

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
<b>Sub-total - Other</b>	

**Sub-total - 2011-2014+2015 Extension Legacy Framework**

## 2015-2020 Conservation First Framework Programs

### Residential Province-Wide Program

22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
<b>Sub-total - Residential Province-Wide Program</b>	

### Business Province-Wide Program

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Commissioning Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
<b>Sub-total - Business Province-Wide Program</b>	

### Local & Regional Program

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
<b>Sub-total - Local &amp; Regional Program</b>	

### Pilot Program

37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - C
38	EnWIn Utilities Ltd. - Building Optimization Pilot
39	EnWIn Utilities Ltd. - Re-Invest Pilot
40	Horizon Utilities Corporation - ECM Furnace Motor Pilot
41	Horizon Utilities Corporation - Social Benchmarking Pilot
42	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pil
43	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot
44	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV
45	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agric
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydroic
47	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls
48	Toronto Hydro-Electric System Limited - Direct Install - Hydroic (Pilot Savings)
49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)
50	Toronto Hydro-Electric System Limited - PPF - Large (Pilot Savings)
<b>Sub-total - Pilot Program</b>	

**Other**

51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
<b>Sub-total - Other</b>	

<b>Sub-total - 2015-2020 Conservation First Framework</b>	
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Total	100	100	100
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Net-to-Gross and Realization Rate Adjustments - Actual Verified																											
Energy Savings												Demand Savings															
Realization Rate (%)							Net-to-Gross (%)					Realization Rate (%)							Net-to-Gross (%)								
2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total

100%						166%						100%						166%					
100%						166%						100%						166%					
100%						47%						100%						47%					
100%						37%						100%						37%					
100%						100%						100%						100%					

100%						88%						100%						88%					
97%						75%						89%						75%					
73%						86%						61%						85%					
110%						53%						99%						54%					
100%						100%						100%						100%					

100%						100%						100%						100%					
100%						100%						100%						100%					
98%						75%						127%						81%					

91%						100%						103%						100%					

100%						100%						100%						100%					
100%						100%						100%						100%					
101%						100%						100%						100%					
100%						100%						100%						100%					

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[illegible] $\wedge$ 

Net-to-Gross and Realization Rate Adjustments - Actual

#	Programs

Residential Program
1 Coupon Initiative
2 Bi-Annual Retailer Event Initiative
3 Appliance Retirement Initiative
4 HVAC Incentives Initiative
5 Residential New Construction and Major Renovation Initiative
<b>Sub-total - Residential Program</b>

6	Energy Audit Initiative
7	Efficiency: Equipment Replacement Incentive Initiative
8	Direct Install Lighting and Water Heating Initiative
9	New Construction and Major Renovation Initiative
10	Existing Building Commissioning Incentive Initiative
<b>Sub-total - Commercial &amp; Institutional Program</b>	

11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
<b>Sub-total - Industrial Program</b>	

14	Low Income Initiative
<b>Sub-total - Low-Income Program</b>	

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
<b>Sub-total - Pilot Program</b>	

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
<b>Sub-total - Other</b>	

Residential Province-Wide Program	
22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
<b>Sub-total - Residential Province-Wide Program</b>	

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Buildings Commissioning Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
	<b>Sub-total - Business Province-Wide Program</b>

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
<b>Sub-total - Local &amp; Regional Program</b>	

37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - C
38	EnWIn Utilities Ltd. - Building Optimization Pilot
39	EnWIn Utilities Ltd. - Re-Invest Pilot
40	Horizon Utilities Corporation - ECM Furnace Motor Pilot
41	Horizon Utilities Corporation - Social Benchmarking Pilot
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43	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot
44	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV
45	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agric
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic
47	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls
48	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)
49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)
50	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)
<b>Sub-total - Pilot Program</b>	

51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
<b>Sub-total - Other</b>	

1,307,624						1,307,624
2,213,416						2,213,416
127,689						127,689
7,032,064						7,032,064
0						0
10,680,793						10,680,793

4,065,425							4,065,425
60,661,571							60,661,571
3,891,869							3,891,869
1,742,163							1,742,163
0							0
70,361,028							70,361,028

0						0
0						0
5,387,393						5,387,393
5,387,393						5,387,393

343,883						343,883
343,883						343,883

183,513						183,513
0						0
6,899,972						6,899,972
0						0
7,083,485						7,083,485

0						0
0						0
0						0
0						0

93,856,582						93,856,582
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0							0
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0						0
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93,856,582						93,856,582
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**Gross Incremental First Year Energy Savings >**

85						85
149						149
19						19
3,693						3,693
0						0
3,946						3,946

867						867
9,191						9,191
955						955
560						560
0						0
<b>11,573</b>						<b>11,573</b>

0						0
0						0
1,521						1,521
1,521						1,521

30						30
30						30

14						14
0						0
499						499
0						0
513						513

0						0
0						0
0						0
0						0

17,583						17,583
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0						0
0						0
0						0
0						0
0						0

[illegible]

n/a						0
n/a						0
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0						0

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0						0
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17,583						17,583
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Gross Incremental First Year Peak Demand Savings &gt;

## Savings Group >



#	Programs

Residential Program
1 Coupon Initiative
2 Bi-Annual Retailer Event Initiative
3 Appliance Retirement Initiative
4 HVAC Incentives Initiative
5 Residential New Construction and Major Renovation Initiative
<b>Sub-total - Residential Program</b>

6	Energy Audit Initiative	
7	Efficiency: Equipment Replacement Incentive Initiative	
8	Direct Install Lighting and Water Heating Initiative	
9	New Construction and Major Renovation Initiative	
10	Existing Building Commissioning Incentive Initiative	
<b>Sub-total - Commercial &amp; Institutional Program</b>		

11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
<b>Sub-total - Industrial Program</b>	

14	Low Income Initiative
<b>Sub-total - Low-Income Program</b>	

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
<b>Sub-total - Pilot Program</b>	

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
<b>Sub-total - Other</b>	

Residential Province-Wide Program	
22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
<b>Sub-total - Residential Province-Wide Program</b>	

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Commissioning Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
<b>Sub-total - Business Province-Wide Program</b>	

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
<b>Sub-total - Local &amp; Regional Program</b>	

37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - C
38	EnWin Utilities Ltd. - Building Optimization Pilot
39	EnWin Utilities Ltd. - Re-Invest Pilot
40	Horizon Utilities Corporation - ECM Furnace Motor Pilot
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45	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agric
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic
47	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls
48	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)
49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)
50	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)
<b>Sub-total - Pilot Program</b>	

51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
<b>Sub-total - Other</b>	

[illegible]

## Participant Incentive Spending >



## Enersource Hydro Mississauga Inc. Progress

#	Programs

### 2011-2014+2015 Extension Legacy Framework Programs

### Residential Program

1	Coupon Initiative
2	Bi-Annual Retailer Event Initiative
3	Appliance Retirement Initiative
4	HVAC Incentives Initiative
5	Residential New Construction and Major Renovation Initiative
<b>Sub-total - Residential Program</b>	

**Commercial & Institutional Program**

6	Energy Audit Initiative
7	Efficiency: Equipment Replacement Incentive Initiative
8	Direct Install Lighting and Water Heating Initiative
9	New Construction and Major Renovation Initiative
10	Existing Building Commissioning Incentive Initiative
<b>Sub-total - Commercial &amp; Institutional Program</b>	

### Industrial Program

11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
<b>Sub-total - Industrial Program</b>	

### Low Income Program

14	Low Income Initiative
<b>Sub-total - Low-Income Program</b>	

### Pilot Program

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
<b>Sub-total - Pilot Program</b>	

## Other

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
<b>Sub-total - Other</b>	

[illegible]

## 2015-2020 Conservation First Framework Programs

### Residential Province-Wide Program

22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
<b>Sub-total - Residential Province-Wide Program</b>	

### Business Province-Wide Program

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Performance Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
<b>Sub-total - Business Province-Wide Program</b>	

### Local & Regional Program

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
<b>Sub-total - Local &amp; Regional Program</b>	

### Pilot Program

37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - C
38	EnWIn Utilities Ltd. - Building Optimization Pilot
39	EnWIn Utilities Ltd. - Re-Invest Pilot
40	Horizon Utilities Corporation - ECM Furnace Motor Pilot
41	Horizon Utilities Corporation - Social Benchmarking Pilot
42	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pil
43	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot
44	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV
45	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agric
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic
47	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls
48	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)
49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)
50	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)
<b>Sub-total - Pilot Program</b>	

Other

51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
<b>Sub-total - Other</b>	

**Sub-total - 2015-2020 Conservation First Framework**

	Total
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Administrative Expense Spending																					
CDM Plan Forecast (\$)							Actual Verified (\$)					Progress vs. CDM Plan (%)									
2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

0	116,679	120,179	116,679	120,179	116,679	590,395	0						0						0%
0	938,183	955,434	973,202	967,874	1,010,354	4,845,047	0						0						0%
0	182,720	185,001	181,411	0	0	549,133	0						0						0%
0	0	0	0	0	0	0	0						0						
0	0	0	0	0	0	0	0						0						
0	420,909	412,154	420,645	585,345	599,032	2,438,085	0						0						0%
0	0	0	0	0	0	0	0						0						
0	0	0	0	0	0	0	0						0						
0	1,658,490	1,672,768	1,691,938	1,673,398	1,726,065	8,422,659	0						0						0%

	0	0	0	0	0	0	0	n/a						0	n/a					
	0	0	0	0	0	0	0	n/a						0	n/a					
	0	0	0	0	0	0	0	n/a						0	n/a					
	0	0	0	0	0	0	0	n/a						0	n/a					

[illegible][illegible]

0	2,245,461	2,247,791	2,257,018	2,253,920	2,322,340	11,326,530	0					0					0%
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0	2,245,461	2,247,791	2,257,018	2,253,920	2,322,340	11,326,530	0	0	0	0	0	0						0%
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Administrative Expense Spending &gt;

#	Programs
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Residential Program
1 Coupon Initiative
2 Bi-Annual Retailer Event Initiative
3 Appliance Retirement Initiative
4 HVAC Incentives Initiative
5 Residential New Construction and Major Renovation Initiative
<b>Sub-total - Residential Program</b>

6	Energy Audit Initiative
7	Efficiency: Equipment Replacement Incentive Initiative
8	Direct Install Lighting and Water Heating Initiative
9	New Construction and Major Renovation Initiative
10	Existing Building Commissioning Incentive Initiative
<b>Sub-total - Commercial &amp; Institutional Program</b>	

11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
<b>Sub-total - Industrial Program</b>	

14	Low Income Initiative
<b>Sub-total - Low-Income Program</b>	

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
<b>Sub-total - Pilot Program</b>	

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
<b>Sub-total - Other</b>	

Residential Province-Wide Program	
22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
<b>Sub-total - Residential Province-Wide Program</b>	

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Commissioning Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
	<b>Sub-total - Business Province-Wide Program</b>

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
<b>Sub-total - Local &amp; Regional Program</b>	

37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - C
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40	Horizon Utilities Corporation - ECM Furnace Motor Pilot
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49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)
50	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)
<b>Sub-total - Pilot Program</b>	

51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
<b>Sub-total - Other</b>	

[illegible]

Total Spending &gt;

Spending Group &gt;

#	Programs
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Residential Program
1 Coupon Initiative
2 Bi-Annual Retailer Event Initiative
3 Appliance Retirement Initiative
4 HVAC Incentives Initiative
5 Residential New Construction and Major Renovation Initiative
<b>Sub-total - Residential Program</b>

6	Energy Audit Initiative	
7	Efficiency: Equipment Replacement Incentive Initiative	
8	Direct Install Lighting and Water Heating Initiative	
9	New Construction and Major Renovation Initiative	
10	Existing Building Commissioning Incentive Initiative	
<b>Sub-total - Commercial &amp; Institutional Program</b>		

11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
<b>Sub-total - Industrial Program</b>	

14	Low Income Initiative
<b>Sub-total - Low-Income Program</b>	

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
<b>Sub-total - Pilot Program</b>	

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
<b>Sub-total - Other</b>	

Residential Province-Wide Program	
22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
<b>Sub-total - Residential Province-Wide Program</b>	

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Commissioning Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Manager Program
<b>Sub-total - Business Province-Wide Program</b>	

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
<b>Sub-total - Local &amp; Regional Program</b>	

37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - C
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45	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agric
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic
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50	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)
	<b>Sub-total - Pilot Program</b>

51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
<b>Sub-total - Other</b>	

Total Resource Cost - Cost Effectiveness Test - Actual >	

Benefits (\$)							Costs (\$)							Net Benefit (\$)							Net Benefit Ratio						
2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total

n/a				0	n/a				0	n/a				0	n/a				
n/a				0	n/a				0	n/a				0	n/a				
n/a				0	n/a				0	n/a				0	n/a				
n/a				0	n/a				0	n/a				0	n/a				
n/a				0	n/a				0	n/a				0	n/a				
n/a				0	n/a				0	n/a				0	n/a				
n/a				0	n/a				0	n/a				0	n/a				
n/a				0	n/a				0	n/a				0	n/a				
0				0	0				0	0				0					

n/a					0	n/a					0	n/a					0	n/a					
n/a					0	n/a					0	n/a					0	n/a					
n/a					0	n/a					0	n/a					0	n/a					
n/a					0	n/a					0	n/a					0	n/a					

n/a						0	n/a						0	n/a						0	n/a						0
n/a						0	n/a						0	n/a						0	n/a						0
n/a						0	n/a						0	n/a						0	n/a						0
n/a						0	n/a						0	n/a						0	n/a						0
0						0	0						0	0						0	0						0

[illegible]

## Invests Group

## Cost

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Province-Wide Progress

#	Programs
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2011-2014+2015 Extension Legacy Framework Programs

Residential Program	
1	Coupon Initiative
2	Bi-Annual Retailer Event Initiative
3	Appliance Retirement Initiative
4	HVAC Incentives Initiative
5	Residential New Construction and Major Renovation Initiative
Sub-total - Residential Program	

Commercial & Institutional Program

6	Energy Audit Initiative
7	Efficiency: Equipment Replacement Incentive Initiative
8	Direct Install Lighting and Water Heating Initiative
9	New Construction and Major Renovation Initiative
10	Existing Building Commissioning Incentive Initiative
Sub-total - Commercial & Institutional Program	

Industrial Program

11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
Sub-total - Industrial Program	

Low Income Program

14	Low Income Initiative
Sub-total - Low Income Program	

Pilot Program

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
Sub-total - Pilot Program	

Other

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
Sub-total - Other	

Sub-total - 2011-2014+2015 Extension Legacy Framework

2015-2020 Conservation First Framework Programs

Residential Province-Wide Program	
22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
Sub-total - Residential Province-Wide Program	

Business Province-Wide Program

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Commissioning Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
Sub-total - Business Province-Wide Program	

Local & Regional Program

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
Sub-total - Local & Regional Program	

Pilot Program

37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - C
38	EnWin Utilities Ltd. - Building Optimization Pilot
39	EnWin Utilities Ltd. - Re-Invest Pilot
40	Horizon Utilities Corporation - ECM Furnace Motor Pilot
41	Horizon Utilities Corporation - Social Benchmarking Pilot
42	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pil
43	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot
44	Kitchener-Willmot Hydro Inc. - Pilot - DCKV
45	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agric
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic
47	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls
48	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)
49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)
50	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)
Sub-total - Pilot Program	

Other

51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
Sub-total - Other	

Sub-total - 2015-2020 Conservation First Framework

Total

	Participation																				
Unit of Measure	CDM Plan Forecast Reported (#)								Actual Verified (#)						Progress vs. CDM Plan (%)						
	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total

Measures	1,293,491						1,293,491		2,075,200						2,075,200	160%						160%
Measures	239,193						239,193		3,178,024						3,178,024	1329%						1329%
Appliances	3,613						3,613		14,733						14,733	408%						408%
Equipment	82,193						82,193		102,154						102,154	124%						124%
Homes	0						0		4,012						4,012							

Audits	219						219		356						356	163%						163%
Projects	12,750						12,750		12,547						12,547	98%						98%
Projects	16,852						16,852		18,643						18,643	111%						111%
Buildings	20,636						20,636		168						168	1%						1%
Buildings	15						15		11						11	73%						73%

Projects	89						89		12						12	13%						13%
Audits	9						9		2						2	22%						22%
Projects	132						132		424						424	321%						321%

Homes	32,506						32,506		15,494						15,494	48%						48%

Projects	0						0		18						18							
Participants	0						0		150,258						150,258							
Projects	0						0		10						10							
Projects	0						0		12						12							

Homes	0						0		1,586						1,586							
Projects	n/a						0		14						14							
	n/a						0		0						0							

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Measures	149,482	1,533,885	2,045,606	1,986,558	1,690,883	1,544,515	8,950,929		1,207,534						1,207,534	808%						13%
Equipment	8,324	83,272	70,001	62,933	63,984	63,070	351,584		20,235						20,235	243%						6%
Homes	13,332	42,669	50,506	42,748	34,718	26,943	210,916		0						0	0%						0%
Homes	7,484	36,746	36,572	34,367	33,292	30,995	179,456		1,032						1,032	14%						1%

Audits	33	271	285	284	274	250	1,397		2						2	6%						0%
Projects	1,451	15,657	17,628	14,107	12,928	10,518	72,289		811						811	56%						1%
Projects	114	20,368	22,696	15,979	13,110	12,941	85,208		0						0	0%						0%
Buildings	3	210	213	212	211	204	1,053		0						0	0%						0%
Buildings	0	17	18	18	18	18	89		0						0	0%						0%
Projects	23	755	763	758	720	697	3,716		0						0	0%						0%
Audits	0	10	5	2	2	1	20		0						0	0%						0%
Projects	6	139	145	148	147	145	730		0						0	0%						0%

Projects	0	732	1,556	535	545	530	3,898		n/a						0	n/a						0%
Projects	0	300	400	400	400	300	1,800		n/a						0	n/a						0%
Participants	0	1,089,456	1,914,876	2,435,636	2,536,005	2,535,617	10,511,590		n/a						0	n/a						0%

Projects									n/a						0							
Projects									n/a						0							
Projects									n/a						0							
Projects									n/a						0							
Participants									n/a						0							
Projects									n/a						0							
Homes									n/a						0							
Projects									n/a						0							
Projects									n/a						0							
Projects									n/a						0							
Projects									n/a						0							
Projects									n/a						0							
Projects									n/a						0							
Projects									n/a						0							
Projects									n/a						0							

									n/a						0							
									n/a						0							
									n/a						0							
									n/a						0							
									n/a						0							

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Participation ^

#	Programs
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Residential Program
1 Coupon Initiative
2 Bi-Annual Retailer Event Initiative
3 Appliance Retirement Initiative
4 HVAC Incentives Initiative
5 Residential New Construction and Major Renovation Initiative
<b>Sub-total - Residential Program</b>

6	Energy Audit Initiative
7	Efficiency: Equipment Replacement Incentive Initiative
8	Direct Install Lighting and Water Heating Initiative
9	New Construction and Major Renovation Initiative
10	Existing Building Commissioning Incentive Initiative
<b>Sub-total - Commercial &amp; Institutional Program</b>	

11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
<b>Sub-total - Industrial Program</b>	

14	Low Income Initiative
<b>Sub-total - Low-Income Program</b>	

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
<b>Sub-total - Pilot Program</b>	

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
<b>Sub-total - Other</b>	

Residential Province-Wide Program	
22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
<b>Sub-total - Residential Province-Wide Program</b>	

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Performance Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
<b>Sub-total - Business Province-Wide Program</b>	

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
<b>Sub-total - Local &amp; Regional Program</b>	

37	Ensource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - C
38	EnWin Utilities Ltd. - Building Optimization Pilot
39	EnWin Utilities Ltd. - Re-Invest Pilot
40	Horizon Utilities Corporation - ECM Furnace Motor Pilot
41	Horizon Utilities Corporation - Social Benchmarking Pilot
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43	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot
44	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV
45	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agric
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydrolic
47	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls
48	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)
49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)
50	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)
<b>Sub-total - Pilot Program</b>	

51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
<b>Sub-total - Other</b>	

Progress Towards Net 2020 Annual Energy Savings Target - (Contribution by Year)															
CDM Plan Forecast Reported (kWh)							Actual Verified (kWh)					Allocated Target (kWh)	Progress vs. Target (%)		
2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019			2020	Total
21,035,720						21,035,720	49,828,856						49,828,856		
27,592,320						27,592,320	72,999,617						72,999,617		
317,807						317,807	0						0		
35,159,491						35,159,491	45,965,427						45,965,427		
0						0	6,305,281						6,305,281		
84,105,338						84,105,338	175,099,181						175,099,181		
2,824,611						2,824,611	0						0		
421,370,270						421,370,270	648,322,776						648,322,776		
61,191,201						61,191,201	32,305,094						32,305,094		
29,093,852						29,093,852	21,792,687						21,792,687		
1,674,286						1,674,286	0						0		
516,154,220						516,154,220	702,420,557						702,420,557		
331,578,763						331,578,763	122,704,030						122,704,030		
356,288						356,288	0						0		
17,210,325						17,210,325	25,183,067						25,183,067		
349,145,376						349,145,376	147,887,097						147,887,097		
8,889,660						8,889,660	11,746,825						11,746,825		
8,889,660						8,889,660	11,746,825						11,746,825		
0						0	8,311,388						8,311,388		
0						0	0						0		
0						0	0						0		
0						0	0						0		
0						0	8,311,388						8,311,388		
0						0	3,243,409						3,243,409		
n/a						0	7,275,075						7,275,075		
n/a						0	0						0		
0						0	10,518,484						10,518,484		
958,294,594						958,294,594	1,055,983,532						1,055,983,532		
6,244,259	50,174,012	52,135,347	50,409,465	45,585,837	43,216,378	247,765,298	31,200,969						31,200,969		
2,347,079	37,406,039	30,675,176	27,751,713	28,295,451	27,814,750	154,290,208	10,181,961						10,181,961		
952,308	7,774,866	8,049,121	7,920,517	7,292,805	7,133,175	39,122,792	0						0		
1,413,841	10,785,092	11,095,404	12,605,295	14,402,363	14,227,736	64,529,731	975,736						975,736		
10,957,487	106,140,009	101,955,048	98,686,990	95,576,456	92,392,039	505,708,029	42,358,666						42,358,666		
294,892	3,290,088	13,879,164	13,572,063	13,693,127	12,151,578	56,880,912	0						0		
55,584,426	534,759,858	534,753,270	428,553,238	423,763,890	419,628,306	2,397,042,988	19,147,625						19,147,625		
410,618	63,588,379	73,395,760	57,879,500	46,967,274	46,439,579	288,681,110	0						0		
327,354	19,263,709	19,599,588	19,542,588	24,401,193	18,778,476	101,912,908	0						0		
0	2,221,667	2,471,667	2,471,667	2,471,667	2,471,667	12,108,335	0						0		
10,251,801	243,859,602	255,271,328	256,631,017	167,630,191	119,267,669	1,052,911,608	0						0		
0	9,045,544	5,023,688	1,078,144	356,288	178,144	15,681,808	0						0		
740,583	19,815,119	23,375,625	24,057,971	24,057,500	22,808,912	114,855,710	0						0		
67,609,674	895,843,966	927,770,090	803,786,188	703,341,130	641,724,331	4,040,075,379	19,147,625						19,147,625		
0	2,421,358	5,498,784	665,731	825,631	635,934	10,047,438	n/a						0		
0	826,800	1,102,400	1,102,400	1,102,400	826,800	4,960,800	n/a						0		
0	30,000	54,000	436,404	1,588,200	76,350,738	78,459,342	n/a						0		
0	3,278,158	6,655,184	2,204,535	3,516,231	77,813,472	93,467,580	0						0		
							n/a						0		
							n/a						0		
							n/a						0		
							n/a						0		
							n/a						0		
							n/a						0		
							n/a						0		
							n/a						0		
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							n/a						0		
							n/a						0		
							n/a						0		
							n/a						0		
							n/a						0		
							0						0		
78,567,161	1,005,262,133	1,036,380,322	904,677,713	802,433,817	811,929,842	4,639,250,988	61,506,291	0	0	0	0	0	61,506,291		
1,036,861,755	1,005,262,133	1,036,380,322	904,677,713	802,433,817	811,929,842	5,597,545,582	1,117,489,823	0	0	0	0	0	1,117,489,823	6,999,990,000 15.96%	

### Progress Towards 2020 Net Annual Energy Savings Target >

#	Programs
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Residential Program
1 Coupon Initiative
2 Bi-Annual Retailer Event Initiative
3 Appliance Retirement Initiative
4 HVAC Incentives Initiative
5 Residential New Construction and Major Renovation Initiative
<b>Sub-total - Residential Program</b>

6	Energy Audit Initiative
7	Efficiency: Equipment Replacement Incentive Initiative
8	Direct Install Lighting and Water Heating Initiative
9	New Construction and Major Renovation Initiative
10	Existing Building Commissioning Incentive Initiative
<b>Sub-total - Commercial &amp; Institutional Program</b>	

11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
<b>Sub-total - Industrial Program</b>	

14	Low Income Initiative
<b>Sub-total - Low-Income Program</b>	

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
<b>Sub-total - Pilot Program</b>	

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
<b>Sub-total - Other</b>	

Residential Province-Wide Program	
22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
<b>Sub-total - Residential Province-Wide Program</b>	

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Buildings Commissioning Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
	<b>Sub-total - Business Province-Wide Program</b>

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
<b>Sub-total - Local &amp; Regional Program</b>	

37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - C
38	EnWIn Utilities Ltd. - Building Optimization Pilot
39	EnWIn Utilities Ltd. - Re-Invest Pilot
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49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)
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<b>Sub-total - Pilot Program</b>	

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52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
<b>Sub-total - Other</b>	

Net Incremental First Year Energy Savings																				
CDM Plan Forecast Reported (kWh)							Actual Verified (kWh)						Annual Cumulative Progress vs. CDM Plan (%)							
2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total
21,145,720						21,145,720	50,267,679						50,267,679	238%						238%
28,087,320						28,087,320	74,495,781						74,495,781	265%						265%
1,420,382						1,420,382	6,231,034						6,231,034	439%						439%
35,159,491						35,159,491	45,965,427						45,965,427	131%						131%
0						0	6,305,281						6,305,281							
85,812,913						85,812,913	183,265,202						183,265,202	214%						214%
11,116,083						11,116,083	26,333,804						26,333,804	237%						237%
421,370,270						421,370,270	653,480,201						653,480,201	155%						155%
61,191,201						61,191,201	50,394,978						50,394,978	82%						82%
29,093,852						29,093,852	22,022,383						22,022,383	76%						76%
1,924,286						1,924,286	947,849						947,849	49%						49%
524,695,692						524,695,692	753,179,215						753,179,215	144%						144%
331,806,287						331,806,287	122,704,030						122,704,030	37%						37%
1,256,288						1,256,288	1,369,000						1,369,000	109%						109%
21,625,594						21,625,594	35,834,323						35,834,323	166%						166%
354,688,169						354,688,169	159,907,353						159,907,353	45%						45%
8,917,339						8,917,339	14,906,764						14,906,764	167%						167%
8,917,339						8,917,339	14,906,764						14,906,764	167%						167%
0						0	8,311,388						8,311,388							
0						0	17,391,939						17,391,939							
0						0	11,772,874						11,772,874							
0						0	328,828						328,828							
0						0	37,805,029						37,805,029							
0						0	3,627,223						3,627,223							
n/a						0	16,255,915						16,255,915							
n/a						0	0						0							
0						0	19,883,138						19,883,138							
974,114,113						974,114,113	1,168,946,701						1,168,946,701	120%						120%
6,244,259	50,174,012	52,135,347	50,409,465	45,585,837	43,216,378	247,765,298	31,459,586						31,459,586	504%						13%
2,347,079	37,406,039	30,675,176	27,751,713	28,295,451	27,814,750	154,290,208	10,181,961						10,181,961	434%						7%
952,308	7,774,866	8,049,121	7,920,517	7,292,805	7,133,175	39,122,792	0						0	0%						0%
1,421,144	10,816,092	11,095,404	12,605,295	14,402,363	14,227,736	64,568,034	1,145,792						1,145,792	81%						2%
10,964,790	106,171,009	101,955,048	98,686,990	95,576,456	92,392,039	505,746,332	42,787,339						42,787,339	390%						8%
1,199,165	13,523,765	14,379,164	14,172,063	13,693,127	12,151,578	69,118,862	162,592						162,592	14%						0%
55,584,426	534,759,858	534,753,270	428,553,238	423,763,890	419,628,306	2,397,042,988	19,243,297						19,243,297	35%						1%
410,618	63,588,379	73,395,760	57,879,500	46,967,274	46,439,579	288,681,110	0						0	0%						0%
327,354	19,263,709	19,599,588	19,542,588	24,401,193	18,778,476	101,912,908	0						0	0%						0%
0	2,221,667	2,471,667	2,471,667	2,471,667	2,471,667	12,108,335	0						0	0%						0%
10,251,801	244,013,300	255,271,338	256,631,027	167,630,201	119,267,669	1,053,065,336	0						0	0%						0%
0	9,045,544	5,023,688	1,078,144	356,288	178,144	15,681,808	0						0	0%						0%
740,583	22,509,192	23,375,625	24,057,971	24,057,500	22,808,912	117,549,783	0						0	0%						0%
68,513,947	908,925,414	928,270,100	804,386,198	703,341,140	641,724,331	4,055,161,130	19,405,889						19,405,889	28%						0%
0	2,448,730	5,548,937	715,884	875,784	635,934	10,225,269	n/a						0	n/a						0%
0	826,800	1,102,400	1,102,400	1,102,400	826,800	4,960,800	n/a						0	n/a						0%
0	44,571,820	63,353,167	65,106,690	73,526,874	76,350,738	322,909,289	n/a						0	n/a						0%
0	47,847,350	70,004,504	66,924,974	75,505,058	77,813,472	338,095,358	0						0	n/a						0%
							n/a						0							
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							n/a						0							

### Net Incremental First Year Energy Savings >



#	Programs

Residential Program
1 Coupon Initiative
2 Bi-Annual Retailer Event Initiative
3 Appliance Retirement Initiative
4 HVAC Incentives Initiative
5 Residential New Construction and Major Renovation Initiative
<b>Sub-total - Residential Program</b>

6	Energy Audit Initiative
7	Efficiency: Equipment Replacement Incentive Initiative
8	Direct Install Lighting and Water Heating Initiative
9	New Construction and Major Renovation Initiative
10	Existing Building Commissioning Incentive Initiative
<b>Sub-total - Commercial &amp; Institutional Program</b>	

11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
<b>Sub-total - Industrial Program</b>	

14	Low Income Initiative
<b>Sub-total - Low-Income Program</b>	

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
<b>Sub-total - Pilot Program</b>	

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
<b>Sub-total - Other</b>	

Residential Province-Wide Program	
22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
<b>Sub-total - Residential Province-Wide Program</b>	

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Commissioning Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
<b>Sub-total - Business Province-Wide Program</b>	

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
<b>Sub-total - Local &amp; Regional Program</b>	

37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - C
38	EnWIn Utilities Ltd. - Building Optimization Pilot
39	EnWIn Utilities Ltd. - Re-Invest Pilot
40	Horizon Utilities Corporation - ECM Furnace Motor Pilot
41	Horizon Utilities Corporation - Social Benchmarking Pilot
42	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pil
43	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot
44	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV
45	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agric
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls
47	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls
48	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)
49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)
50	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)
<b>Sub-total - Pilot Program</b>	

51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
<b>Sub-total - Other</b>	

Net Incremental First Year Peak Demand Savings																				
CDM Plan Forecast Reported (kW)							Actual Verified (kW)						Progress vs. CDM Plan (%)							
2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total
1,426						1,426	3,285						3,285	230%						230%
1,917						1,917	5,100						5,100	266%						266%
1,036						1,036	1,027						1,027	99%						99%
20,618						20,618	24,035						24,035	117%						117%
0						0	1,113						1,113							
24,997						24,997	34,560						34,560	138%						138%
1,821						1,821	5,614						5,614	308%						308%
70,109						70,109	93,596						93,596	134%						134%
16,601						16,601	11,893						11,893	72%						72%
5,495						5,495	5,222						5,222	95%						95%
783						783	437						437	56%						56%
94,809						94,809	116,762						116,762	123%						123%
44,236						44,236	13,649						13,649	31%						31%
143						143	0						0	0%						0%
3,791						3,791	7,590						7,590	200%						200%
48,170						48,170	21,239						21,239	44%						44%
7,758						7,758	2,225						2,225	29%						29%
7,758						7,758	2,225						2,225	29%						29%
0						0	724						724							
0						0	1,649						1,649							
0						0	1,055						1,055							
0						0	0						0							
0						0	3,428						3,428							
0						0	625						625							
n/a						0	1,145						1,145							
n/a						0	0						0							
0						0	1,770						1,770							
175,734						175,734	179,984						179,984	102%						102%
416	3,539	3,685	3,569	3,248	3,090	17,547	2,025						2,025	487%						12%
1,806	18,347	13,914	11,980	12,104	11,834	69,985	5,322						5,322	295%						8%
87	1,393	1,375	1,420	1,366	1,408	7,049	0						0	0%						0%
313	6,559	6,435	6,295	6,245	6,215	32,062	213						213	68%						1%
2,622	29,838	25,409	23,264	22,963	22,547	126,643	7,560						7,560	288%						6%
205	2,241	2,394	2,357	2,278	2,015	11,490	35						35	17%						0%
9,937	80,144	83,912	71,001	71,370	71,359	387,723	2,828						2,828	28%						1%
119	16,459	18,087	14,685	12,429	12,219	73,998	0						0	0%						0%
44	4,202	4,316	4,298	4,546	4,149	21,555	0						0	0%						0%
0	945	1,057	1,057	1,057	1,057	5,173	0						0	0%						0%
1,221	29,166	28,760	28,010	20,416	15,277	122,850	0						0	0%						0%
0	1,323	503	123	41	20	2,010	0						0	0%						0%
90	3,581	3,673	3,816	3,816	3,673	18,649	0						0	0%						0%
11,616	138,061	142,702	125,347	115,953	109,769	643,448	2,863						2,863	25%						0%
0	333	755	94	114	84	1,380	n/a						0	n/a						0%
0	131	175	175	175	131	787	n/a						0	n/a						0%
0	7,426	9,895	10,316	11,613	11,925	51,175	n/a						0	n/a						0%
0	7,890	10,825	10,585	11,902	12,140	53,342	0						0							0%
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## Province-Wide Progress

#	Programs
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## 2011-2014+2015 Extension Legacy Framework Programs

## Residential Program

1	Coupon Initiative
2	Bi-Annual Retailer Event Initiative
3	Appliance Retirement Initiative
4	HVAC Incentives Initiative
5	Residential New Construction and Major Renovation Initiative
<b>Sub-total - Residential Program</b>	

### Commercial & Institutional Program

6	Energy Audit Initiative
7	Efficiency: Equipment Replacement Incentive Initiative
8	Direct Install Lighting and Water Heating Initiative
9	New Construction and Major Renovation Initiative
10	Existing Building Commissioning Incentive Initiative
<b>Sub-total - Commercial &amp; Institutional Program</b>	

### Industrial Program

11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
<b>Sub-total - Industrial Program</b>	

### Low Income Program

14	Low Income Initiative
<b>Sub-total - Low-Income Program</b>	

### Pilot Program

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
<b>Sub-total - Pilot Program</b>	

**Other**

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
<b>Sub-total - Other</b>	

**Sub-total - 2011-2014+2015 Extension Legacy Framework**

## 2015-2020 Conservation First Framework Programs

### Residential Province-Wide Program

22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
<b>Sub-total - Residential Province-Wide Program</b>	

### Business Province-Wide Program

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Performance Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
<b>Sub-total - Business Province-Wide Program</b>	

### Local & Regional Program

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
<b>Sub-total - Local &amp; Regional Program</b>	

### Pilot Program

37	Ensource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - C
38	EnWin Utilities Ltd. - Building Optimization Pilot
39	EnWin Utilities Ltd. - Re-Invest Pilot
40	Horizon Utilities Corporation - ECM Furnace Motor Pilot
41	Horizon Utilities Corporation - Social Benchmarking Pilot
42	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pil
43	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot
44	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV
45	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agric
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydrolic
47	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls
48	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)
49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)
50	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)
<b>Sub-total - Pilot Program</b>	

**Other**

51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
<b>Sub-total - Other</b>	

<b>Sub-total - 2015-2020 Conservation First Framework</b>	
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Total	100	100	100
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Net-to-Gross and Realization Rate Adjustments - Actual Verified																											
Energy Savings												Demand Savings															
Realization Rate (%)							Net-to-Gross (%)					Realization Rate (%)							Net-to-Gross (%)								
2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total

100%						164%						100%						164%					
100%						164%						100%						164%					
100%						47%						100%						46%					
100%						51%						100%						51%					
76%						49%						187%						49%					

100%						89%						100%						89%					
99%						77%						90%						76%					
71%						89%						59%						87%					
98%						54%						92%						54%					
100%						95%						137%						92%					

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87%						100%						95%						100%					

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Net-to-Gross and Realization Rate Adjustments - Actual





## Province-Wide Progress

#	Programs
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### 2011-2014+2015 Extension Legacy Framework Programs

### Residential Program

1	Coupon Initiative
2	Bi-Annual Retailer Event Initiative
3	Appliance Retirement Initiative
4	HVAC Incentives Initiative
5	Residential New Construction and Major Renovation Initiative
<b>Sub-total - Residential Program</b>	

### Commercial & Institutional Program

6	Energy Audit Initiative
7	Efficiency: Equipment Replacement Incentive Initiative
8	Direct Install Lighting and Water Heating Initiative
9	New Construction and Major Renovation Initiative
10	Existing Building Commissioning Incentive Initiative
<b>Sub-total - Commercial &amp; Institutional Program</b>	

## Industrial Program

11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
<b>Sub-total - Industrial Program</b>	

### Low Income Program

14	Low Income Initiative
<b>Sub-total - Low-Income Program</b>	

### Pilot Program

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
<b>Sub-total - Pilot Program</b>	

**Other**

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
<b>Sub-total - Other</b>	

**Sub-total - 2011-2014+2015 Extension Legacy Framework**

## 2015-2020 Conservation First Framework Programs

**Residential Province-Wide Program**

22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
<b>Sub-total - Residential Province-Wide Program</b>	

### Business Province-Wide Program

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Commissioning Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
	<b>Sub-total - Business Province-Wide Program</b>

### Local & Regional Program

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
<b>Sub-total - Local &amp; Regional Program</b>	

### Pilot Program

37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - C
38	EnWIn Utilities Ltd. - Building Optimization Pilot
39	EnWIn Utilities Ltd. - Re-Invest Pilot
40	Horizon Utilities Corporation - ECM Furnace Motor Pilot
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42	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pil
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50	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)
<b>Sub-total - Pilot Program</b>	

Other

51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
<b>Sub-total - Other</b>	

<b>Sub-total - 2015-2020 Conservation First Framework</b>	
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Total	100	100	100
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## Participant Incentive Spending >

## Province-Wide Progress

#	Programs
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## 2011-2014+2015 Extension Legacy Framework Programs

### Residential Program

1	Coupon Initiative
2	Bi-Annual Retailer Event Initiative
3	Appliance Retirement Initiative
4	HVAC Incentives Initiative
5	Residential New Construction and Major Renovation Initiative
<b>Sub-total - Residential Program</b>	

### Commercial & Institutional Program

6	Energy Audit Initiative
7	Efficiency: Equipment Replacement Incentive Initiative
8	Direct Install Lighting and Water Heating Initiative
9	New Construction and Major Renovation Initiative
10	Existing Building Commissioning Incentive Initiative
<b>Sub-total - Commercial &amp; Institutional Program</b>	

### Industrial Program

11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
<b>Sub-total - Industrial Program</b>	

### Low Income Program

14	Low Income Initiative
<b>Sub-total - Low-Income Program</b>	

### Pilot Program

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
<b>Sub-total - Pilot Program</b>	

**Other**

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
<b>Sub-total - Other</b>	

**Sub-total - 2011-2014+2015 Extension Legacy Framework**

## 2015-2020 Conservation First Framework Programs

### Residential Province-Wide Program

22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
<b>Sub-total - Residential Province-Wide Program</b>	

### Business Province-Wide Program

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Commissioning Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
<b>Sub-total - Business Province-Wide Program</b>	

### Local & Regional Program

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
<b>Sub-total - Local &amp; Regional Program</b>	

### Pilot Program

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39	EnWIn Utilities Ltd. - Re-Invest Pilot
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<b>Sub-total - Pilot Program</b>	

**Other**

51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
<b>Sub-total - Other</b>	

<b>Sub-total - 2015-2020 Conservation First Framework</b>	
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Total	100	100	100
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Administrative Expense Spending																				
CDM Plan Forecast (\$)							Actual Verified (\$)						Progress vs. CDM Plan (%)							
2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total

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638,410	8,428,919	10,273,194	10,250,022	9,306,555	8,588,305	47,485,406	1,577,289					1,577,289	247%				3%
420,606	5,847,820	5,545,394	4,852,144	4,933,782	4,844,901	26,444,647	466,132					466,132	111%				2%
255,177	1,551,259	1,496,832	1,498,192	1,386,160	1,378,703	7,566,322	16,829					16,829	7%				0%
1,755,621	7,045,133	7,252,528	7,032,346	6,736,996	6,538,523	36,361,147	149,262					149,262	9%				0%
3,069,814	22,873,132	24,567,948	23,632,703	22,363,494	21,350,432	117,857,122	2,209,514					2,209,514	72%				2%

314,965	1,944,277	1,964,949	2,010,284	1,997,225	1,990,171	10,221,871	167,592					167,592	53%		2%
11,005,756	40,215,167	39,404,225	39,906,451	40,715,058	41,326,512	212,573,170	5,895,425					5,895,425	54%		3%
321,264	11,971,386	12,887,559	9,707,279	7,893,971	7,729,994	50,511,452	0					0	0%		0%
366,994	2,907,933	3,019,009	3,061,203	3,395,615	3,070,797	15,821,551	148,817					148,817	41%		1%
25,314	302,183	299,453	305,492	309,810	300,636	1,542,889	0					0	0%		0%
1,538,726	6,647,149	6,490,249	6,629,200	7,240,876	7,124,544	35,670,745	341,070					341,070	22%		1%
10,000	134,879	137,772	113,728	70,366	70,641	537,385	9,180					9,180	92%		2%
484,790	4,394,908	4,411,791	4,492,839	4,515,396	4,466,328	22,766,051	156,835					156,835	32%		1%
<b>14,067,809</b>	<b>68,517,881</b>	<b>68,615,007</b>	<b>66,226,476</b>	<b>66,138,318</b>	<b>66,079,623</b>	<b>349,645,113</b>	<b>6,718,919</b>					<b>6,718,919</b>	<b>48%</b>		<b>2%</b>

173,152	251,773	669,769	46,474	57,024	45,306	1,243,498	n/a					0	n/a				0%
0	1,700,000	2,000,000	2,000,000	2,000,000	1,500,000	9,200,000	n/a					0	n/a				0%
119,166	4,957,207	5,814,158	5,772,302	6,342,957	6,602,570	29,608,360	n/a					0	n/a				0%
292,318	6,908,980	8,483,927	7,818,776	8,399,982	8,147,876	40,051,858	n/a					0	n/a				0%

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17,429,941	98,299,992	101,666,881	97,677,956	96,901,793	95,577,930	507,554,493	8,928,433					8,928,433	51%					2%
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17,429,941	98,299,992	101,666,881	97,677,956	96,901,793	95,577,930	507,554,493	8,928,433							8,928,433	51%							2%
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Administrative Expense

## Province-Wide Progress

#	Programs
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## 2011-2014+2015 Extension Legacy Framework Programs

### Residential Program

1	Coupon Initiative
2	Bi-Annual Retailer Event Initiative
3	Appliance Retirement Initiative
4	HVAC Incentives Initiative
5	Residential New Construction and Major Renovation Initiative
<b>Sub-total - Residential Program</b>	

## Commercial &amp; Institutional Program

6	Energy Audit Initiative
7	Efficiency: Equipment Replacement Incentive Initiative
8	Direct Install Lighting and Water Heating Initiative
9	New Construction and Major Renovation Initiative
10	Existing Building Commissioning Incentive Initiative
<b>Sub-total - Commercial &amp; Institutional Program</b>	

### Industrial Program

11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
<b>Sub-total - Industrial Program</b>	

### Low Income Program

14	Low Income Initiative
<b>Sub-total - Low-Income Program</b>	

### Pilot Program

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
<b>Sub-total - Pilot Program</b>	

## Other

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
<b>Sub-total - Other</b>	

**Sub-total - 2011-2014+2015 Extension Legacy Framework**

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2015-2020 Conservation First Framework Programs	
Residential Province-Wide Program	
22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
<b>Sub-total - Residential Province-Wide Program</b>	

### Business Province-Wide Program

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Commissioning Program
31	Save on Energy Grades & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
<b>Sub-total - Business Province-Wide Program</b>	

### Local & Regional Program

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
<b>Sub-total - Local &amp; Regional Program</b>	

### Pilot Program

37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - C
38	EnWin Utilities Ltd. - Building Optimization Pilot
39	EnWin Utilities Ltd. - Re-Invest Pilot
40	Horizon Utilities Corporation - ECM Furnace Motor Pilot
41	Horizon Utilities Corporation - Social Benchmarking Pilot
42	Hydro Ottawa Limited - Conservation Voluntary Regulation (CVR) Leveraging AMI Data Pil
43	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot
44	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV
45	Nagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agric
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic
47	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls
48	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)
49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)
50	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)
<b>Sub-total - Pilot Program</b>	

Other

51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
	<b>Sub-total - Other</b>

**Sub-total - 2015-2020 Conservation First Framework**

Total	100	100	100
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1,475,151	14,906,922	16,506,638	16,334,987	15,093,111	14,234,601	<b>78,551,411</b>	5,423,283					<b>5,423,283</b>	368%		<b>7%</b>	
3,036,108	30,343,575	22,362,955	19,588,095	19,964,398	19,549,976	<b>114,845,107</b>	6,679,382					<b>6,679,382</b>	220%		<b>6%</b>	
468,668	4,207,609	4,167,821	4,200,055	3,853,979	3,864,621	<b>20,762,753</b>	16,829					<b>16,829</b>	4%		<b>0%</b>	
2,709,461	12,043,218	12,243,938	12,234,543	12,349,886	12,083,188	<b>63,664,235</b>	902,421					<b>902,421</b>	33%		<b>1%</b>	
<b>7,689,389</b>	<b>61,501,324</b>	<b>55,281,352</b>	<b>52,357,679</b>	<b>51,261,375</b>	<b>49,732,387</b>	<b>277,823,505</b>	<b>13,021,916</b>					<b>13,021,916</b>	<b>169%</b>		<b>5%</b>	

468,323	3,487,030	3,580,648	3,623,691	3,554,978	3,421,706	18,136,376	174,012					174,012	37%		1%
20,416,067	134,562,105	131,877,128	113,384,910	112,133,828	112,032,783	624,406,822	8,557,844					8,557,844	42%		1%
466,956	31,200,612	34,660,648	28,105,025	23,077,122	22,703,429	140,213,792	0					0	0%		0%
474,323	11,283,971	11,473,298	11,451,676	12,286,014	11,303,543	58,272,824	148,817					148,817	31%		0%
25,314	1,075,496	1,072,766	1,078,805	1,083,124	1,073,950	5,409,455	0					0	0%		0%
3,568,224	55,825,208	59,709,682	59,519,440	40,926,326	32,109,738	251,658,619	357,962					357,962	10%		0%
10,000	622,379	437,772	226,228	145,366	108,141	1,549,885	9,180					9,180	92%		1%
1,084,790	7,571,459	7,708,357	8,004,765	7,947,336	7,710,282	40,026,988	156,835					156,835	14%		0%
26,513,997	245,628,261	250,520,299	225,394,540	201,154,094	190,463,572	1,139,674,762	9,404,650					9,404,650	35%		1%

173,152	902,065	2,165,231	121,474	157,024	107,806	3,626,752	n/a					0	n/a				0%	
0	3,200,000	4,000,000	4,000,000	4,000,000	3,000,000	18,200,000	n/a					0	n/a				0%	
119,166	4,957,207	5,814,158	5,922,302	6,852,957	7,652,570	31,318,360	n/a					0	n/a				0%	
<b>292,318</b>	<b>9,059,272</b>	<b>11,979,389</b>	<b>10,043,776</b>	<b>11,009,982</b>	<b>10,760,376</b>	<b>53,145,112</b>	<b>n/a</b>					<b>0</b>	<b>n/a</b>				<b>0%</b>	

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34,495,704	316,188,856	317,781,039	287,795,996	263,425,450	250,956,335	1,470,643,380	22,426,566					22,426,566	65%					2%	
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34,495,704	316,188,856	317,781,039	287,795,996	263,425,450	250,956,335	1,470,643,380	22,426,566					22,426,566	65%				2%	1,835,264,933	1.22%
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Final 2015 Annual Verified Results Report  
June 30, 2016

Province-Wide Progress

#	Programs

2011-2014+2015 Extension Legacy Framework Programs

<b>Residential Program</b>	
1	Coupon Initiative
2	Bi-Annual Retailer Event Initiative
3	Appliance Retirement Initiative
4	HVAC Incentives Initiative
5	Residential New Construction and Major Renovation Initiative
<b>Sub-total - Residential Program</b>	

Commercial & Institutional Program

6	Energy Audit Initiative
7	Efficiency: Equipment Replacement Incentive Initiative
8	Direct Install Lighting and Water Heating Initiative
9	New Construction and Major Renovation Initiative
10	Existing Building Commissioning Incentive Initiative
<b>Sub-total - Commercial &amp; Institutional Program</b>	

Industrial Program

11	Process and Systems Upgrades Initiatives - Project Incentive Initiative
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative
<b>Sub-total - Industrial Program</b>	

Low Income Program

14	Low Income Initiative
<b>Sub-total - Low-Income Program</b>	

Pilot Program

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
<b>Sub-total - Pilot Program</b>	

Other

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
<b>Sub-total - Other</b>	

Sub-total - 2011-2014+2015 Extension Legacy Framework

2015-2020 Conservation First Framework Programs

<b>Residential Province-Wide Program</b>	
22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
<b>Sub-total - Residential Province-Wide Program</b>	

Business Province-Wide Program

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Commissioning Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
<b>Sub-total - Business Province-Wide Program</b>	

Local & Regional Program

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
<b>Sub-total - Local &amp; Regional Program</b>	

Pilot Program

37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - O
38	EnWin Utilities Ltd. - Building Optimization Pilot
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<b>Sub-total - Pilot Program</b>	

Other

51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
<b>Sub-total - Other</b>	

Sub-total - 2015-2020 Conservation First Framework

<b>Total</b>	
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Total Resource Cost - Cost Effectiveness Test - Actual Verified																											
Benefits (\$)						Costs (\$)						Net Benefit (\$)						Net Benefit Ratio									
2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total







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n/a					0	n/a					0	n/a				0	n/a								
n/a					0	n/a					0	n													

# Final 2015 Annual Verified Results Report

## IESO Value Added Services Costs (as of March 31, 2016)

# Reporting Level		Program	Unit of Measure	Units (#)								Administrative Expenses (\$)							
				2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total		
1	Enersource Hydro Mississauga Inc.	Save on Energy Coupon Program	Coupons	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2		Save on Energy Heating and Cooling Program	Applications	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total				0	0	0	0	0	0	0	0	0	0	0	0	0	0		
3	Province Wide	Save on Energy Coupon Program	Coupons	785,625	0	0	0	0	0	785,625	1,374,844	0	0	0	0	0	1,374,844		
4		Save on Energy Heating and Cooling Program	Applications	20,446	0	0	0	0	0	20,446	265,798	0	0	0	0	0	265,798		
Total				806,071	0	0	0	0	0	806,071	1,640,642	0	0	0	0	0	1,640,642		

## Final 2015 Annual Verified Results Report Methodology

### General

All results are at the end-user level (not including transmission and distribution losses) and are based on activity completed on or after January 1, 2015 and on or before December 31, 2015 and reported to IESO by March 31, 2016.

### Savings Calculations

#	Project Type	Equations
1	Prescriptive Measures and Projects Programs	<b>Gross Reported Savings</b> = Activity * Per Unit Assumption Savings <b>Gross Verified Savings</b> = Gross Reported Savings * Realization Rate <b>Net Verified Savings</b> = Gross Verified 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)
2	Engineered and Custom Projects / Programs	<b>Gross Reported Savings</b> = Reported Savings <b>Gross Verified Savings</b> = Gross Reported Savings * Realization Rate <b>Net Verified Savings</b> = Gross Verified 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)
3	Adjustments to Previous Years' Verified Results	All variances from the Final Annual Results Reports from prior years will be adjusted within this report. Any variances with regards to projects counts, data lag, and calculations etc., will be made within this report. Considers the annual effect of energy savings.

### 2011-2014+2015 Extension Legacy Framework Initiatives

#	Initiative	Attributing Savings to LDCs	Project List Date	Savings 'start' Date	Calculating Resource Savings
1	saveONenergy Conservation Instant Coupon Booklet	LDC-coded coupons directly attributed to LDC. Otherwise results are allocated based on average of 2008 & 2009 residential throughput.	March 31, 2016	Savings are considered to begin in the year in which the coupon was redeemed.	<b>Peak demand and energy savings</b> 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	saveONenergy BI-Annual Retailer Event	Results are allocated based on average of 2008 & 2009 residential throughput.	March 31, 2016	Savings are considered to begin in the year in which the event occurs.	
3	saveONenergy 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.	March 31, 2016	Savings are considered to begin in the year the appliance is picked up.	
4	saveONenergy HVAC Incentives	Results directly attributed to LDC based on customer applications and postal code.	March 31, 2016	Savings are considered to begin in the year that the installation occurred.	
5	saveONenergy Residential New Construction	Results are directly attributed to LDC based on LDC identified in application in the iCon system.	March 31, 2016	Savings are considered to begin in the year of the project completion date.	
6	saveONenergy Energy Audit	Projects are directly attributed to LDC based on LDC identified in the application.	March 31, 2016	Savings are considered to begin in the year of the audit date.	<b>Peak demand and energy savings</b> 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).
7	saveONenergy Efficiency: Equipment Replacement	Results are directly attributed to LDC based on LDC identified at the facility level in the iCon system.  Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"). Please see page for Building type to Sector mapping.	March 31, 2016	Savings are considered to begin in the year of the actual project completion date in the iCon system.	<b>Peak demand and energy savings</b> are determined by the total savings for a given project as reported in the iCon system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
<b>Additional Note:</b> project counts were derived by filtering out invalid statuses (e.g. Post-Project Submission - Payment denied by LDC) and only including projects with an "Actual Project Completion Date" in 2014)					
9	saveONenergy Direct Installed Lighting	Results are directly attributed to LDC based on the LDC specified on the work order.	March 31, 2016	Savings are considered to begin in the year of the actual project completion date.	<b>Peak demand and energy savings</b> 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).
10	saveONenergy New Construction and Major Renovation Incentive	Results are directly attributed to LDC based on LDC identified in the application.	March 31, 2016	Savings are considered to begin in the year in which the incentive project was completed.	<b>Peak demand and energy savings</b> 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).
11	saveONenergy Existing Building Commissioning Incentive		March 31, 2016		
12	saveONenergy Process & System Upgrades	Results are directly attributed to LDC based on LDC identified in application.	March 31, 2016	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.	<b>Peak demand and energy savings</b> 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).
13	saveONenergy Monitoring & Targeting		March 31, 2016		
14	saveONenergy Energy Manager		March 31, 2016		
14	saveONenergy Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	March 31, 2016	Savings are considered to begin in the year in which the measures were installed.	<b>Peak demand and energy savings</b> 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.
15	Aboriginal Conservation Program		March 31, 2016		



# 2015-2020 Conservation First Framework Programs

#	Program	Attributing Savings to LDCs	Project List Date	Savings 'Start' Date	Calculating Resource Savings
1	Save on Energy Coupon Program	LDC-coded coupons directly attributed to LDC; Otherwise results are allocated based on average of 2008 & 2009 residential throughput.	March 31, 2016	Savings are considered to begin in the year in which the coupon was redeemed.	<b>Peak demand and energy savings</b> 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	Save on Energy Heating and Cooling Program	Results directly attributed to LDC based on customer applications and postal code.  LDCs may see additional participation, savings and spending relative to the March 2016 Value Added Services Report due to previously unassigned applications completed in 2015. Adjustments to reflect final 2015 verified participation will appear in your July 2016 Value Added Services Report to be issued on August 15, 2016	March 31, 2016	Savings are considered to begin in the year that the installation occurred.	
3	Save on Energy New Construction Program	Results are directly attributed to LDC based on LDC identified in CDM LDC Report Template.	March 31, 2016	Savings are considered to begin in the year of the project completion date.	
4	Save on Energy Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	March 31, 2016	Savings are considered to begin in the year in which the measures were installed.	
5	Save on Energy Audit Funding Program	Projects are directly attributed to LDC based on LDC identified in the application.	March 31, 2016	Savings are considered to begin in the year of the audit date.	<b>Peak demand and energy savings</b> 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).
6	Save on Energy Retrofit Program	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 page for Building type to Sector mapping.	March 31, 2016	Savings are considered to begin in the year of the actual project completion date as reported in the CDM LDC Report Template	<b>Peak demand and energy savings</b> are determined by the total savings for a given project as reported in the ICON system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
7	Save on Energy Small Business Lighting Program	Results are directly attributed to LDC based on the LDC specified on the work order.	March 31, 2016	Savings are considered to begin in the year of the actual project completion date.	<b>Peak demand and energy savings</b> 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 takes into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
8	Save on Energy High Performance New Construction Program	Results are directly attributed to LDC based on LDC identified in the application.	March 31, 2016		<b>Peak demand and energy savings</b> are determined by the total savings for a given project as reported in the CDM LDC Report Template. Preliminary unverified net savings are calculated by multiplying reported savings by 2014 Net-to-gross ratios and realization rates.
9	Save on Energy Existing Building Commissioning Program		March 31, 2016		
10	Save on Energy Process and Systems Upgrades Program	Results are directly attributed to LDC based on LDC identified in application.	March 31, 2016	Savings are considered to begin in the year in which the project was in-service.	<b>Peak demand and energy savings</b> 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).
11	Save on Energy Monitoring and Targeting Program	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, no completed projects in 2011, 2012 or 2013.	March 31, 2016	Savings are considered to begin in the year in which the incentive project was completed.	
12	Save on Energy Energy Manager Program	Results are directly attributed to LDC based on LDC identified in the application.	March 31, 2016	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.	
13	Business Refrigeration Incentive Program	Results are directly attributed to LDC based on LDC identified in the application.	March 31, 2016	Savings are considered to begin in the year in which the measures were installed.	<b>Peak demand and energy savings</b> 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 takes into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
14	Social Benchmarking Program		March 31, 2016	Savings are considered to begin in the year in which the report was sent.	<b>Peak demand and energy savings</b> are determined using the verified measure level (home) 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 (home).
15	First Nations Conservation Program		March 31, 2016	Savings are considered to begin in the year in which the measures were installed.	<b>Peak demand and energy savings</b> 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.

## IESO Value Added Services Costs

- 1) IESO Value Added Services Costs are based on activity reported as of March 31, 2016.
- 2) Save on Energy Heating & Cooling Program activity may be greater than the March 2016 IESO Value Added Services Report due to previously unassigned applications being assigned to LDCs through the Evaluation, Measurement & Verification Process based on updated applicant postal code mappings. These additional applications and costs will be reflected in the July 2016 IESO Value Added Services Report.
- 3) Future years may include adjustments to prior years based on delays of Value-Added Service report submissions to IESO from IESO Value-Added Service providers.
- 4) IESO Value Added Services costs are calculated based on the prevailing IESO Value Added Services Rates as per the applicable IESO Central Services Strategy and Rate Guideline.



# Final 2015 Annual Verified Results Report

## Consumer Program Allocation Methodology

#	Local Distribution Company	Allocation
1	Algoma Power Inc.	0.2207%
2	Atikokan Hydro Inc.	0.0265%
3	Attawapiskat Power Corporation	0.0255%
4	Bluewater Power Distribution Corporation	0.6460%
5	Brant County Power Inc.	0.1979%
6	Brantford Power Inc.	0.7255%
7	Burlington Hydro Inc.	1.3757%
8	Cambridge and North Dumfries Hydro Inc.	0.9578%
9	Canadian Niagara Power Inc.	0.5110%
10	Centre Wellington Hydro Ltd.	0.1129%
11	Chapleau Public Utilities Corporation	0.0379%
12	COLLUS PowerStream Corp.	0.2858%
13	Cooperative Hydro Embrun Inc.	0.0494%
14	E.L.K. Energy Inc.	0.2270%
15	Enersource Hydro Mississauga Inc.	3.9265%
16	Entegrus Powerlines Inc.	0.7226%
17	EnWin Utilities Ltd.	1.5542%
18	Erie Thames Powerlines Corporation	0.3535%
19	Espanola Regional Hydro Distribution Corporation	0.0821%
20	Essex Powerlines Corporation	0.6539%
21	Festival Hydro Inc.	0.3498%
22	Fort Albany Power Corporation	0.0212%

23	Fort Frances Power Corporation	0.0995%
24	Greater Sudbury Hydro Inc.	1.0276%
25	Grimsby Power Incorporated	0.2279%
26	Guelph Hydro Electric Systems Inc.	0.8983%
27	Haldimand County Hydro Inc.	0.4244%
28	Halton Hills Hydro Inc.	0.5475%
29	Hearst Power Distribution Company Limited	0.0667%
30	Horizon Utilities Corporation	4.0429%
31	Hydro 2000 Inc.	0.0390%
32	Hydro Hawkesbury Inc.	0.1394%
33	Hydro One Brampton Networks Inc.	2.8180%
34	Hydro One Networks Inc.	29.9788%
35	Hydro Ottawa Limited	5.5954%
36	InnPower Corporation	0.3951%
37	Kashechewan Power Corporation	0.0286%
38	Kenora Hydro Electric Corporation Ltd.	0.0989%
39	Kingston Hydro Corporation	0.5014%
40	Kitchener-Wilmot Hydro Inc.	1.6310%
41	Lakefront Utilities Inc.	0.1907%
42	Lakeland Power Distribution Ltd.	0.2906%
43	London Hydro Inc.	2.7308%
44	Midland Power Utility Corporation	0.1196%
45	Milton Hydro Distribution Inc.	0.5695%
46	Newmarket-Tay Power Distribution Ltd.	0.6607%
47	Niagara Peninsula Energy Inc.	0.9945%
48	Niagara-on-the-Lake Hydro Inc.	0.1586%
49	Norfolk Power Distribution Inc.	0.3495%
50	North Bay Hydro Distribution Limited	0.5333%

51	Northern Ontario Wires Inc.	0.1061%
52	Oakville Hydro Electricity Distribution Inc.	1.4632%
53	Orangeville Hydro Limited	0.2120%
54	Orillia Power Distribution Corporation	0.2722%
55	Oshawa PUC Networks Inc.	1.2283%
56	Ottawa River Power Corporation	0.1974%
57	Peterborough Distribution Incorporated	0.7132%
58	PowerStream Inc.	6.6383%
59	PUC Distribution Inc.	0.8687%
60	Renfrew Hydro Inc.	0.0775%
61	Rideau St. Lawrence Distribution Inc.	0.1120%
62	Sioux Lookout Hydro Inc.	0.0841%
63	St. Thomas Energy Inc.	0.2939%
64	Thunder Bay Hydro Electricity Distribution Inc.	0.8738%
65	Tillsonburg Hydro Inc.	0.1280%
66	Toronto Hydro-Electric System Limited	12.7979%
67	Veridian Connections Inc.	2.3525%
68	Wasaga Distribution Inc.	0.1799%
69	Waterloo North Hydro Inc.	1.0019%
70	Welland Hydro-Electric System Corp.	0.3879%
71	Wellington North Power Inc.	0.0632%
72	West Coast Huron Energy Inc.	0.0653%
73	Westario Power Inc.	0.5411%
74	Whitby Hydro Electric Corporation	0.8651%
75	Woodstock Hydro Services Inc.	0.2548%
<b>Total</b>		<b>100.0000%</b>

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

# Final 2015 Annual Verified Results Report

## Glossary

#	Term	Definition
1	2011-2014+2015 Extension Legacy Framework Programs	Programs in market from 2011-2015 resulting from the April 23, 2010 GEA CDM Ministerial Directive and funded separately from 2015-2020 Conservation First Framework Programs but whose savings in 2015 are attributed towards the 2015-2020 Conservation First Framework target.
2	2015-2020 Conservation First Framework Programs	Programs in market from 2015-2020 resulting from the March 31, 2014 CFF Ministerial Directive and funded separately from 2011-2014+2015 Extension Legacy Framework Programs.
3	Allocated Target	Each LDC's assigned portion of the Province's 7 TWh Net 2020 Annual Energy Savings Target of the 2015-2020 Conservation First Framework.
4	Allocated Budget	Each LDC's assigned portion of the Province's \$ 1.835 billion CDM Plan Budget of the 2015-2020 Conservation First Framework.
5	Province-Wide Program	Programs available to all LDCs to deliver and that are consistent across the province.
6	Regional Program	Programs designed by LDCs to serve their region and approved by the IESO.
7	Local Program	Programs designed by LDCs to serve their communities and approved by the IESO.
8	Pilot Program	A program pilot that may achieve energy or demand savings and is funded extraneous to an LDC's CDM Plan Budget.
9	Initiative	A Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (i.e. Retrofit, Fridge & Freezer Pickup) from the 2011-2014+2015 Extension Legacy Framework.
10	Program	A Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (i.e. Retrofit, Fridge & Freezer Pickup) from the 2015-2020 Conservation First Framework.
11	Activity	The number of projects.

12	Unit	For a specific initiative the relevant type of activity acquired in the market place (i.e. appliances picked up, projects completed, coupons redeemed).
13	Forecast	LDC's forecast of activity, savings, expenditures and cost effectiveness as indicated in each LDC's submitted CDM Plan Cost Effectiveness Tools.
14	Actual	The IESO determined final results of activity, savings, expenditures and cost effectiveness.
15	Progress	A comparison of Actuals versus Forecasts.
16	Full Cost Recovery Progress	For a given year, the perscentage calculated by dividing: a) the sum of verified electricity savings for all years of the term up to and including the applicable year for all Programs that receive full cost recovery funding, by b) the Cumulative FCR Milestone, multiplied by 100%, as specified in Schedule A of the Energy Conservation Agreement.
17	Reported Savings	Savings determined by the LDC: 1) for prescriptive projects/programs: calculating quantity x prescriptive savings assumptions; and 2) for engineered or custom program projects/programs: calculated using prescribed methodologies.
18	Verified Savings	Savings determined by the IESO's evaluation, measurement and verification that may adjust reported savings by the realization rate.
19	Gross Savings	Savings determined as either: 1) program activity multiplied by per unit savings assumptions for prescriptive programs; or 2) reported savings multiplied by the realization rate for engineered or custom program streams.
20	Net Savings	The peak demand or energy savings attributable to conservation and demand management activities net of free-riders, etc.
21	Realization Rate	A comparison of observed or measured (evaluated) information to original reported savings which is used to adjust the gross savings estimates.
22	Net-to-Gross Adjustment	The ratio of net savings to gross savings, which takes into account factors such as free-ridership and spillover.
23	Free-ridership	The percentage of participants who would have implemented the program measure or practice in the absence of the program.

24	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.
25	Incremental Savings	The new resource savings attributable to activity procured in a particular reporting period based on when the savings are considered to 'start'.
26	First Year Savings	The peak demand or energy savings that occur in the year it was achieved (includes resource savings from only new program activity).
27	Annual Savings	The peak demand or energy savings that occur in a given year (includes resource savings from new program activity and resource savings persisting from previous years).
28	Demand Savings	Demand savings attributable to conservation and demand management activities.
29	Energy Savings	Energy savings attributable to conservation and demand management activities.
30	Administrative Expenses	Costs incurred in the delivery of a program related to labour, marketing, third-party expenses, value added services or other central services.
31	Participant Incentives	Costs incurred in the delivery of a program related to incenting participants to perform peak demand or energy savings.
32	Total Expenditure	The sum of Administrative Expenses and Participant Incentives
33	Total Resource Cost Cost Effectiveness Test	A cost effectiveness test that measures the net cost of CDM based on the total costs of the program including both participants' and utility's costs.
34	Program Administrator Cost Cost Effectiveness Test	A cost effectiveness test that measures the net cost of CDM based on costs incurred by the program administrator, including incentive costs and excluding net costs incurred by the participant.
35	Levelized Unit Energy Cost Cost Effectiveness Test	A cost effectiveness test that normalizes the costs incurred by the program administrator per unit of energy or demand reduced.

**ATTACHMENT 45 – INCREMENTAL CAPITAL MODULE ENERSOURCE RZ**



# Capital Module

## Applicable to ACM and ICM

Note: Depending on the selections made below, certain worksheets in this workbook will be hidden.


Version 3.01

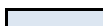
Utility Name	Alectra Utilities - Enersource Rate Zone		
Service Territory (if filing more than one model)	Mississauga		
Assigned EB Number	EB-2017-0024		
Name of Contact and Title	Indy J. Butany-DeSouza, Vice-President, Regulatory Affairs		
Phone Number	905-821-5727		
Email Address	indy.butany@alectrautilities.com		
Is this Capital Module being filed in a CoS or Price-Cap IR Application?	Price-Cap IR	Rate Year	2018
Indicate the Price-Cap IR Year (1, 2, 3, 4, etc) in which Alectra Utilities - Enersource Rate Zone is	5		
For which Rate Year is Alectra Utilities - Enersource Rate Zone seeking approval for its CoS application?			
Alectra Utilities - Enersource Rate Zone is applying for:	ICM Approval		
Last Rebasing Year:	2013		
Last COS OEB Application Number	EB-2012-0033		
The most recent complete year for which actual billing and load data exists	2016		
Current IPI	1.90%		
Stretch Factor Assigned to Middle Cohort	III		
Stretch Factor Value	0.30%		
Price Cap Index	1.60%		


Based on the inputs above, the growth factor utilized in the Materiality Threshold Calculation will be determined by:

2016 Actual Distribution Revenues
2013 Board-Approved Distribution Revenues

### 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.

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

*defer rebasing. If a distributor is under Price Cap IR for more than four years after rebasing and applies for an ICM, this spreadsheet will need to be adapted to accommodate those circumstances. The distributor*





Ontario Energy Board

# Capital Module

## Applicable to ACM and ICM

Alectra Utilities Corporation - Enersource Hydro Mississauga Inc.

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

How many classes are 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 499 KW
4	GENERAL SERVICE 500 TO 4,999 KW
5	LARGE USE
6	UNMETERED SCATTERED LOAD
7	STREET LIGHTING



Ontario Energy Board

# Capital Module

## Applicable to ACM and ICM

Alectra Utilities Corporation - Enersource Hydro Mississauga Inc.

Input the billing determinants and base distribution rates associated with 's 2016 Actual Distribution Revenues. Sheets 4 & 5 calculate the

Rate Class	Units	2016 Actual Distribution Revenues			2016 Actual Distribution Revenues		
		Billed Customers or Connections	Billed kWh	Billed kW (if applicable)	Monthly Service Charge	Distribution Volumetric Rate kWh	Distribution Volumetric Rate kW
RESIDENTIAL	\$/kWh	182,224	1,532,961,311		15.75	0.0102	0.0000
GENERAL SERVICE LESS THAN 50 KW	\$/kWh	18,025	665,390,671		41.47	0.0121	0.0000
GENERAL SERVICE 50 TO 999 KW	\$/kW	4,011	2,095,056,256	6,021,478	73.04	0.0000	4.3959
GENERAL SERVICE 500 TO 4,999 KW	\$/kW	459	2,017,241,545	4,578,125	1663.38	0.0000	2.2620
LARGE USE	\$/kW	9	989,946,991	1,770,337	13115.07	0.0000	2.8076
UNMETERED SCATTERED LOAD	\$/kWh	3,098	11,246,374		8.56	0.0156	0.0000
STREET LIGHTING	\$/kW	50,555	16,413,628	45,704	1.44	0.0000	10.9833

# Capital Module

## Applicable to ACM and ICM

Alectra Utilities Corporation - Enersource Hydro Mississauga Inc.

Calculation of 2016 Revenue Requirement. No input required.

### 2016 Actual Distribution Revenues

Rate Class	Billed Customers or Connections	Billed kWh	Billed kW (if applicable)	Monthly Service Charge	Distribution Volumetric Rate kWh	Distribution Volumetric Rate kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh H = B * E	Distribution Volumetric Rate Revenue kW I = C * F	Revenue Requirement from Rates J = G + H + I	Service Charge % Revenue K = G / J	Distribution Volumetric Rate % Revenue kWh L = H / J	Distribution Volumetric Rate % Revenue kW M = I / J	Total % Revenue N = J / R
	A	B	C	D	E	F	G = A * D *12	H = B * E	I = C * F	J = G + H + I	K = G / J	L = H / J	M = I / J	N = J / R
RESIDENTIAL	182,224	1,532,961,311		15.75	0.0102	0.0000	34,440,336	15,636,205	0	50,076,541	68.8%	31.2%	0.0%	40.1%
GENERAL SERVICE LESS THAN 50 KW	18,025	665,390,671		41.47	0.0121	0.0000	8,969,961	8,051,227	0	17,021,188	52.7%	47.3%	0.0%	13.6%
GENERAL SERVICE 50 TO 999 KW	4,011	2,095,056,256	6,021,478	73.04	0.0000	4.3959	3,515,561	0	26,469,816	29,985,377	11.7%	0.0%	88.3%	24.0%
GENERAL SERVICE 500 TO 4,999 KW	459	2,017,241,545	4,578,125	1,663.38	0.0000	2.2620	9,161,897	0	10,355,718	19,517,615	46.9%	0.0%	53.1%	15.6%
LARGE USE	9	989,946,991	1,770,337	13,115.07	0.0000	2.8076	1,416,428	0	4,970,398	6,386,826	22.2%	0.0%	77.8%	5.1%
UNMETERED SCATTERED LOAD	3,098	11,246,374		8.56	0.0156	0.0000	318,227	175,443	0	493,670	64.5%	35.5%	0.0%	0.4%
STREET LIGHTING	50,555	16,413,628	45,704	1.44	0.0000	10.9833	873,590	0	501,983	1,375,573	63.5%	0.0%	36.5%	1.1%
<b>Total</b>	<b>258,381</b>	<b>7,328,256,775</b>	<b>12,415,644</b>				<b>58,696,000</b>	<b>23,862,876</b>	<b>42,297,914</b>	<b>124,856,790</b>				<b>100.0%</b>

# Capital Module

## Applicable to ACM and ICM

### Applicants Rate Base

#### Average Net Fixed Assets

Gross Fixed Assets - Re-based Opening  
Add: CWIP Re-based Opening  
Re-based Capital Additions  
Re-based Capital Disposals  
Re-based Capital Retirements  
Deduct: CWIP Re-based Closing  
Gross Fixed Assets - Re-based Closing  
Average Gross Fixed Assets

Accumulated Depreciation - Re-based Opening  
Re-based Depreciation Expense  
Re-based Disposals  
Re-based Retirements  
Accumulated Depreciation - Re-based Closing  
Average Accumulated Depreciation

#### Average Net Fixed Assets

#### Working Capital Allowance

Working Capital Allowance Base  
Working Capital Allowance Rate

#### Working Capital Allowance

#### Rate Base

#### Return on Rate Base

Deemed ShortTerm Debt %  
Deemed Long Term Debt %  
Deemed Equity %

Short Term Interest

Long Term Interest

Return on Equity

#### Return on Rate Base

#### Distribution Expenses

OM&A Expenses  
Amortization  
Ontario Capital Tax  
Grossed Up PILs  
Low Voltage  
Transformer Allowance

#### Revenue Offsets

Specific Service Charges  
Late Payment Charges  
Other Distribution Income  
Other Income and Deductions

#### Revenue Requirement from Distribution Rates

#### Rate Classes Revenue

#### Rate Classes Revenue - Total (Sheet 5)

Difference

Difference (Percentage - should be less than 1%)

### 2016 Actual Distribution Revenues

\$ 541,300,088	A			
\$ 4,371,726	B			
\$ 46,257,875	C			
-\$ 1,026,755	D			
	E			
-\$ 4,371,726	F			
\$ 586,531,208	G			
		\$ 563,915,648	H = ( A + G ) / 2	
\$ 45,750,490	I			
\$ 28,721,695	J			
	K			
-\$ 1,026,755	L			
\$ 73,445,430	M			
		\$ 59,597,960	N = ( I + M ) / 2	
		\$ 504,317,688	O = H - N	
\$ 786,215,891	P			
13.5%	Q			
		\$ 106,139,145	R = P * Q	
		\$ 610,456,833	S = O + R	
4.00%	T	\$ 24,418,273	W = S * T	
56.00%	U	\$ 341,855,827	X = S * U	
40.00%	V	\$ 244,182,733	Y = S * V	
2.08%	Z	\$ 507,900	AC = W * Z	
5.09%	AA	\$ 17,400,462	AD = X * AA	
8.93%	AB	\$ 21,805,518	AE = Y * AB	
		\$ 39,713,880	AF = AC + AD + AE	
\$ 52,564,731	AG			
\$ 25,461,695	AH			
	AI			
\$ 3,079,933	AJ			
	AK			
\$ 2,000,166	AL			
	AM			
	AN			
	AO			
		\$ 83,106,525	AP = SUM ( AG : AO )	
-\$ 1,236,783	AQ			
-\$ 1,800,192	AR			
-\$ 724,731	AS			
-\$ 1,068,717	AT	\$ 4,830,423	AU = SUM ( AQ : AT )	
		\$ 117,989,982	AV = AF + AP + AU	
		\$ 124,856,790	AW	
		-\$ 6,866,808	AZ = AV - AW	
		-5.50%	BA = AZ / AW	

# Capital Module

## Applicable to ACM and ICM

Input the billing determinants associated with Alectra Utilities Corporation - Enersource Hydro Mississauga Inc. 2013 Board-Approved Distribution Revenues. This sheet calculates the DENOMINATOR portion of the growth factor calculation. Pseudo Revenue Requirement Calculation.

Rate Class	2013 Board-Approved Distribution Revenues			2016 Base Rates			Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Total Revenue By Rate Class	Service Charge % Revenue	Distribution Volumetric Rate % Revenue kWh	Distribution Volumetric Rate % Revenue kW	Total % Revenue
	Billed Customers or Connections	Billed kWh	Billed kW	Monthly Service Charge	Distribution Volumetric Rate kWh	Distribution Volumetric Rate kW								
	A	B	C	D	E	F								
RESIDENTIAL	176,865	1,423,857,475		15.75	0.0102	0.0000	33,427,485	14,523,346	0	47,950,831	26.9%	11.7%	0.0%	38.6%
GENERAL SERVICE LESS THAN 50 KW	17,703	612,188,101		41.47	0.0121	0.0000	8,809,721	7,407,476	0	16,217,197	7.1%	6.0%	0.0%	13.1%
GENERAL SERVICE 50 TO 999 KW	3,950		6,222,022	73.04	0.0000	4.3959	3,462,096	0	27,351,387	30,813,483	2.8%	0.0%	22.0%	24.8%
GENERAL SERVICE 500 TO 4,999 KW	464		5,154,338	1,663.38	0.0000	2.2620	9,261,700	0	11,659,113	20,920,812	7.5%	0.0%	9.4%	16.9%
LARGE USE	9		1,737,267	13,115.07	0.0000	2.8076	1,416,428	0	4,877,551	6,293,978	1.1%	0.0%	3.9%	5.1%
UNMETERED SCATTERED LOAD	2,942	10,383,027		8.56	0.0156	0.0000	302,202	161,975	0	464,177	0.2%	0.1%	0.0%	0.4%
STREET LIGHTING	49,986		49,889	1.44	0.0000	10.9833	863,758	0	547,946	1,411,704	0.7%	0.0%	0.4%	1.1%
<b>Total</b>	<b>251,919</b>	<b>2,046,428,603</b>	<b>13,163,516</b>				<b>57,543,390</b>	<b>22,092,797</b>	<b>44,435,996</b>	<b>124,072,183</b>				<b>100.0%</b>

# Capital Module

## Applicable to ACM and ICM

### Current Revenue from Rates

This sheet is used to determine the applicant's most current allocation of revenues (after the most recent revenue to cost ratio adjustment, if applicable)

Rate Class	Most Recent Board-Approved Base Rates			2016 Actual Distribution Revenues			Current Base Service Charge Revenue  G = A * D * 12	Current Base Distribution Volumetric Rate kWh Revenue H = B * E	Current Base Distribution Volumetric Rate kW Revenue I = C * F	Total Current Base Revenue  J = G + H + I	Service Charge % Total Revenue  L = G / J <sub>total</sub>	Distribution Volumetric Rate % Total Revenue  M = H / J <sub>total</sub>	Distribution Volumetric Rate % Total Revenue  N = I / J <sub>total</sub>	Total % Revenue  O = J / J <sub>total</sub>
	Monthly Service Charge  A	Distribution Volumetric Rate kWh B	Distribution Volumetric Rate kW C	Re-based Billed Customers or Connections D	Re-based Billed kWh E	Re-based Billed kW F								
RESIDENTIAL	19.11	0.0069	0.0000	182,224	1,532,961,311		41,787,608	10,577,433	0	52,365,041	31.91%	8.08%	0.00%	40.0%
GENERAL SERVICE LESS THAN 50 KW	43.60	0.0127	0.0000	18,025	665,390,671		9,430,680	8,450,462	0	17,881,142	7.20%	6.45%	0.00%	13.7%
GENERAL SERVICE 50 TO 999 KW	76.79	0.0000	4.6213	4,011	2,095,056,256	6,021,478	3,696,056	0	27,827,057	31,523,113	2.82%	0.00%	21.25%	24.1%
GENERAL SERVICE 500 TO 4,999 KW	1748.68	0.0000	2.3780	459	2,017,241,545	4,578,125	9,631,729	0	10,886,780	20,518,510	7.35%	0.00%	8.31%	15.7%
LARGE USE	13787.64	0.0000	2.9516	9	989,946,991	1,770,337	1,489,065	0	5,225,327	6,714,392	1.14%	0.00%	3.99%	5.1%
UNMETERED SCATTERED LOAD	9.00	0.0164	0.0000	3,098	11,246,374		334,584	184,441	0	519,025	0.26%	0.14%	0.00%	0.4%
STREET LIGHTING	1.51	0.0000	11.5465	50,555	16,413,628	45,704	916,057	0	527,723	1,443,780	0.70%	0.00%	0.40%	1.1%
<b>Total</b>							<b>67,285,779</b>	<b>19,212,335</b>	<b>44,466,887</b>	<b>130,965,001</b>				<b>100.0%</b>



# Capital Module

## Applicable to ACM and ICM

Alectra Utilities Corporation - Enersource Hydro Mississauga Inc.

No Input Required.

### Final Threshold Calculation

$$\text{Threshold Value (\%)} = 1 + \left[ \left( \frac{RB}{d} \right) \times (g + PCI \times (1 + g)) \right] \times ((1 + g) \times (1 + PCI))^{n-1} + 10\%$$

<b>Year</b>	<b>2018</b>	
<b>Year in which Applicant is applying</b>	<b>5</b>	<i>n</i>
<b>Price Cap Index</b>	<b>1.60%</b>	<i>PCI</i>
<b>Growth Factor Calculation</b>		
2016 Actual Distribution Revenues	\$124,856,790	
2013 Board-Approved Distribution Revenues	\$124,072,183	
<b>Growth Factor</b>	<b>0.21%</b>	<i>g (Note 1)</i>
<b>Dead Band</b>	<b>10%</b>	
<b>Average Net Fixed Assets</b>		
Gross Fixed Assets Opening	\$ 541,300,088	
Add: CWIP Opening	\$ 4,371,726	
Capital Additions	\$ 46,257,875	
Capital Disposals	-\$ 1,026,755	
Capital Retirements	\$ -	
Deduct: CWIP Closing	-\$ 4,371,726	
Gross Fixed Assets - Closing	\$ 586,531,208	
Average Gross Fixed Assets	\$ 563,915,648	
Accumulated Depreciation - Opening	\$ 45,750,490	
Depreciation Expense	\$ 28,721,695	
Disposals	\$ -	
Retirements	-\$ 1,026,755	
Accumulated Depreciation - Closing	\$ 73,445,430	
Average Accumulated Depreciation	\$ 59,597,960	
<b>Average Net Fixed Assets</b>	<b>\$ 504,317,688</b>	
<b>Working Capital Allowance</b>		
Working Capital Allowance Base	\$ 786,215,891	
Working Capital Allowance Rate	13.5%	
<b>Working Capital Allowance</b>	<b>\$ 106,139,145</b>	
<b>Rate Base</b>	<b>\$ 610,456,833</b>	<i>RB</i>
<b>Depreciation</b>	<b>\$ 28,721,695</b>	<i>d</i>
<b>Threshold Value (varies by Price Cap IR Year subsequent to CoS rebasing)</b>		
Price Cap IR Year 2014	148.6%	
Price Cap IR Year 2015	149.3%	
Price Cap IR Year 2016	150.0%	
Price Cap IR Year 2017	150.7%	
Price Cap IR Year 2018	151.4%	
<b>Threshold CAPEX</b>		<i>Threshold Value × d</i>
Price Cap IR Year 2014	\$ 42,668,564	
Price Cap IR Year 2015	\$ 42,869,478	
Price Cap IR Year 2016	\$ 43,074,036	
Price Cap IR Year 2017	\$ 43,282,305	
Price Cap IR Year 2018	\$ 43,494,353	

**Note 1:** The growth factor *g* is annualized, depending on the number of years between the numerator and denominator for the

Ontario Energy Board

**Capital Module**  
**Applicable to ACM and ICM**

Ontario Energy Board

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**Applicable to ACM and ICM**





# Capital Module

## Applicable to ACM and ICM

### Incremental Capital Adjustment

#### Current Revenue Requirement

Current Revenue Requirement - Total	\$	117,989,982	A
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#### Return on Rate Base

Incremental Capital		\$	24,247,022	B
Depreciation Expense		\$	589,204	C
Incremental Capital to be included in Rate Base		\$	23,657,818	D = B - C
Deemed ShortTerm Debt %	4.0%	E	\$ 946,313	G = D * E
Deemed Long Term Debt %	56.0%	F	\$ 13,248,378	H = D * F
Short Term Interest	2.08%	I	\$ 19,683	K = G * I
Long Term Interest	5.09%	J	\$ 674,342	L = H * J
Return on Rate Base - Interest		\$	694,026	M = K + L
Deemed Equity %	40.00%	N	\$ 9,463,127	P = D * N
Return on Rate Base -Equity	8.93%	O	\$ 845,057	Q = P * O
Return on Rate Base - Total		\$	1,539,083	R = M + Q

#### Amortization Expense

Amortization Expense - Incremental	C	\$	589,204	S
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#### Grossed up PIL's

Regulatory Taxable Income	O	\$	845,057	T
Add Back Amortization Expense	S	\$	589,204	U
Deduct CCA		\$	1,895,165	V
Incremental Taxable Income		-\$	460,904	W = T + U - V
Current Tax Rate	26.5%	X		
PIL's Before Gross Up		-\$	122,140	Y = W * X
Incremental Grossed Up PIL's		-\$	166,176	Z = Y / (1 - X)

#### Incremental Revenue Requirement

Return on Rate Base - Total	Q	\$	1,539,083	AA
Amortization Expense - Total	S	\$	589,204	AB
Incremental Grossed Up PIL's	Z	-\$	166,176	AC
Incremental Revenue Requirement		\$	1,962,111	AD = AA + AB + AC

# Applicable to ACM and ICM

Calculation of incremental rate rider. Choose one of the 3 options:

☒ Fixed and Variable Rate Riders ☐ Variable Only Rate Rider ☐ Fixed Only Rate Rider

Rate Class	Service Charge %	Distribution Volumetric	Distribution Volumetric	Service Charge	Distribution Volumetric	Distribution Volumetric Rate	Total Revenue	Billed Customers or	Billed kWh	Billed kWh	Service Charge	Distribution Volumetric	Distribution Volumetric
	Revenue	Rate % Revenue kWh	Rate % Revenue kWh	Revenue	Rate Revenue kWh	Revenue kWh	by Rate Class	Connections	From Sheet 4	From Sheet 4	Rate Rider	Rate kWh Rate Rider	Rate kWh Rate Rider
	<i>From Sheet 8</i>	<i>From Sheet 8</i>	<i>From Sheet 8</i>	<i>Col C * Col I<sub>total</sub></i>	<i>Col D * Col I<sub>total</sub></i>	<i>Col E * Col I<sub>total</sub></i>		<i>From Sheet 4</i>	<i>From Sheet 4</i>	<i>From Sheet 4</i>	<i>Col F / Col K / 12</i>	<i>Col G / Col L</i>	<i>Col H / Col M</i>
RESIDENTIAL	31.91%	8.08%	0.00%	626,060	158,471	0	784,530	182,224	1,532,961,311		0.36	0.0000	0.0000
GENERAL SERVICE LESS THAN 50 KW	7.20%	6.45%	0.00%	141,290	126,604	0	267,894	18,025	665,390,671		0.65	0.0002	0.0000
GENERAL SERVICE 50 TO 999 KW	2.82%	0.00%	21.25%	55,374	0	416,903	472,278	4,011	2,095,056,256	6,021,478	1.15	0.0000	0.0692
GENERAL SERVICE 500 TO 4,999 KW	7.35%	0.00%	8.31%	144,302	0	163,105	307,407	459	2,017,241,545	4,578,125	26.20	0.0000	0.0356
LARGE USE	1.14%	0.00%	3.99%	22,309	0	78,285	100,595	9	989,946,991	1,770,337	206.57	0.0000	0.0442
UNMETERED SCATTERED LOAD	0.26%	0.14%	0.00%	5,013	2,763	0	7,776	3,098	11,246,374		0.13	0.0002	0.0000
STREET LIGHTING	0.70%	0.00%	0.40%	13,724	0	7,906	21,631	50,555	16,413,638	45,704	0.02	0.0000	0.1730
<b>Total</b>	<b>51.38%</b>	<b>14.67%</b>	<b>33.95%</b>	<b>1,008,072</b>	<b>287,838</b>	<b>666,201</b>	<b>1,962,111</b>	<b>258,381</b>	<b>7,328,256,775</b>	<b>12,415,644</b>			