



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

Version 5.0 (2021)

## 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 A-1 and A-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="#">3-a. Rate Class Allocations</a>	A blank spreadsheet is provided to allow LDCs to populate distributor specific rate class percentages to allocate actual CDM savings to different customer classes.
<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 Report</a>	A blank spreadsheet is provided to allow LDCs to populate with CDM savings persistence data provided by the IESO.
<a href="#">8. Streetlighting</a>	A blank spreadsheet is provided to allow LDCs to populate data on streetlighting projects whose savings were not provided by the IESO in the CDM Final Results Report (i.e., streetlighting projects).

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



## LRAMVA Work Form: Instructions

Version 5.0 (2021)

Tab	Instructions
<b>LRAMVA Checklist/Schematic Tab</b>	<p>The LRAMVA work form was created in a generic manner for use by all LDCs. Distributors should follow the checklist, which is referenced in this tab of the work form and listed below:</p> <ul style="list-style-type: none"> <li>o Highlight changes to this work form made by the LDC, if any, and provide rationale for the change in Tab 1-a.</li> <li>o Include any necessary assumptions the LDC has to make in its LRAMVA work form in the "Notes" section of the work form.</li> <li>o Provide documentation on the LRAMVA threshold by providing the reference and source material from the LDC's cost of service proceeding where its most recent load forecast was approved.</li> <li>o Include a copy of initiative-level persistence savings information that was verified by the IESO. Persistence information is available upon request from the IESO.</li> <li>o Apply the IESO verified savings adjustments to the year it relates to. For example, savings adjustments to 2015 programs will be provided to LDCs with the 2016 Final Results Report. The 2015 savings adjustments should be included in the 2015 verified savings portion of the work form.</li> <li>o Provide documentation or data substantiating savings from projects that were not provided in the IESO's verified results reports, inserted in Tab 8 (i.e., streetlighting projects), as applicable.</li> <li>o Provide documentation or analysis on how rate class allocations were determined by customer class and program each year, inserted in Tab 3-a.</li> </ul>
<b>Tab 1. LRAMVA Summary</b>	Distributors are required to report any past approved LRAMVA amounts along with the current LRAMVA amount requested for approval. There are separate tables indicating new lost revenues and carrying charges amounts by year and the totals for rate rider calculations.
<b>Tab 1-a. Summary of Changes</b>	Distributors should list all significant changes and changes in assumptions in the generic work form affecting the LRAMVA.
<b>Tab 2. LRAMVA Threshold</b>	Distributors should use the tables to display the LRAMVA threshold amounts as approved at a rate class level. This should be taken from the LDC's most recently approved cost of service application.
<b>Tab 3. Distribution Rates</b>	Distributors should complete the tables with rate class specific distribution rates and adjustments as applicable.
<b>Tab 3-a. Rate Class Allocations</b>	A tab is provided to allow LDCs to include documentation or analysis on how rate class allocations for actual CDM savings were determined by customer class and program each year. The rate class allocations would support the LRAMVA rate class allocation figures used in Tabs 4 and 5.
<b>Tabs 4 and 5 (2011-2020)</b>	<p>Distributors should complete the lost revenue calculation for 2011-2014 program years and 2015-2020 program years, as applicable, by undertaking the following:</p> <ul style="list-style-type: none"> <li>o Input or manually link the savings, adjustments and program savings persistence data from Tab 7 (Persistence Report) to Tabs 4 and 5. As noted earlier, persistence data is available upon request from the IESO.</li> <li>o Ensure that the IESO verified savings adjustments apply to the program year it relates to. For example, savings adjustments related to 2012 programs that were reported by the IESO in 2013 should be included in the 2012 program savings table.</li> <li>o Confirm the monthly multipliers applied to demand savings. If a different monthly multiplier is used than what was confirmed in the LRAMVA Report, provide rationale in Tab 1-a and highlight the new monthly multiplier that has been used.</li> <li>o Input the rate class allocations by program and year to allocate actual savings to customers. If a different allocation is proposed for adjustments, LDCs must provide the supporting rationale in Tab 1-a and highlight the change.</li> <li>o Provide assumptions about the year(s) in which persistence is captured in the load forecast via the "Notes" section of each table and adjust what is included in the LRAMVA totals, as appropriate.</li> </ul>



## LRAMVA Work Form: Instructions

Version 5.0 (2021)

Tab	Instructions
<b>Tab 6. Carrying Charges</b>	Distributors are requested to calculate carrying charges based on the methodology provided in the work form. This includes updating Table 6 as new prescribed interest rates for deferral and variance accounts become available and entering any collected interest amounts into the "Amounts Cleared" row to calculate outstanding variances on carrying charges.
<b>Tab 7. Persistence Report</b>	Persistence savings report(s) provided by the IESO should be included for the relevant years in the LRAMVA work form. Tab 7 has been created consistently with the IESO's persistence report.
<b>Tab 8. Streetlighting</b>	A tab is provided to ensure LDCs include documentation or data to support projects whose program savings were not provided by the IESO (i.e., streetlighting projects).



# LRAMVA Work Form: Checklist and Schematic

Version 5.0 (2021)

**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. 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 and Participation and Cost Report. 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**

	o Highlight changes to this work form made by the LDC, if any, and provide rationale for the change in Tab 1-a
	o Include any necessary assumptions the LDC has to make in its LRAMVA work form in the "Notes" section of the work form
	o Provide documentation on the LRAMVA threshold by providing the reference and source material from the LDC's cost of service proceeding where its most recent load forecast was approved
	o Include a copy of initiative-level persistence savings information that was verified by the IESO in Tab 7. Persistence information is available upon request from the IESO
	o Apply the IESO verified savings adjustments to the year it relates to.
	o Provide documentation or data substantiating savings from projects that were not provided in the IESO's verified results reports, inserted in Tab 8 (i.e., streetlighting projects), as applicable
	o Provide documentation or analysis on how rate class allocations were determined by customer class and program each year, inserted in Tab 3-a

Work Form Calculations	Source of Calculation	Inputs (Tables to Complete)	Source of Data Inputs	Outputs of Data (Auto-Populated)
Actual Incremental CDM Savings by Initiative	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 included in Tab 7 (Columns L to RT)	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 included in Tab 7 (Columns L to RT)	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 included in Tab 7 (Columns L to RT)	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
x Allocation % to Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AJ)	Determined by the LDC	
Actual Lost Revenues (kWh and kW) by Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"			
- Forecast Lost Revenues (kWh and kW) by Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tab "2. LRAMVA Threshold" Tables 2-a, 2-b and 2-c		
x Distribution Rate by Rate Class	Tab "3. Distribution Rates"	Table 3	LDC's Approved Tariff Sheets	
LRAMVA (\$) by Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"			Tables 1-a and 1-b
+ Carrying Charges (\$) by Rate Class	Tabs "1. LRAMVA Summary" and "6. Carrying Charges"	Table 6		Table 6-a
Total LRAMVA (\$) by Rate Class	Tab "1. LRAMVA Summary"			



# LRAMVA Work Form: Summary Tab

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

LDC Name

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-2019-0057
Application of Previous LRAMVA Claim	2020 IRM
Period of LRAMVA Claimed in Previous Application	2015-2018
Amount of LRAMVA Claimed in Previous Application	\$274,497.00

B. Current LRAMVA Application

Current LRAMVA Application (EB#)	EB-2020-0020
Application of Current LRAMVA Claim	2021 COS Application
Period of New LRAMVA in this Application	2019-2021
Period of Rate Recovery (# years)	

C. Documentation of Changes

Original Amount  
Amount for Final Disposition

Actual Lost Revenues (\$)	A	\$342,479
Forecast Lost Revenues (\$)	B	\$99,485
Carrying Charges (\$)	C	\$3,426
LRAMVA (\$) for Account 1568	A-B+C	\$246,420

Table 1-a. LRAMVA Totals by Rate Class

Please input the customer rate classes applicable to the LDC and associated billing units (kWh or kW) 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. Please also ensure that the principal amounts in column E of Table 1-a capture the appropriate years and amounts for the LRAMVA claim. Column F of Table 1-a should include projected carrying charges amounts as determined on a rate class basis from Table 1-b below.

**NOTE: If the LDC has more than 14 customer classes in which CDM savings was allocated, LDCs must contact OEB staff to make adjustments to the workform.**

Customer Class	Billing Unit	Principal (\$)	Carrying Charges (\$)	Total LRAMVA (\$)
Residential	kWh	\$9,571	\$246	\$9,817
GS < 50 kW	kWh	\$78,595	\$1,014	\$79,609

GS 50 to 2,999 kW	kW	\$148,901	\$2,091	\$150,991
GS 3,000 to 4,999 kW	kW	\$5,927	\$76	\$6,003
Unmetered Scattered Load	kWh	\$0	\$0	\$0
Sentinel Lighting	kW	\$0	\$0	\$0
Street Lighting	kW	\$0	\$0	\$0
\$0	\$0.00	\$0	\$0	\$0
\$0	\$0.00	\$0	\$0	\$0
\$0	\$0.00	\$0	\$0	\$0
\$0	\$0.00	\$0	\$0	\$0
\$0	\$0.00	\$0	\$0	\$0
\$0	\$0.00	\$0	\$0	\$0
\$0	\$0.00	\$0	\$0	\$0
\$0	\$0.00	\$0	\$0	\$0
<b>Total</b>		<b>\$242,994</b>	<b>\$3,426</b>	<b>\$246,420</b>

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

In column C of Table 1-b below, please insert a 'check mark' to indicate the years in which LRAMVA has been claimed. If you inserted a check-mark for a particular year, please delete the amounts associated with the actual and forecast lost revenues for all rate classes for that year, up to and including the total. Any LRAMVA from a prior year that has already been claimed cannot 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.

LDCs are expected to include projected carrying charges amounts in row 84 of Table 1-b below. LDCs should also check accuracy of the years included in the LRAMVA balance in row 85.

Description		LRAMVA Previously Claimed	Residential	GS < 50 kW	GS 50 to 2,999 kW	GS 3,000 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total
			kWh	kWh	kW	kW	kWh	kW	kW	
2011 Actuals			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2011 Forecast		☑	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared										
2012 Actuals			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2012 Forecast		☑	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared										
2013 Actuals			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2013 Forecast		☑	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared										
2014 Actuals			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2014 Forecast		☑	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared										
2015 Actuals			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2015 Forecast		☑	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared										
2016 Actuals			\$0.00	\$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	\$0.00
Amount Cleared										
2017 Actuals			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2017 Forecast		☑	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared										
2018 Actuals			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2018 Forecast		☑	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared										
2019 Actuals			\$11,694.34	\$51,688.16	\$94,211.21	\$2,524.41	\$0.00	\$0.00	\$0.00	\$160,118.12
2019 Forecast			(\$2,123.64)	(\$18,196.61)	(\$23,128.55)	\$0.00	\$0.00	\$0.00	\$0.00	(\$43,448.80)
Amount Cleared										
2020 Actuals			\$0.00	\$52,270.72	\$81,765.69	\$2,548.41	\$0.00	\$0.00	\$0.00	\$136,584.82

2020 Forecast		\$0.00	(\$18,486.98)	(\$23,483.33)	\$0.00	\$0.00	\$0.00	\$0.00	(\$41,970.31)
Amount Cleared									
2021 Actuals		\$0.00	\$17,514.80	\$27,407.04	\$854.23	\$0.00	\$0.00	\$0.00	\$45,776.07
2021 Forecast		\$0.00	(\$6,194.59)	(\$7,871.38)	\$0.00	\$0.00	\$0.00	\$0.00	(\$14,065.97)
Amount Cleared									
Carrying Charges		\$245.95	\$1,013.60	\$2,090.53	\$76.41	\$0.00	\$0.00	\$0.00	\$3,426.49
Total LRAMVA Balance		\$9,817	\$79,609	\$150,991	\$6,003	\$0	\$0	\$0	\$246,420

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



# LRAMVA Work Form: Summary of Changes

Legend

User Inputs (Green)
Drop Down List (Blue)
Instructions (Grey)

Table A-1. Changes to Generic Assumptions in LRAMVA Work Form

Please document any changes in assumptions made to the generic inputs of the LRAMVA work form. 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 current year savings and prior year savings adjustments; inclusion of additional adjustments affecting distribution rates; etc. All changes should be highlighted in the work form as well.

No.	Tab	Cell Reference	Description	Rationale
1	1. LRAMVA Summary	Rows 84-86	New rows for 2021	Claim is to April 30,2021
2	1. LRAMVA Summary	H19:h20	Adjust formulae to include 2020 and 2021	Claim is to April 30,2021
3	2. LRAMVA Threshold	Row 54	Include rates for 2021 (first four months)	Claim is to April 30,2021
4	3. Distribution Rates	Row 54	Threshold for 2021	Claim is to April 30,2021
5	4. 2011-2014 LRAM	Row 532	Added persistence of 2014 in 2021	Claim is to April 30,2021
6	5. 2015-2020 LRAM	Rows 58:59, 122:123, 307:308	Where adjustments in multiple years, they are showed separately	Facilitates comparison with IESO reports
7	5. 2015-2020 LRAM	Rows 214, 399,583,767,954	Added persistence in 2021	Claim is to April 30,2021
8	5. 2015-2020 LRAM	O72:U72	Cogen data from Tab 8	Special calculation required for CHP project
9	5. 2015-2020 LRAM	O875:Q875	Cogen data from Tab 8	Special calculation required for CP project
10	8. Streetlighting	Entire tab	Cogen facility and community energy park data provided on this tab	Special calculation required for CEP project
etc.				

Table A-2. Updates to LRAMVA Disposition

Please 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				
etc.				





LRAMVA Work Form:  
Forecast Lost Revenues

Version 5.0 (2021)

Legend

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

Table 2-a. LRAMVA Threshold

2010

Please provide the LRAMVA threshold approved in the cost of service (COS) or custom IR (CIR) 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	GS 50 to 2,999 kW	GS 3,000 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		kWh	kWh	kW	kW	kWh	kW	kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
kWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Summary		0	0	0	0	0	0	0	0	0	0	0	0	0	0

Years Included in Threshold

Source of Threshold 20XX Settlement Agreement, p. X

Table 2-b. LRAMVA Threshold

2015

Please provide the LRAMVA threshold approved in the cost of service (COS) or custom IR (CIR) 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	GS 50 to 2,999 kW	GS 3,000 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		kWh	kWh	kW	kW	kWh	kW	kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
kWh	16,199,356	1,769,698	967,905	13,461,753	0	0	0	0	0	0	0	0	0	0	0
kW	8,959	0	0	8,959	0	0	0	0	0	0	0	0	0	0	0
Summary		1769697.988	967904.6332	8959	0	0	0	0	0	0	0	0	0	0	0

Years Included in Threshold 2014 and 2015 CDM estimates

Source of Threshold EB-2014-0099 settlement, p.54 in Board decision (PDF page number), see note below regarding kW value

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. The LRAMVA threshold values in Table 2-c will be auto-populated in Tabs 4 and 5 of this work form.

Year	LRAMVA Threshold	Residential	GS < 50 kW	GS 50 to 2,999 kW	GS 3,000 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		kWh	kWh	kW	kW	kWh	kW	kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	2015	1,769,698	967,905	8,959	0	0	0	0	0	0	0	0	0	0	0
2020	2015	1,769,698	967,905	8,959	0	0	0	0	0	0	0	0	0	0	0
2021	2015	1,769,698	967,905	8,959	0	0	0	0	0	0	0	0	0	0	0

Note: kW values are based on what actually was used in the forecast model, where demand savings from the CHP project were manually reduced.

Threshold for 2021 is for the full year. Although only claiming for the first 1/3 of the year (Jan-Apr), the partial year is captured in the rates rather than here in the threshold, for convenience.



LRAMVA Work Form:  
Distribution Rates

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

Please complete Table 3 with the rate class specific distribution rates that pertain to the years of the LRAMVA disposition. 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 entered in row 16 of each rate year starting from January to the start of the LDC's rate year. Please enter 0 in row 16, if the rate year begins on January 1. If there are additional adjustments (i.e., rows) added to Table 3, please adjust the formulas in Table 3-a accordingly.

	Billing Unit	EB-2009-XXXX	EB-2010-XXXX	EB-2011-XXXX	EB-2012-0152	EB-2013-0157	EB-2014-0099	EB-2015-0092	EB-2016-0214	EB-2017-0065	EB-2018-0057	EB-2019-0057	EB-2020-XXXX
Rate Year		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Period 1 (# months)		0	0	0	4	4	4	4	4	4	4	4	4
Period 2 (# months)		12	12	12	8	8	8	8	8	8	8	8	8
Residential	kWh	\$ -	\$ -	\$ -	\$ -	\$ 0.0131	\$ 0.0141	\$ 0.0108	\$ 0.0073	\$ 0.0037	\$ -	\$ -	\$ -
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ 0.0131	\$ 0.0141	\$ 0.0108	\$ 0.0073	\$ 0.0037	\$ -	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ 0.0087	\$ 0.0138	\$ 0.0119	\$ 0.0085	\$ 0.0049	\$ 0.0012	\$ -	\$ -
GS < 50 kW	kWh	\$ -	\$ -	\$ -	\$ -	\$ 0.0167	\$ 0.0179	\$ 0.0182	\$ 0.0185	\$ 0.0187	\$ 0.0189	\$ 0.0192	
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ 0.0167	\$ 0.0179	\$ 0.0182	\$ 0.0185	\$ 0.0187	\$ 0.0189	\$ 0.0192	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ 0.0111	\$ 0.0175	\$ 0.0181	\$ 0.0184	\$ 0.0186	\$ 0.0188	\$ 0.0191	\$ 0.0064
GS 50 to 2,999 kW	kW	\$ -	\$ -	\$ -	\$ -	\$ 2.0966	\$ 2.4541	\$ 2.4983	\$ 2.5383	\$ 2.5611	\$ 2.5918	\$ 2.6359	
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ 2.0966	\$ 2.4541	\$ 2.4983	\$ 2.5383	\$ 2.5611	\$ 2.5918	\$ 2.6359	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ 1.3977	\$ 2.3349	\$ 2.4836	\$ 2.5250	\$ 2.5535	\$ 2.5816	\$ 2.6212	0.8786
GS 3,000 to 4,999 kW	kW	\$ -	\$ -	\$ -	\$ -	\$ 1.1150	\$ 1.1525	\$ 1.1732	\$ 1.1920	\$ 1.2027	\$ 1.2171	\$ 1.2378	
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ 1.1150	\$ 1.1525	\$ 1.1732	\$ 1.1920	\$ 1.2027	\$ 1.2171	\$ 1.2378	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ 0.7433	\$ 1.1400	\$ 1.1663	\$ 1.1857	\$ 1.1991	\$ 1.2123	\$ 1.2309	0.4126
Unmetered Scattered Load	kWh	\$ -	\$ -	\$ -	\$ -	\$ 0.0162	\$ 0.0119	\$ 0.0121	\$ 0.0123	\$ 0.0124	\$ 0.0125	\$ 0.0127	
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ 0.0162	\$ 0.0119	\$ 0.0121	\$ 0.0123	\$ 0.0124	\$ 0.0125	\$ 0.0127	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ 0.0108	\$ 0.0133	\$ 0.0120	\$ 0.0122	\$ 0.0124	\$ 0.0125	\$ 0.0126	0.0042
Sentinel Lighting	kW	\$ -	\$ -	\$ -	\$ -	\$ 15.4370	\$ 16.5613	\$ 16.8594	\$ 17.1292	\$ 17.2834	\$ 17.4908	\$ 17.7881	
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ 15.4370	\$ 16.5613	\$ 16.8594	\$ 17.1292	\$ 17.2834	\$ 17.4908	\$ 17.7881	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ 10.2913	\$ 16.1865	\$ 16.7600	\$ 17.0393	\$ 17.2320	\$ 17.4217	\$ 17.6890	5.9294
Street Lighting	kW	\$ -	\$ -	\$ -	\$ -	\$ 26.1255	\$ 25.2818	\$ 25.7369	\$ 26.1487	\$ 26.3840	\$ 26.7006	\$ 27.1545	
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ 26.1255	\$ 25.2818	\$ 25.7369	\$ 26.1487	\$ 26.3840	\$ 26.7006	\$ 27.1545	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ 17.4170	\$ 25.5630	\$ 25.5852	\$ 26.0114	\$ 26.3056	\$ 26.5951	\$ 27.0032	9.0515
0	0												
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													

Adjusted rate		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Calendar year equivalent		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
0	0														
Rate rider for tax sharing															
Rate rider for foregone revenue															
Other															
Adjusted rate		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Calendar year equivalent		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
0	0														
Rate rider for tax sharing															
Rate rider for foregone revenue															
Other															
Adjusted rate		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Calendar year equivalent		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
0	0														
Rate rider for tax sharing															
Rate rider for foregone revenue															
Other															
Adjusted rate		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Calendar year equivalent		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
0	0														
Rate rider for tax sharing															
Rate rider for foregone revenue															
Other															
Adjusted rate		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Calendar year equivalent		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
0	0														
Rate rider for tax sharing															
Rate rider for foregone revenue															
Other															
Adjusted rate		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Calendar year equivalent		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
0	0														
Rate rider for tax sharing															
Rate rider for foregone revenue															
Other															
Adjusted rate		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Calendar year equivalent		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
0	0														
Rate rider for tax sharing															
Rate rider for foregone revenue															
Other															
Adjusted rate		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Calendar year equivalent		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
0	0														
Rate rider for tax sharing															
Rate rider for foregone revenue															
Other															
Adjusted rate		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Calendar year equivalent		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

Note: Rates shown for 2021 are only the spill over from 2020 for Jan-Apr 2021. As such, they are approximately one-third of the annual rate. These partial year rates are multiplied by full year savings and thresholds in the LRAMVA.

Table 3-a. Distribution Rates by Rate Class

Table 3-a below autopopulates the average distribution rates from Table 3. Please ensure that the distribution rates relevant to the years of the LRAMVA disposition are used. **Please clear the rates related to the year(s) that are not part of the LRAMVA claim.**

The distribution rates that remain in Table 3-a will be used in Tabs 4 and 5 of the work form to calculate actual and forecast lost revenues. If there are additional adjustments (i.e., rows) added to Table 3, please adjust the formulas from Table 3-a, as well as the distribution rate links in Tabs 4 and 5.

Year	Residential	GS < 50 kW	GS 50 to 2,999 kW	GS 3,000 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	kWh	kWh	kW	kW	kWh	kW	kW	0	0	0	0	0	0	0
2011														
2012														
2013														
2014														
2015														
2016														
2017														
2018														
2019	\$0.0012	\$0.0188	\$2.5816	\$1.2123	\$0.0125	\$17.4217	\$26.5951	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2020	\$0.0000	\$0.0191	\$2.6212	\$1.2309	\$0.0126	\$17.6890	\$27.0032	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2021	\$0.0000	\$0.0064	\$0.8786	\$0.4126	\$0.0042	\$5.9294	\$9.0515	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000

Note: Rates shown for 2021 are only the spill over from 2020 for Jan-Apr 2021. As such, they are approximately one-third of the annual rate. These partial year rates are multiplied by full year savings and thresholds in the LRAMVA.



# LRAMVA Work Form: Determination of Rate Class Allocations

## Instructions

LDCs must clearly show how it has allocated actual CDM savings to applicable rate classes, including supporting documentation and rationale for its proposal. This should be shown by customer class and program each year.

[Click here for final allocation table.](#)

## Project details

Application	Program	Completion year	Rate class	Net kWh	Net kW	Status	Source
168716	Retrofit	2016	GS 50-2999	928	-	Adjustment	NBH CDM database
200857	Retrofit	2016	GS 50-2999	20,603	10	Adjustment	NBH CDM database
161748	Retrofit	2017	GS 50-2999	48,239	-	Adjustment	NBH CDM database
163377	Retrofit	2017	GS 50-2999	47,297	-	Adjustment	NBH CDM database
168718	Retrofit	2017	GS 50-2999	3,440	-	Adjustment	NBH CDM database
173168	Retrofit	2017	GS 50-2999	14,792	-	Adjustment	NBH CDM database
175181	Retrofit	2017	GS 50-2999	86,483	21	Adjustment	NBH CDM database
178294	Retrofit	2017	GS<50	2,323	1	Adjustment	NBH CDM database
182241	Retrofit	2017	GS 50-2999	237,485	39	Adjustment	NBH CDM database
182319	Retrofit	2017	GS<50	3,904	1	Adjustment	NBH CDM database
185424	Retrofit	2017	GS<50	12,883	4	Adjustment	NBH CDM database
186001	Retrofit	2017	GS 50-2999	40,494	10	Adjustment	NBH CDM database
186002	Retrofit	2017	GS 50-2999	7,049	2	Adjustment	NBH CDM database
186003	Retrofit	2017	GS 50-2999	18,855	-	Adjustment	NBH CDM database
186004	Retrofit	2017	GS 50-2999	30,795	7	Adjustment	NBH CDM database
186624	Retrofit	2017	GS 50-2999	26,063	11	Adjustment	NBH CDM database
189002	Retrofit	2017	GS 50-2999	4,742	1	Adjustment	NBH CDM database
189522	Retrofit	2017	GS 50-2999	11,002	3	Adjustment	NBH CDM database
189523	Retrofit	2017	GS 50-2999	114,265	34	Adjustment	NBH CDM database
192684	Retrofit	2017	GS<50	13,335	-	Adjustment	NBH CDM database
193551	Retrofit	2017	GS 50-2999	282,827	43	Adjustment	NBH CDM database
175730	Retrofit	2018	GS 50-2999	8,179	4	All projects	NBH CDM database
186469	Retrofit	2018	GS 50-2999	14,704	2	All projects	NBH CDM database
188271	Retrofit	2018	GS 50-2999	318,261	70	All projects	NBH CDM database
188347	Retrofit	2018	GS 50-2999	183,331	49	All projects	NBH CDM database
188349	Retrofit	2018	GS 50-2999	1,428	-	All projects	NBH CDM database
188653	Retrofit	2018	GS 50-2999	201,206	33	All projects	NBH CDM database
189402	Retrofit	2018	GS<50	6,560	2	All projects	NBH CDM database
189963	Retrofit	2018	GS<50	14,919	3	All projects	NBH CDM database
190111	Retrofit	2018	GS<50	21,474	5	All projects	NBH CDM database
190532	Retrofit	2018	GS 50-2999	216,704	36	All projects	NBH CDM database
191045	Retrofit	2018	GS<50	12,963	3	All projects	NBH CDM database
191317	Retrofit	2018	GS<50	7,497	2	All projects	NBH CDM database
191458	Retrofit	2018	GS 50-2999	101,208	12	All projects	NBH CDM database
191535	Retrofit	2018	GS<50	1,430	3	All projects	NBH CDM database
191606	Retrofit	2018	GS 50-2999	14,740	6	All projects	NBH CDM database
191933	Retrofit	2018	GS<50	11,128	3	All projects	NBH CDM database
192315	Retrofit	2018	GS 50-2999	11,147	2	All projects	NBH CDM database
192319	Retrofit	2018	GS<50	10,074	2	All projects	NBH CDM database
192320	Retrofit	2018	GS<50	1,952	0	All projects	NBH CDM database
192418	Retrofit	2018	GS<50	20,927	5	All projects	NBH CDM database
193139	Retrofit	2018	GS<50	8,783	3	All projects	NBH CDM database
193552	Retrofit	2018	GS 50-2999	15,891	4	All projects	NBH CDM database
193660	Retrofit	2018	GS 50-2999	18,673	3	All projects	NBH CDM database
193808	Retrofit	2018	GS 50-2999	14,676	4	All projects	NBH CDM database
193890	Retrofit	2018	GS<50	19,430	7	All projects	NBH CDM database
194013	Retrofit	2018	GS<50	2,913	1	All projects	NBH CDM database
194766	Retrofit	2018	GS 50-2999	781	0	All projects	NBH CDM database
194986	Retrofit	2018	GS 50-2999	196,435	50	All projects	NBH CDM database
195407	Retrofit	2018	GS<50	2,499	1	All projects	NBH CDM database
195778	Retrofit	2018	GS<50	16,420	-	All projects	NBH CDM database
195979	Retrofit	2018	GS 50-2999	9,171	2	All projects	NBH CDM database
198260	Retrofit	2018	GS 50-2999	29,554	7	All projects	NBH CDM database
198314	Retrofit	2018	GS 50-2999	5,025	-	All projects	NBH CDM database
199744	Retrofit	2018	GS 50-2999	8,592	-	All projects	NBH CDM database
199763	Retrofit	2018	GS 50-2999	59,713	12	All projects	NBH CDM database
200013	Retrofit	2018	GS 50-2999	9,238	2	All projects	NBH CDM database
200218	Retrofit	2018	GS<50	4,459	1	All projects	NBH CDM database
200219	Retrofit	2018	GS<50	5,304	-	All projects	NBH CDM database
204116	Retrofit	2018	GS 50-2999	17,197	4	All projects	NBH CDM database
204122	Retrofit	2018	GS 50-2999	4,946	1	All projects	NBH CDM database
204645	Retrofit	2018	GS 50-2999	1,624	-	All projects	NBH CDM database
205830	Retrofit	2018	GS<50	1,775	0	All projects	NBH CDM database
177140	Retrofit	2019	GS<50	10,234	2	All projects	NBH CDM database
177407	Retrofit	2019	GS<50	26,692	1	All projects	NBH CDM database
196014	Retrofit	2019	GS 50-2999	193,749	29	All projects	NBH CDM database
199267	Retrofit	2019	GS<50	9,956	2	All projects	NBH CDM database
200898	Retrofit	2019	GS 50-2999	95,957	12	All projects	NBH CDM database
200904	Retrofit	2019	GS 50-2999	46,215	14	All projects	NBH CDM database
201688	Retrofit	2019	GS<50	26,001	6	All projects	NBH CDM database
203059	Retrofit	2019	GS<50	53,463	14	All projects	NBH CDM database
204113	Retrofit	2019	GS<50	12,160	3	All projects	NBH CDM database
204643	Retrofit	2019	GS 50-2999	495	-	All projects	NBH CDM database
204644	Retrofit	2019	GS 50-2999	5,739	1	All projects	NBH CDM database

## Calculated allocation - energy

Sum of Net kWh		Column Labels		
Row Labels		GS 50-2999	GS<50	GS 3000+ Grand Total
2015		58.93%	10.63%	30.44%
ERII		58.93%	10.63%	30.44%
Final result		56.63%	11.23%	32.15%
Adjustment		100.00%	0.00%	100.00%
2016		44.45%	55.55%	0.00%
HPNC		49.33%	50.67%	0.00%
Final result		49.33%	50.67%	0.00%
Retrofit		44.13%	55.87%	0.00%
Final result		38.99%	61.01%	0.00%
Adjustment-201		68.44%	31.56%	100.00%
Adjustment		100.00%	0.00%	100.00%
2017		83.95%	16.05%	0.00%
Retrofit		83.95%	16.05%	0.00%
Final result		74.59%	25.41%	100.00%
Adjustment		96.78%	3.22%	100.00%
2018		89.56%	10.44%	0.00%
Retrofit		89.56%	10.44%	0.00%
All projects		89.56%	10.44%	0.00%
2019		66.01%	33.99%	0.00%
Retrofit		66.01%	33.99%	0.00%
All projects		66.01%	33.99%	0.00%
Grand Total		68.23%	22.48%	9.28%

Energy allocation is relevant only for GS<50 which bills by kWh

## Calculated allocation - demand

Sum of Net kW		Column Labels			
Row Labels		GS 3000-4999	GS 50-2999	GS<50	Grand Total
2015		30.41%	58.97%	10.62%	100.00%
ERII		30.41%	58.97%	10.62%	100.00%
Final result		32.15%	56.63%	11.23%	100.00%
Adjustment		0.00%	100.00%	0.00%	100.00%
2016		0.00%	49.17%	50.83%	100.00%
HPNC		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Final result		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Retrofit		0.00%	49.17%	50.83%	100.00%
Final result		0.00%	50.13%	49.87%	100.00%
Adjustment-201		0.00%	0.00%	100.00%	100.00%
Adjustment		0.00%	100.00%	0.00%	100.00%
2017		0.00%	76.20%	23.80%	100.00%
Retrofit		0.00%	76.20%	23.80%	100.00%
Final result		0.00%	62.42%	37.58%	100.00%
Adjustment		0.00%	97.05%	2.95%	100.00%
2018		0.00%	88.17%	11.83%	100.00%
Retrofit		0.00%	88.17%	11.83%	100.00%
All projects		0.00%	88.17%	11.83%	100.00%
2019		0.00%	61.38%	38.62%	100.00%
Retrofit		0.00%	61.38%	38.62%	100.00%
All projects		0.00%	61.38%	38.62%	100.00%
Grand Total		8.16%	69.96%	21.89%	100.00%

Demand allocation is relevant for GS>50 rate classes, which are billed by kW

## Allocation for workform

Program	GS<50	GS 50-2999	000-4999	Total
2015	kWh	kW	kW	
ERII				
Final result	11.23%	56.63%	32.15%	100.00%
Adjustment	0.00%	100.00%	0.00%	100.00%
2016				
HPNC				
Final result	50.67%	0.00%	0.00%	50.67%
Retrofit				
Final result	61.01%	50.13%	0.00%	111.14%
Adjustment-2017	31.56%	0.00%	0.00%	31.56%
Adjustment	0.00%	100.00%	0.00%	100.00%
2017				
Retrofit				
Final result	25.41%	62.42%	0.00%	87.83%
Adjustment	3.22%	97.05%	0.00%	100.27%

205157	Retrofit	2019	GS<50	16,979	3	All projects	NBH CDM database
205158	Retrofit	2019	GS<50	13,680	3	All projects	NBH CDM database
205159	Retrofit	2019	GS<50	8,813	2	All projects	NBH CDM database
205425	Retrofit	2019	GS 50-2999	19,532	3	All projects	NBH CDM database
205505	Retrofit	2019	GS<50	3,654	1	All projects	NBH CDM database
206689	Retrofit	2019	GS<50	4,645	1	All projects	NBH CDM database
146638	Retrofit	2016	GS<50	19,039	4	Adjustment-2i	2017 Final Results
161055	Retrofit	2016	GS<50	5,145	1	Adjustment-2i	2017 Final Results
163371	Retrofit	2016	GS<50	5,333	-	Adjustment-2i	2017 Final Results
164736	Retrofit	2016	GS<50	6,246	1	Adjustment-2i	2017 Final Results
164737	Retrofit	2016	GS<50	22,160	6	Adjustment-2i	2017 Final Results
164885	Retrofit	2016	GS<50	15,258	1	Adjustment-2i	2017 Final Results
167131	Retrofit	2016	GS 50-2999	180,644	-	Adjustment-2i	2017 Final Results
174320	Retrofit	2016	GS<50	10,110	-	Adjustment-2i	2017 Final Results
163377	Retrofit	2017	GS 50-2999	52,250	-	Final result	2017 Final Results
163458	Retrofit	2017	GS<50	4,612	-	Final result	2017 Final Results
172004	Retrofit	2017	GS 50-2999	3,356	-	Final result	2017 Final Results
172275	Retrofit	2017	GS<50	131,887	46	Final result	2017 Final Results
173461	Retrofit	2017	GS<50	16,256	-	Final result	2017 Final Results
173720	Retrofit	2017	GS<50	30,744	5	Final result	2017 Final Results
173750	Retrofit	2017	GS 50-2999	12,106	-	Final result	2017 Final Results
173795	Retrofit	2017	GS 50-2999	92,823	19	Final result	2017 Final Results
173823	Retrofit	2017	GS 50-2999	16,179	3	Final result	2017 Final Results
173824	Retrofit	2017	GS 50-2999	10,779	4	Final result	2017 Final Results
175181	Retrofit	2017	GS 50-2999	95,540	19	Final result	2017 Final Results
175261	Retrofit	2017	GS 50-2999	30,158	-	Final result	2017 Final Results
175273	Retrofit	2017	GS 50-2999	10,560	-	Final result	2017 Final Results
175348	Retrofit	2017	GS 50-2999	303,318	-	Final result	2017 Final Results
175460	Retrofit	2017	GS<50	29,037	6	Final result	2017 Final Results
176071	Retrofit	2017	GS<50	2,532	1	Final result	2017 Final Results
176440	Retrofit	2017	GS<50	46,358	23	Final result	2017 Final Results
179293	Retrofit	2017	GS<50	20,094	4	Final result	2017 Final Results
182319	Retrofit	2017	GS<50	3,956	1	Final result	2017 Final Results
182668	Retrofit	2017	GS 50-2999	17,745	-	Final result	2017 Final Results
183730	Retrofit	2017	GS 50-2999	19,550	-	Final result	2017 Final Results
185424	Retrofit	2017	GS<50	16,799	7	Final result	2017 Final Results
185519	Retrofit	2017	GS<50	12,181	-	Final result	2017 Final Results
186001	Retrofit	2017	GS 50-2999	54,334	22	Final result	2017 Final Results
186002	Retrofit	2017	GS 50-2999	9,458	5	Final result	2017 Final Results
186003	Retrofit	2017	GS 50-2999	19,102	-	Final result	2017 Final Results
186004	Retrofit	2017	GS 50-2999	41,320	15	Final result	2017 Final Results
186048	Retrofit	2017	GS 50-2999	24,039	1	Final result	2017 Final Results
186432	Retrofit	2017	GS<50	26,892	5	Final result	2017 Final Results
186448	Retrofit	2017	GS 50-2999	47,431	2	Final result	2017 Final Results
186624	Retrofit	2017	GS 50-2999	34,814	22	Final result	2017 Final Results
186866	Retrofit	2017	GS<50	3,404	1	Final result	2017 Final Results
189002	Retrofit	2017	GS<50	5,366	1	Final result	2017 Final Results
189522	Retrofit	2017	GS 50-2999	14,762	7	Final result	2017 Final Results
189523	Retrofit	2017	GS 50-2999	118,289	49	Final result	2017 Final Results
152317	ERII	2015	GS 50-2999	18,092	-	Adjustment	2016 Final Results
152972	ERII	2015	GS 50-2999	109,996	21	Adjustment	2016 Final Results
154357	ERII	2015	GS 50-2999	21,924	-	Adjustment	2016 Final Results
1250 5	HPNC	2016	GS 50-2999	57,490	-	Final result	2016 Final Results
154214	Retrofit	2016	GS 50-2999	94,528	15	Final result	2016 Final Results
154917	Retrofit	2016	GS<50	326,654	-	Final result	2016 Final Results
155716	Retrofit	2016	GS<50	20,182	-	Final result	2016 Final Results
155950	Retrofit	2016	GS 50-2999	54,823	-	Final result	2016 Final Results
156581	Retrofit	2016	GS<50	5,753	-	Final result	2016 Final Results
157111	Retrofit	2016	GS<50	12,014	1	Final result	2016 Final Results
158370	Retrofit	2016	GS<50	90,272	11	Final result	2016 Final Results
158423	Retrofit	2016	GS 50-2999	100,553	13	Final result	2016 Final Results
159100	Retrofit	2016	GS 50-2999	9,482	2	Final result	2016 Final Results
159251	Retrofit	2016	GS<50	31,328	11	Final result	2016 Final Results
159297	Retrofit	2016	GS<50	277,054	34	Final result	2016 Final Results
159471	Retrofit	2016	GS 50-2999	41,312	9	Final result	2016 Final Results
159723	Retrofit	2016	GS<50	2,664	0	Final result	2016 Final Results
160148	Retrofit	2016	GS<50	2,667	-	Final result	2016 Final Results
160340	Retrofit	2016	GS<50	16,496	2	Final result	2016 Final Results
160426	Retrofit	2016	GS 50-2999	11,900	-	Final result	2016 Final Results
160469	Retrofit	2016	GS<50	15,812	2	Final result	2016 Final Results
160820	Retrofit	2016	GS<50	4,295	5	Final result	2016 Final Results
161408	Retrofit	2016	GS 50-2999	4,444	-	Final result	2016 Final Results
161774	Retrofit	2016	GS 50-2999	6,855	-	Final result	2016 Final Results
163360	Retrofit	2016	GS<50	13,789	-	Final result	2016 Final Results
163629	Retrofit	2016	GS 50-2999	76,137	10	Final result	2016 Final Results
167517	Retrofit	2016	GS<50	19,277	2	Final result	2016 Final Results
167840	Retrofit	2016	GS 50-2999	88,909	24	Final result	2016 Final Results
168087	Retrofit	2016	GS<50	19,846	3	Final result	2016 Final Results
169168	Retrofit	2016	GS 50-2999	88,288	9	Final result	2016 Final Results
169693	Retrofit	2016	GS<50	18,238	6	Final result	2016 Final Results
170355	Retrofit	2016	Other LDC	3,110	-	Final result	2016 Final Results
1715 5	HPNC	2016	GS<50	59,045	-	Final result	2016 Final Results
173496	Retrofit	2016	GS<50	14,496	3	Final result	2016 Final Results
173610	Retrofit	2016	GS<50	12,561	-	Final result	2016 Final Results
	ERII	2015	GS<50	300851	42	Final result	NBH CDM database
	ERII	2015	GS 50-2999	1,517,429	210	Final result	NBH CDM database
	ERII	2015	GS 3000-4999	861,405	119	Final result	NBH CDM database

<b>2018</b>				
<b>Retrofit</b>				
All projects	10.44%	88.17%	0.00%	98.61%
<b>2019</b>				
<b>Retrofit</b>				
All projects	33.99%	61.38%	0.00%	95.37%
Totals do not add to 100% because allocations are based on billing units.				

Note: Totals by year may differ from final results due to a number of factors, including projects in other jurisdictions, IESO blended baseline impact true-ups



LRAMVA Work Form:  
2011 - 2014 Lost Revenues Work Form

Version 5.0 (2021)

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 2011-2014 period. Please input or manually link the savings, adjustments and program savings persistence data in these tables from the LDC's Persistence Reports provided by the IESO (in Tab 7). As noted earlier, persistence data is available upon request from the IESO. Please also be advised that the same rate classes (of up to 14) are carried over from the Summary Tab 1.
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 2013 should be included in the 2012 program savings table. In order for persisting savings to be claimed in future years, past year's initiative level savings results need to be filled out in the tables below. If the IESO adjustments were made available to the LDC after the LRAMVA was approved, the persistence of those savings adjustments in the future can be claimed as approved LRAMVA amounts are considered to be final.
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 the OEB's updated LRAM policy related to peak demand savings in EB-2016-0182. Demand Response (DR3) savings should generally not be included with the LRAMVA calculation, unless supported by empirical evidence. LDCs are requested to confirm the monthly multipliers for all programs each year as placeholder values are provided. If a different monthly multiplier is used, please include rationale in Tab 1-a and highlight the new multiplier that has been used.
4. LDC are requested to input the applicable rate class allocation percentages to allocate actual savings to the rate classes. The generic template currently includes the same allocation percentage for program savings and its savings adjustments. If a different allocation is proposed for savings adjustments, LDCs must provide supporting rationale in Tab 1-a and highlight the change.
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 year's persistence of savings is already captured in the updated load forecast. Please also provide assumptions about the years in which persistence is captured in the load forecast calculation in the "Notes" section below each table.

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 Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)									Rate Allocations for LRAMVA																										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Residential	GS < 50 kW	GS 50 to 2,999 kW	GS 3,000 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total																			
Consumer Program																							kWh	kWh	kW	kW	kWh	kW	kW																				
Actual CDM Savings in 2011			0										0										0	0	0	0	0	0	0																				
Forecast CDM Savings in 2011																							0	0	0	0	0	0	0																				
Distribution Rate in 2011																						\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000																					
Lost Revenue in 2011 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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00								
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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00								
LRAMVA in 2011																																																	\$0.00
2011 Savings Persisting in 2012																						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
2011 Savings Persisting in 2013																						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
2011 Savings Persisting in 2014																						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
2011 Savings Persisting in 2015																						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
2011 Savings Persisting in 2016																						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
2011 Savings Persisting in 2017																						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
2011 Savings Persisting in 2018																						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
2011 Savings Persisting in 2019																						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
2011 Savings Persisting in 2020																						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								

Note: LDC to make note of key assumptions included above

Table 4-b. 2012 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)									Rate Allocations for LRAMVA								
		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Residential	GS < 50 kW	GS 50 to 2,999 kW	GS 3,000 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total	
Consumer Program																															
Actual CDM Savings in 2012		0											0											kWh	kWh	kW	kW	kWh	kW	kW	
Forecast CDM Savings in 2012																								0	0	0	0	0	0	0	
Distribution Rate in 2012																								\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	
Lost Revenue in 2012 from 2011 programs																								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue in 2012 from 2012 programs																								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Lost Revenues in 2012																								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Forecast Lost Revenues in 2012																								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LRAMVA in 2012																														\$0.00	
2012 Savings Persisting in 2013																								0	0	0	0	0	0	0	
2012 Savings Persisting in 2014																								0	0	0	0	0	0	0	
2012 Savings Persisting in 2015																								0	0	0	0	0	0	0	
2012 Savings Persisting in 2016																								0	0	0	0	0	0	0	

2012 Savings Persisting in 2017	0	0	0	0	0	0	0
2012 Savings Persisting in 2018	0	0	0	0	0	0	0
2012 Savings Persisting in 2019	0	0	0	0	0	0	0
2012 Savings Persisting in 2020	0	0	0	0	0	0	0

Note: LDC to make note of key assumptions included above

Table 4-c. 2013 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)										Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)										Rate Allocations for LRAMVA							
		2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2013		2014	2015	2016	2017	2018	2019	2020	2021	2022	Residential	GS < 50 kW	GS 50 to 2,999 kW	GS 3,000 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total		
Consumer Program																																
Actual CDM Savings in 2013		0											0										kWh	kWh	kW	kW	kWh	kW	kW			
Forecast CDM Savings in 2013																							0	0	0	0	0	0	0			
																							0	0	0	0	0	0	0			
Distribution Rate in 2013																							\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000			
Lost Revenue in 2013 from 2011 programs																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Lost Revenue in 2013 from 2012 programs																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Lost Revenue in 2013 from 2013 programs																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Total Lost Revenues in 2013																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Forecast Lost Revenues in 2013																							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
LRAMVA in 2013																														\$0.00		
2013 Savings Persisting in 2014																							0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2015																							0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2016																							0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2017																							0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2018																							0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2019																							0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2020																							0	0	0	0	0	0	0	0		

Note: LDC to make note of key assumptions included above

Table 4-d. 2014 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)										Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)										Rate Allocations for LRAMVA							
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2014		2015	2016	2017	2018	2019	2020	2021	2022	2023	Residential	GS < 50 kW	GS 50 to 2,999 kW	GS 3,000 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total		
Consumer Program																							kWh	kWh	kW	kW	kWh	kW	kW			
Appliance Retirement	Verified	36,095	36,095	36,095	35,991	17,575	0	0	0	0	0		6	6	6	6	3	0	0	0	0	0	100%	0%	0%	0%	0%	0%	0%	100%		
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
Appliance Exchange	Verified	14,039	14,039	14,039	14,039	0	0	0	0	0	0		8	8	8	8	0	0	0	0	0	0	100%	0%	0%	0%	0%	0%	0%	100%		
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
HVAC Incentives	Verified	122,815	122,815	122,815	122,815	122,815	122,815	122,815	122,815	122,815	122,815		64	64	64	64	64	64	64	64	64	100%	0%	0%	0%	0%	0%	0%	100%			
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
Conservation Instant Coupon Booklet	Verified	153,000	142,210	137,013	137,013	137,013	137,013	137,013	136,751	136,751	117,321		11	11	10	10	10	10	10	10	9	100%	0%	0%	0%	0%	0%	0%	100%			
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
Bi-Annual Retailer Event	Verified	655,413	568,564	523,303	523,303	523,303	523,303	523,303	523,076	523,076	486,490		43	37	35	35	35	35	35	35	32	100%	0%	0%	0%	0%	0%	0%	100%			
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
Retailer Co-op	Verified	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%			
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
Residential Demand Response	Verified	0	0	0	0	0	0	0	0	0	0		99	0	0	0	0	0	0	0	0	100%	0%	0%	0%	0%	0%	0%	100%			
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
Residential Demand Response (IHD)	Verified	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%			
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
Residential New Construction	Verified	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%			
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
Business Program																																
Retrofit	Verified	1,287,576	1,287,576	1,287,576	1,253,137	1,253,137	#####	#####	#####	#####	#####	12	170	170	170	160	160	160	155	155	149	129	0%	10%	62%	28%	0%	0%	0%	100%		
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	10.00%	62.00%	28.00%	0.00%	0.00%	0.00%			
Direct Install Lighting	Verified	558,707	552,688	512,550	268,378	268,378	268,378	268,378	268,236	268,236	268,236	12	152	151	140	69	69	69	69	69	69	69	0%	86%	14%	0%	0%	0%	0%	100%		
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	86.00%	14.00%	0.00%	0.00%	0.00%	0.00%			
Building Commissioning	Verified	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0%	0%	0%	0%	0%	0%	0%	0%			
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
New Construction	Verified	68,104	68,104	68,104	68,104	68,104	68,104	68,104	68,104	68,104	68,104	12	252	252	252	252	252	252	252	252	252	252	0%	40%	60%	0%	0%	0%	0%	100%		
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	40.00%	60.00%	0.00%	0.00%	0.00%	0.00%			
Energy Audit	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0%	0%	0%	0%	0%	0%	0%	0%			
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
Small Commercial Demand Response	Verified	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0%	100%	0%	0%	0%	0%	0%	100%			
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
Small Commercial Demand Response (IHD)	Verified	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%			
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
Demand Response 3	Verified	0	0	0	0	0	0	0	0	0	0	0	463	0	0	0	0	0	0	0	0	0	0%	0%	100%	0%	0%	0%	0%	100%		
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%			

[illegible]





LRAMVA Work Form:  
2015 - 2020 Lost Revenues Work Form

Version 5.0 (2021)

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 2015-2020 period. Please input or manually link the savings, adjustments and program savings persistence data in these tables from the LDC's Persistence Reports provided by the IESO (in Tab 7). As noted earlier, persistence data is available upon request from the IESO. Please also be advised that the same rate classes (of up to 14) are carried over from the Summary Tab 1.
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 the IESO in 2017 should be included in the 2016 program savings table. In order for persisting savings to be claimed in future years, past year's initiative level savings results need to be filled out in the tables below. If the IESO adjustments were made available to the LDC after the LRAMVA was approved, the persistence of those savings adjustments in the future can be claimed as approved LRAMVA amounts are considered to be final.
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 the OEB's updated LRAM policy related to peak demand savings in EB-2016-0182. Demand Response (DR3) savings should generally not be included with the LRAMVA calculation, unless supported by empirical evidence. LDCs are requested to confirm the monthly multipliers for all programs each year as placeholder values are provided. If a different monthly multiplier is used, please include rationale in Tab 1-a and highlight the new multiplier that has been used.
4. LDC are requested to input the applicable rate class allocation percentages to allocate actual savings to the rate classes. The generic template currently includes the same allocation percentage for program savings and its savings adjustments. If a different allocation is proposed for savings adjustments, LDCs must provide supporting rationale in Tab 1-a and highlight the change.
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 year's persistence of savings is already captured in the updated load forecast. Please also provide assumptions about the years in which persistence is captured in the load forecast calculation in the "Notes" section below each table.

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

Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)									Rate Allocations for LRAMVA							
		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Residential	GS < 50 kW	GS 50 to 2,999 kW	GS 3,000 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total
																						kWh	kWh	kW	kW	kWh	kW	kW		
Legacy Framework																														
Residential Program																														
Coupon Initiative	Verified	213,430	211,630	211,630	211,630	211,630	211,630	211,630	211,529	211,529	211,529		14	13	13	13	13	13	13	13	13	100.00%							100%	
Adjustment to 2015 savings	True-up	11,426	11,338	11,338	11,338	11,338	11,338	11,338	11,288	11,288	11,288		1	1	1	1	1	1	1	1	1	100.00%			0.00%	0.00%	0.00%	0.00%		
Bi-Annual Retailer Event Initiative	Verified	475,960	467,471	467,471	467,471	467,471	467,471	467,471	467,245	467,245	467,245		32	32	32	32	32	32	32	32	32	100.00%							100%	
Adjustment to 2015 savings	True-up	1,099	1,090	1,090	1,090	1,090	1,090	1,090	1,089	1,089	1,089		-	-	-	-	-	-	-	-	-	100.00%			0.00%	0.00%	0.00%	0.00%		
Appliance Retirement Initiative	Verified	10,403	10,403	10,403	10,403	3,663	0	0	0	0	0		2	2	2	2	1	-	-	-	-	100.00%							100%	
Adjustment to 2015 savings	True-up																				100.00%			0.00%	0.00%	0.00%	0.00%			
HVAC Incentives Initiative	Verified	237,592	237,592	237,592	237,592	237,592	237,592	237,592	237,592	237,592	237,592		121	121	121	121	121	121	121	121	121	100.00%							100%	
Adjustment to 2015 savings	True-up	6,378	6,378	6,378	6,378	6,378	6,378	6,378	6,378	6,378	6,378		3	3	3	3	3	3	3	3	3	100.00%			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%		
Commercial & Institutional Program																														
Energy Audit Initiative	Verified	799,186	799,186	799,186	799,186	0	0	0	0	0	0	12	170	170	170	170	0	0	0	0	0	0			100.00%					100%
Adjustment to 2015 savings	True-up	53,778	53,778	53,778	53,778	852,966	852,966	852,966	852,966	852,966	852,966	12	11	11	11	11	182	182	182	182	182	182	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	
Efficiency: Equipment Replacement Incentive Initiative	Verified	2,679,685	2,679,685	2,673,464	2,673,464	2,673,464	2,673,464	2,661,252	2,661,252	2,547,099	2,466,868	12	371	371	369	369	369	369	368	368	333	328			11%	57%	32%		100%	
Adjustment to 2015 savings in 2016	2016 True-up	90,277	90,277	90,277	90,277	90,277	90,277	88,177	88,177	72,494	59,284	12	14	14	14	14	14	14	13	13	11	9			0%	100%	0%			
Adjustment to 2015 savings in 2017	2017 True-up	-1,966	-1,966	4,255	4,961	4,961	4,961	19,271	19,271	141,115	178,321	12	-1	-1	1	1	1	1	3	3	37	36	0.00%	11.23%	56.63%	32.15%	0.00%	0.00%	0.00%	
Direct Install Lighting and Water Heating Initiative	Verified	113,840	96,443	55,548	55,343	55,343	55,343	55,343	55,343	55,343	55,343	12	27	23	12	12	12	12	12	12	12			100%					100%	
Adjustment to 2015 savings in 2017	2017 True-up	-57,649	-40,251	643	5,065	5,065	5,065	5,065	5,065	5,065	5,065	12	-14	-10	-	1	1	1	1	1	1	1	0.00%	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	
New Construction and Major Renovation Initiative	Verified	44,324	44,324	44,324	44,324	44,324	44,324	44,324	44,324	44,324	44,324	12	6	6	6	6	6	6	6	6	6			100.00%					100%	
Adjustment to 2015 savings	True-up											12										0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
Existing Building Commissioning Incentive Initiative	Verified											3																	0%	
Adjustment to 2015 savings	True-up											3										0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
Industrial Program																														
Process and Systems Upgrades Initiatives - Project Incentive Initiative	Verified											12												100.00%					100%	
Adjustment to 2015 savings	True-up	11,249,000	11,249,000	11,249,000	11,249,000	11,249,000	11,249,000	11,249,000	11,249,000	11,249,000	11,249,000	12	0	445	657	1,364	1,490	1,208	1,033	0	0	0	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	17







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Note: LDC to make note of key assumptions included above

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### Table 5-g. 2021 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)										Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)										Rate Allocations for LRAMVA							
		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2021		2022	2023	2024	2025	2026	2027	2028	2029	2030	Residential	GS < 50 kW	GS 50 to 2,999 kW	GS 3,000 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total		
		kWh										kW										kWh	kWh	kW	kW	kWh	kW	kW	0			

[illegible]

Note: LDC to make note of key assumptions included above



## LRAMVA Work Form: Carrying Charges by Rate Class

Version 5.0 (2021)

## 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. Monthly interest rates are used to calculate the variance on the carrying charges for LRAMVA. Starting from column I, the principal will auto-populate as monthly variances in Table 6-a, and are multiplied by the interest rate 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.
3. Please calculate the projected interest amounts in the LRAMVA work form. Project carrying charges amounts included in Table 6-a should be consistent with the projected interest amounts included in the DVA Continuity Schedule. **If there are additional adjustments required to the formulas to calculate the projected interest amounts, please adjust the formulas in Table 6-a accordingly.**

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	1.50%
2018 Q1	1.50%
2018 Q2	1.89%
2018 Q3	1.89%
2018 Q4	2.17%
2019 Q1	2.45%
2019 Q2	2.18%
2019 Q3	2.18%
2019 Q4	2.18%
2020 Q1	2.18%
2020 Q2	2.18%
2020 Q3	0.57%
2020 Q4	0.57%
2021 Q1	0.57%
2021 Q2	0.57%
2021 Q3	
2021 Q4	
2022 Q1	
2022 Q2	
2022 Q3	
2022 Q4	
2023 Q1	
2023 Q2	
2023 Q3	
2023 Q4	
2024 Q1	
2024 Q2	
2024 Q3	
2024 Q4	
2025 Q1	
2025 Q2	
2025 Q3	
2025 Q4	

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

[Go to Tab 1: Summary](#)

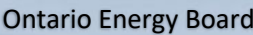
Month	Period	Quarter	Monthly Rate	Residential	GS < 50 kW	GS 50 to 2,999 kW	GS 3,000 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Total	
Jan-11	2011	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Feb-11	2011	Q1	0.12%	\$0.00	\$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	
Mar-11	2011	Q1	0.12%	\$0.00	\$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	
Apr-11	2011	Q2	0.12%	\$0.00	\$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	
May-11	2011	Q2	0.12%	\$0.00	\$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	
Jun-11	2011	Q2	0.12%	\$0.00	\$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	
Jul-11	2011	Q3	0.12%	\$0.00	\$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	
Aug-11	2011	Q3	0.12%	\$0.00	\$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	
Sep-11	2011	Q3	0.12%	\$0.00	\$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	
Oct-11	2011	Q4	0.12%	\$0.00	\$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	
Nov-11	2011	Q4	0.12%	\$0.00	\$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	
Dec-11	2011	Q4	0.12%	\$0.00	\$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	
Total for 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	\$0.00	\$0.00	
Amount Cleared																			
Opening Balance for 2012				\$0.00	\$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	\$0.00
Jan-12	2011-2012	Q1	0.12%	\$0.00	\$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	
Feb-12	2011-2012	Q1	0.12%	\$0.00	\$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	
Mar-12	2011-2012	Q1	0.12%	\$0.00	\$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	
Apr-12	2011-2012	Q2	0.12%	\$0.00	\$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	
May-12	2011-2012	Q2	0.12%	\$0.00	\$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	
Jun-12	2011-2012	Q2	0.12%	\$0.00	\$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	
Jul-12	2011-2012	Q3	0.12%	\$0.00	\$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	
Aug-12	2011-2012	Q3	0.12%	\$0.00	\$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	
Sep-12	2011-2012	Q3	0.12%	\$0.00	\$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	
Oct-12	2011-2012	Q4	0.12%	\$0.00	\$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	
Nov-12	2011-2012	Q4	0.12%	\$0.00	\$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	
Dec-12	2011-2012	Q4	0.12%	\$0.00	\$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	
Total for 2012				\$0.00	\$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	\$0.00
Amount Cleared																			
Opening Balance for 2013				\$0.00	\$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	\$0.00
Jan-13	2011-2013	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Feb-13	2011-2013	Q1	0.12%	\$0.00	\$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	
Mar-13	2011-2013	Q1	0.12%	\$0.00	\$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	
Apr-13	2011-2013	Q2	0.12%	\$0.00	\$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	
May-13	2011-2013	Q2	0.12%	\$0.00	\$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	
Jun-13	2011-2013	Q2	0.12%	\$0.00	\$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	
Jul-13	2011-2013	Q3	0.12%	\$0.00	\$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	
Aug-13	2011-2013	Q3	0.12%	\$0.00	\$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	
Sep-13	2011-2013	Q3	0.12%	\$0.00	\$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	
Oct-13	2011-2013	Q4	0.12%	\$0.00	\$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	
Nov-13	2011-2013	Q4	0.12%	\$0.00	\$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	
Dec-13	2011-2013	Q4	0.12%	\$0.00	\$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	
Total for 2013				\$0.00	\$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	\$0.00
Amount Cleared																			
Opening Balance for 2014				\$0.00	\$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	\$0.00
Jan-14	2011-2014	Q1	0.12%	\$0.00	\$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	
Feb-14	2011-2014	Q1	0.12%	\$0.00	\$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	
Mar-14	2011-2014	Q1	0.12%	\$0.00	\$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	
Apr-14	2011-2014	Q2	0.12%	\$0.00	\$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	
May-14	2011-2014	Q2	0.12%	\$0.00	\$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	
Jun-14	2011-2014	Q2	0.12%	\$0.00	\$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	
Jul-14	2011-2014	Q3	0.12%	\$0.00	\$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	
Aug-14	2011-2014	Q3	0.12%	\$0.00	\$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	
Sep-14	2011-2014	Q3	0.12%	\$0.00	\$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	
Oct-14	2011-2014	Q4	0.12%	\$0.00	\$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	
Nov-14	2011-2014	Q4	0.12%	\$0.00	\$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	
Dec-14	2011-2014	Q4	0.12%	\$0.00	\$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	
Total for 2014				\$0.00	\$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	\$0.00
Amount Cleared																			
Opening Balance for 2015				\$0.00	\$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	\$0.00
Jan-15	2011-2015	Q1	0.12%	\$0.00	\$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	



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24





## Supporting Documentation: LDC Persistence Savings Results from IESO

### Legend

- User Inputs (Green)
- Drop Down List (Blue)
- Instructions (Grey)

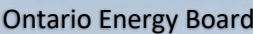
### Instructions (Steps)

1. Columns B to H of this tab have been structured in a way to match the formatting of the persistence report provided by the IESO. Please copy and paste the program information by initiative in Columns B to H and the corresponding demand and energy savings.
2. Please identify the source of the report via the dropdown list in Column I.
3. To facilitate the identification of adjustments that may be available in a prospective year's results report, it will be easier to sort all the savings by implementation year (Column H). This can be done by clicking on the filter button at cell H25 (highlighted in yellow).
4. Please identify what the savings value represents (i.e., current year savings for the year or an adjustment to a prior year) via the dropdown list in Column J. Current year savings would be identified with an implementation year that matches the year of the report.
5. Please manually input or link the applicable savings and adjustments (Columns L to BT) for all applicable initiatives in Tabs 4 and 5 of this work form.

**NOTE: The Net Verified Peak Demand Savings table and Net Verified Energy Savings table below are in the reverse order to the accompanying tables in Tab 4 and Tab 5. The tables below match those provided by the IESO.**

**Table 7. 2011-2020 Verified Program Results and Persistence into Future Years**

[illegible]



**Supporting Documentation:**  
**LDC Persistence Savings Results from IESO**

### Legend

- User Inputs (Green)
- Drop Down List (Blue)
- Instructions (Grey)

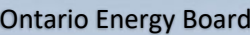
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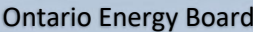
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[illegible]



**Supporting Documentation:**  
**LDC Persistence Savings Results from IESO**

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- Drop Down List (Blue)
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[illegible]

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[illegible]

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Net Verified Annual Energy Savings at the End-User Level (kWh)									
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
2011									
2012									
2013									
2014									
2015									
2016									
2017									
2018									
2019									
2020									
2021									
2022									
2023									
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2039									
2040									

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Net Verified Annual Energy Savings at the End-User Level (kWh)									
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2031	2032	2033	2034	2035	2036	2037	2038	2039	2040

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Net Verified Annual Energy Savings at the End-User Level (kWh)									
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
2014									
2013									
2012									
2011									
2040	2041	2042	2043	2044	2045	2046	2047	2048	2049
2039									
2038									
2037									
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2023									
2022									
2021									
2020									
2019									
2018									
2017									



[illegible]









# LRAMVA Work Form: Documentation for Cogeneration Projects

Version 5.0 (2021)

**Legend**

User Inputs (Green)

**Instructions**

Please provide documentation and/or data to substantiate program savings that were not provided in the IESO's verified results reports (i.e., streetlighting projects).

Distributors are encouraged to provide data in the following format, and complete a separate set of following tables for each project. The tables below are meant to be an example. Distributors should complete the tables based on the actual project details. Please create the necessary links to Tab 4/5 and tabulations within this LRAMVA workform to calculate the LRAMVA amounts. Alternatively, LDCs may submit a separate attachment with the project level details for billed demand by type of bulb.

**Note: North Bay Hydro had no street lighting projects in the period being claimed. This tab provides data on the cogeneration project at the North Bay Regional Health Centre, and the Community Energy Park.**

Project 1: North Bay Regional Health Centre

**Lost load****Summary**

Monthly peak kW

Month	Max load (kW)	Billed load (kW)	Demand reduction (kW)
2016-01	2,761	2,461	300
2016-02	2,921	2,474	447
2016-03	2,919	2,378	540
2016-04	2,886	2,548	339
2016-05	3,182	2,729	453
2016-06	3,474	2,963	511
2016-07	3,653	3,569	84
2016-08	3,547	3,307	240
2016-09	3,547	2,652	895
2016-10	3,049	3,049	-
2016-11	3,043	2,407	636
2016-12	2,824	1,932	892
<b>2016 total</b>			<b>5,336</b>
2017-01	2,936	2,365	571
2017-02	2,937	2,460	477
2017-03	2,898	2,414	483
2017-04	3,165	2,642	523
2017-05	3,355	1,937	1,418
2017-06	3,652	3,397	255
2017-07	3,560	2,873	687
2017-08	3,780	2,651	1,129
2017-09	3,667	3,038	628
2017-10	3,582	2,803	779
2017-11	2,891	2,466	425
2017-12	2,893	2,378	515
<b>2017 total</b>			<b>7,889</b>
2018-01	2,914	2,412	502
2018-02	2,801	2,320	482
2018-03	2,763	1,253	1,510
2018-04	3,873	2,377	1,496
2018-05	3,869	2,358	1,511
2018-06	4,836	3,234	1,602
2018-07	4,907	3,496	1,411
2018-08	4,581	2,982	1,599
2018-09	4,405	2,806	1,599
2018-10	4,043	2,429	1,614
2018-11	4,011	2,399	1,612
2018-12	3,896	2,467	1,429
<b>2018 total</b>			<b>16,366</b>
2019-01	2,835	1,330	1,506
2019-02	2,789	1,290	1,499
2019-03	2,726	1,296	1,430
2019-04	2,752	1,241	1,511
2019-05	3,034	1,525	1,509
2019-06	3,089	1,600	1,489

Program	2015 results (kW)	2016 Persistence	2017 Persistence	2018 Persistence	2019 Persistence	2020 Persistence	2021 Persistence
PSUI (annual)	0	5,336	7,889	16,366	17,877	14,495	4,131
Months		12	12	12	12	12	4
PSUI (monthly average)	-	445	657	1,364	1,490	1,208	1,033

2019-07	3,166	1,668	1,498
2019-08	3,168	1,687	1,481
2019-09	3,091	1,576	1,516
2019-10	3,139	1,646	1,493
2019-11	2,764	1,286	1,478
2019-12	2,801	1,333	1,468
<b>2019 total</b>			<b>17,877</b>
2020-01	2,869	1,437	1,432
2020-02	2,853	1,433	1,421
2020-03	2,770	1,289	1,482
2020-04	2,734	1,273	1,461
2020-05	3,093	1,621	1,471
2020-06	3,277	2,244	1,033
2020-07	3,277	2,244	1,033
2020-08	3,277	2,244	1,033
2020-09	3,277	2,244	1,033
2020-10	3,277	2,244	1,033
2020-11	3,277	2,244	1,033
2020-12	3,277	2,244	1,033
<b>2020 total</b>			<b>14,495</b>
2021-01	3,277	2,244	1,033
2021-02	3,277	2,244	1,033
2021-03	3,277	2,244	1,033
2021-04	3,277	2,244	1,033
<b>2021 total</b>	<b>13,109</b>	<b>8,978</b>	<b>4,131</b>

Values in red are estimated as data not yet available.  
Average of Jan 2018 - May 2020

## Project 2: Community Energy Park

Month	Shadow bill (kW)	Billed load (kW)	Demand reduction (kW)
2019-01	-	-	-
2019-02	-	-	-
2019-03	-	-	-
2019-04	-	-	-
2019-05	607	157	450
2019-06	482	331	151
2019-07	596	284	312
2019-08	708	601	106
2019-09	731	637	94
2019-10	723	414	309
2019-11	620	450	170
2019-12	641	486	155
<b>2019 total</b>			<b>1,747</b>
2020-01	673	472	201
2020-02	616	382	234
2020-03	572	382	190
2020-04	281	223	58
2020-05	475	457	17
2020-06	392	378	14
2020-07	839	821	18
2020-08	597	432	165
2020-09	597	432	165
2020-10	597	432	165
2020-11	597	432	165
2020-12	597	432	165
<b>2020 total</b>			<b>1,561</b>
2021-01	597	432	165
2021-02	597	432	165
2021-03	597	432	165
2021-04	597	432	165
<b>2021 total</b>			<b>661</b>

Values in red are estimated as data not yet available.  
Average of May 2019 - Jul 2020

Program	2019 results (kW)	2020 Persistence	2021 Persistence
PSUI (annual)	1,747	1,561	661
Months	12	12	4
PSUI (monthly average)	146	130	165