



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

Version 4.0 (2020)

## 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 4.0 (2020)

Tab	Instructions
<b>LRAMVA Checklist/Schematic Tab</b>	<p>The LRAMVA work form was created in a generic manner for use by all LDCs. There are some elements that are not applicable at this time (i.e. 2019 and 2020 related components) but have been included in an effort to avoid major updates in the future. 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>
<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 4.0 (2020)

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., 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

Yes	o Highlight changes to this work form made by the LDC, if any, and provide rationale for the change in Tab 1-a
Yes	o Include any necessary assumptions the LDC has to make in its LRAMVA work form in the "Notes" section of the work form
Yes	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
Yes	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
Yes	o Apply the IESO verified savings adjustments to the year it relates to.
Yes	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
Yes	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 BT).	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 BT).	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 BT).	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"			



Ontario Energy Board

LRAMVA Work Form:  
Summary Tab

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

LDC Name Rideau St. Lawrence Distribution Inc.

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-2018-0065
Application of Previous LRAMVA Claim	2019 IRM Application
Period of LRAMVA Claimed in Previous Application	2016
Amount of LRAMVA Claimed in Previous Application	\$ 46,711.84

B. Current LRAMVA Application

Current LRAMVA Application (EB#)	EB-2019-0066
Application of Current LRAMVA Claim	2020 IRM Application
Period of New LRAMVA in this Application	January - June of 2017
Period of Rate Recovery (if years)	1

C. Documentation of Changes

Original Amount	\$ 32,705.88
Amount for Final Disposition	

Actual Lost Revenues (\$)	A	\$ 36,624
Forecast Lost Revenues (\$)	B	\$ 5,601
Carrying Charges (\$)	C	\$ 1,683
LRAMVA (\$) for Account 1568	A+B+C	\$ 32,706

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	\$11,257	\$611	\$11,868
GS<50 kW	kWh	\$7,291	\$395	\$7,686
GS 50 TO 4,999 KW	kW	\$2,810	\$152	\$2,962
Street Lighting	kW	\$9,665	\$524	\$10,189
		\$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		\$31,023	\$1,683	\$32,706

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

Table 1-b. January - June of 2017 LRAMVA Breakdown by 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 4,999 KW	Street Lighting	Total
		kWh	kWh	kW	kW	
2011 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2011 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared						
2012 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2012 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared						
2013 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2013 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared						
2014 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2014 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared						
2015 Actuals	<input checked="" type="checkbox"/>				\$0.00	\$0.00
2015 Forecast					\$0.00	\$0.00
Amount Cleared						
2016 Actuals	<input checked="" type="checkbox"/>				\$0.00	\$0.00
2016 Forecast					\$0.00	\$0.00
Amount Cleared						
January - June of 2017 Actuals	<input checked="" type="checkbox"/>	\$15,174.78	\$8,358.25	\$3,426.36	\$9,665.09	\$36,624.48
January - June of 2017 Forecast		(\$3,917.51)	(\$1,067.41)	(\$616.42)	\$0.00	(\$5,601.35)
Amount Cleared						
2018 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2018 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared						
Carrying Charges		\$610.61	\$395.47	\$152.42	\$524.25	\$1,682.75
Total LRAMVA Balance		\$11,868	\$7,686	\$2,862	\$10,189	\$32,706

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

RSI calculated 2017-2018 LRAMVA in two LRAMVA work forms.

This work form 1 calculates LRAMVA for period January - June of 2017 (1st 6 months). Except Tab 1. LRAMVA Summary, input data in all other tabs of this model are annualized. In Tab 1. LRAMVA Summary, changes were made to the formula of Table 1-b, D72:G73, to capture only half of the annualized amounts.

Our new rates approved in 2016 CDS became effective on July 1, 2017. The calculation of 2017 LRAMVA is conducted in two parts: 1st half and 2nd half. CDM threshold from our 2014 CDS and rates approved in the 2014 IRM (based on the 2013 CDS) are applicable to the 1st half of 2017.



# LRAMVA Work Form: Summary of Changes

Version 4.0 (2020)

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	B46	Change "Annual LRAMVA Breakdown by Year and Rate Class" to "January - June of 2017 LRAMVA Breakdown by Rate Class"	This LRAMVA model is to calculate LRAMVA for period January - June of 2017 (6 months or half a year). Except Tab 1. LRAMVA Summary, input data in all other tabs of this model are annualized. In Tab 1. LRAMVA Summary, changes were made to the formula of Table 1-b to capture only half of the annualized amounts.
2	1. LRAMVA Summary	D72, D73. E72, E73, F72, F73, G72, G73	Add "/2" to formula to calculate half of the annualized data for the period January - June of 2017	See above
3	1. LRAMVA Summary	G72	Change formula to calculate lost revenue in street lighting	RSL lost revenue in street lighting due to implementation of LED projects in 2014, 2015 and 2016. But the savings are calculated based on actual billing reduction, not based on the IESO final results
4	1. LRAMVA Summary	B72, B73	Change "2017" to "January - June of 2017"	See above
5	3. Distribution Rates	k23, k30, k37, k44	Change formula to reflect the rates for the first 6 months of 2017	This work form is to calculate LRAMVA for period January - June of 2017. EB-2014-0111 rates were
6	6. Carrying Charges	H154, H155	Delete interest rates of May and	Carrying charges stop upon disposition on May 1, 2020.
7				
8				
9				
10				
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 4.0 (2020)

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

Table 2-a. LRAMVA Threshold2008

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	GS 50 TO 4,999 KW	Street Lighting										
		kWh	kWh	kW	kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
kWh	0														
kW	0														
Summary		0	0	0	0	0	0	0	0	0	0	0	0	0	0

Years Included in Threshold	N/A
Source of Threshold	2008 Settlement Agreement, EB-2007-0762

Table 2-b. LRAMVA Threshold2012

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	GS 50 TO 4,999 KW	Street Lighting										
		kWh	kWh	kW	kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
kWh	754,381	522,335	232,046	631											
kW	631			631											
Summary		522335	232046	631	0	0	0	0	0	0	0	0	0	0	0

Years Included in Threshold	5
Source of Threshold	2012 Settlement Agreement, EB-2011-0274, p20

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 4,999 KW	Street Lighting										
		kWh	kWh	kW	kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	2008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	2012	522,335	232,046	631	0	0	0	0	0	0	0	0	0	0	0
2013	2012	522,335	232,046	631	0	0	0	0	0	0	0	0	0	0	0
2014	2012	522,335	232,046	631	0	0	0	0	0	0	0	0	0	0	0
2015	2012	522,335	232,046	631	0	0	0	0	0	0	0	0	0	0	0
2016	2012	522,335	232,046	631	0	0	0	0	0	0	0	0	0	0	0
2017	2012	522,335	232,046	631	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

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

LRAMVA Work Form:  
Distribution Rates

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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-2009-0248	EB-2010-0113	EB-2011-0274	EB-2012-0164	EB-2013-0169	EB-2014-0111	EB-2014-0111	EB-2015-0100	EB-2017-XXXX	EB-2018-XXXX	EB-2019-XXXX	EB-2020-XXXX
Rate Year		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Period 1 (# months)		4	4	6	4	4	4	12	6				
Period 2 (# months)		8	8	6	8	8	8	0	6	12	12	12	12
Residential							\$ 0.0150	\$ 0.0150	\$ 0.0122				
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0150	\$ 0.0150	\$ 0.0122	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0100	\$ 0.0150	\$ 0.0150	\$ -	\$ -	\$ -	\$ -
GS<50 kW							\$ 0.0092	\$ 0.0092	\$ 0.0110				
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0092	\$ 0.0092	\$ 0.0110	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0061	\$ 0.0092	\$ 0.0092	\$ -	\$ -	\$ -	\$ -
GS 50 TO 4,999 kW							\$ 1.9538	\$ 1.9538	\$ 2.2394				
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1.9538	\$ 1.9538	\$ 2.2394	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1.3025	\$ 1.9538	\$ 1.9538	\$ -	\$ -	\$ -	\$ -
Street Lighting							\$ 13.1338	\$ 13.1338	\$ 12.7431				
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13.1338	\$ 13.1338	\$ 12.7431	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8.7559	\$ 13.1338	\$ 13.1338	\$ -	\$ -	\$ -	\$ -
0													
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0													
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0													
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0													
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
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Other													
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Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Note: LDC to make note of adjustments made to Table 3 to accommodate the LDC's specific circumstances

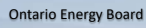
Table 3-a. Distribution Rates by Rate Class

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 4,999 kW	Street Lighting										
	kWh	kWh	kW	kW	0	0	0	0	0	0	0	0	0	0
2011	\$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
2012	\$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
2013	\$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
2014	\$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
2015	\$0.0100	\$0.0061	\$1.3025	\$8.7559	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2016	\$0.0150	\$0.0092	\$1.9538	\$13.1338	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2017	\$0.0150	\$0.0092	\$1.9538	\$13.1338	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2018	\$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 the years removed from this table, whose distribution rates are not part of the LRAMVA disposition



## Version 4.0 (2020)

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.

kWh	2011	2012	2013	2014	2015	2016	2016 Adjustment	2017	2017 Adjustment
GS<50	50.0%	0.0%	0.0%	25.7%	1.9%	21.3%	82.2%	53.0%	10.4%
GS>50	50.0%	100.0%	74.3%	62.9%	37.0%	17.8%		47.0%	89.6%
Street Lights	0.0%	0.0%	0.0%	35.2%	29.0%	0.0%		0.0%	0.0%

kW	2011	2012	2013	2014	2015	2016	2016 Adjustment	2017	2017 Adjustment
GS<50	50.0%	0.0%	0.0%	29.1%	3.7%	28.7%	71.4%	66.0%	22.7%
GS>50	50.0%	100.0%	70.9%	96.3%	56.0%	28.6%		34.0%	77.3%
Street Lights	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%





1	2023	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	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Category	Item	Status	Region A Performance						Region B Performance	Region C Performance	Global Summary Metrics										Overall Score
			Q1	Q2	Q3	Q4	YTD	Total			Avg	Max	Min	StDev	Range	Growth	Efficiency	Quality	Compliance		
Product Line X	Item X-001	Active	120	130	140	150	540	85	90	95	1000	100	1100	900	120	200	5%	92%	98%	95%	95
	Item X-002	Active	110	120	130	140	500	80	85	90	950	95	1050	850	110	190	4%	90%	96%	94%	92
	Item X-003	Active	100	110	120	130	460	75	80	85	900	90	1000	800	100	180	3%	88%	94%	92%	90
	Item X-004	Active	90	100	110	120	420	70	75	80	850	85	950	750	90	170	2%	85%	92%	90%	88
	Item X-005	Active	80	90	100	110	380	65	70	75	800	80	900	700	80	160	1%	82%	90%	88%	85
	Item X-006	Active	70	80	90	100	340	60	65	70	750	75	850	650	70	150	0%	80%	88%	86%	82
	Item X-007	Active	60	70	80	90	300	55	60	65	700	70	800	600	60	140	-1%	78%	86%	84%	80
	Item X-008	Active	50	60	70	80	260	50	55	60	650	65	750	550	50	130	-2%	75%	84%	82%	78
	Item X-009	Active	40	50	60	70	220	45	50	55	600	60	700	500	40	120	-3%	72%	82%	80%	75
	Item X-010	Active	30	40	50	60	180	40	45	50	550	55	650	450	30	110	-4%	70%	80%	78%	72
Subtotal for Product Line X			720	800	880	960	3360	70	75	80	8500	85	9500	7500	720	1500	0%	85%	92%	90%	85

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Category	Item	Status	Region A Performance						Region B Performance	Region C Performance	Global Summary Metrics										Overall Score
			Q1	Q2	Q3	Q4	YTD	Total			Avg	Max	Min	StDev	Range	Growth	Efficiency	Quality	Compliance		
Product Line X	Item X-001	Active	120	130	140	150	540	70	75	80	900	90	1000	800	110	200	5%	92%	98%	99%	95
	Item X-002	Active	110	120	130	140	500	65	70	75	850	85	950	750	100	190	4%	90%	97%	98%	93
	Item X-003	Active	100	110	120	130	460	60	65	70	800	80	900	700	90	180	3%	88%	96%	97%	90
	Item X-004	Active	90	100	110	120	420	55	60	65	750	75	850	650	80	170	2%	86%	94%	96%	87
	Item X-005	Active	80	90	100	110	380	50	55	60	700	70	800	600	70	160	1%	84%	92%	95%	84
	Item X-006	Active	70	80	90	100	340	45	50	55	650	65	750	550	60	150	0%	82%	90%	94%	81
	Item X-007	Active	60	70	80	90	300	40	45	50	600	60	700	500	50	140	-1%	80%	88%	92%	78
	Item X-008	Active	50	60	70	80	260	35	40	45	550	55	650	450	40	130	-2%	78%	86%	90%	75
	Item X-009	Active	40	50	60	70	220	30	35	40	500	50	600	400	30	120	-3%	76%	84%	88%	72
	Item X-010	Active	30	40	50	60	180	25	30	35	450	45	550	350	20	110	-4%	74%	82%	86%	69
Subtotal for Product Line X			600	660	720	780	2760	55	60	65	7500	75	8500	7500	600	1200	0%	85%	92%	95%	82
Product Line Y	Item Y-001	Active	150	160	170	180	660	90	95	100	1100	110	1200	1000	130	220	6%	95%	99%	97%	98
	Item Y-002	Active	140	150	160	170	620	85	90	95	1050	105	1150	950	120	210	5%	93%	98%	96%	96
	Item Y-003	Active	130	140	150	160	580	80	85	90	1000	100	1100	900	110	200	4%	91%	97%	95%	94
	Item Y-004	Active	120	130	140	150	540	75	80	85	950	95	1050	850	100	190	3%	89%	96%	94%	92
	Item Y-005	Active	110	120	130	140	500	70	75	80	900	90	1000	800	90	180	2%	87%	94%	92%	90
	Item Y-006	Active	100	110	120	130	460	65	70	75	850	85	950	750	80	170	1%	85%	92%	90%	88
	Item Y-007	Active	90	100	110	120	420	60	65	70	800	80	900	700	70	160	0%	83%	90%	88%	85
	Item Y-008	Active	80	90	100	110	380	55	60	65	750	75	850	650	60	150	-1%	81%	88%	86%	82
	Item Y-009	Active	70	80	90	100	340	50	55	60	700	70	800	600	50	140	-2%	79%	86%	84%	80
	Item Y-010	Active	60	70	80	90	300	45	50	55	650	65	750	550	40	130	-3%	77%	84%	82%	78
Subtotal for Product Line Y			900	980	1060	1140	3980	75	80	85	10500	105	11500	9500	900	1800	1%	88%	95%	93%	88
Grand Total			1500	1640	1780	1920	7240	130	140	150	18000	180	20000	17000	1500	3000	0%	90%	96%	95%	92

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## LRAMVA Work Form: Carrying Charges by Rate Class

Version 4.0 (2020)

**Legend**

Enter Inputs (Green)
Auto Populated Cells (Blue)
Instructions (Grey)

- Instructions**
- Please update Table 6 as we approved prescribed interest rates for deferred and variance amounts become available. Monthly interest rates are used to calculate the variance on the carrying charges for LRAMVA. Starting from column 1, the principal will auto-populate as monthly variances in Table 6-a, and are multiplied by the interest rate from column 11 to determine the monthly variances on carrying charges for each rate class by year.
  - The annual carrying charges table in Table 6-a below details the amount that was originally collected to meet the 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 "Forecasted CDM" row in order to clear the balance and calculate outstanding variances on carrying charges.
  - Please calculate the projected interest amounts in the LRAMVA work form. Project carrying charges amounts recorded 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 formulae to calculate the projected interest amounts, please adjust the formulae in Table 6-a accordingly.

**Table 6. Prescribed Interest Rates**

Quarter	Approved Deferred & Variance Amounts
2013 Q1	1.00%
2013 Q2	1.00%
2013 Q3	1.00%
2013 Q4	1.00%
2014 Q1	1.00%
2014 Q2	1.00%
2014 Q3	1.00%
2014 Q4	1.00%
2015 Q1	1.00%
2015 Q2	1.00%
2015 Q3	1.00%
2015 Q4	1.00%
2016 Q1	1.00%
2016 Q2	1.00%
2016 Q3	1.00%
2016 Q4	1.00%
2017 Q1	1.00%
2017 Q2	1.00%
2017 Q3	1.00%
2017 Q4	1.00%
2018 Q1	1.00%
2018 Q2	1.00%
2018 Q3	1.00%
2018 Q4	1.00%
2019 Q1	1.00%
2019 Q2	1.00%
2019 Q3	1.00%
2019 Q4	1.00%
2020 Q1	1.00%
2020 Q2	1.00%

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

[Click this section](#)

Month	Period	Quarter	Monthly Rate	Residential	GS-2 LMP	GS 36 TO 438 PWT	Street Lighting	Total
Jan-11	2011	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-11	2011	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Mar-11	2011	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Apr-11	2011	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
May-11	2011	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jun-11	2011	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jul-11	2011	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Aug-11	2011	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sep-11	2011	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Oct-11	2011	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Nov-11	2011	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dec-11	2011	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-12	2012	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-12	2012	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Mar-12	2012	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Apr-12	2012	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
May-12	2012	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jun-12	2012	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jul-12	2012	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Aug-12	2012	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sep-12	2012	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Oct-12	2012	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Nov-12	2012	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dec-12	2012	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-13	2013	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-13	2013	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Mar-13	2013	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Apr-13	2013	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
May-13	2013	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jun-13	2013	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jul-13	2013	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Aug-13	2013	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sep-13	2013	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Oct-13	2013	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Nov-13	2013	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dec-13	2013	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-14	2014	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-14	2014	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Mar-14	2014	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Apr-14	2014	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
May-14	2014	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jun-14	2014	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jul-14	2014	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Aug-14	2014	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sep-14	2014	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Oct-14	2014	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Nov-14	2014	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dec-14	2014	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-15	2015	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-15	2015	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Mar-15	2015	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Apr-15	2015	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
May-15	2015	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jun-15	2015	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jul-15	2015	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Aug-15	2015	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sep-15	2015	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Oct-15	2015	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Nov-15	2015	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dec-15	2015	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-16	2016	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-16	2016	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Mar-16	2016	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Apr-16	2016	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
May-16	2016	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jun-16	2016	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jul-16	2016	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Aug-16	2016	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sep-16	2016	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Oct-16	2016	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Nov-16	2016	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dec-16	2016	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-17	2017	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-17	2017	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Mar-17	2017	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Apr-17	2017	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
May-17	2017	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jun-17	2017	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jul-17	2017	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Aug-17	2017	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sep-17	2017	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Oct-17	2017	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Nov-17	2017	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dec-17	2017	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-18	2018	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-18	2018	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Mar-18	2018	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Apr-18	2018	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
May-18	2018	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jun-18	2018	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jul-18	2018	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Aug-18	2018	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sep-18	2018	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Oct-18	2018	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Nov-18	2018	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dec-18	2018	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-19	2019	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-19	2019	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Mar-19	2019	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Apr-19	2019	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
May-19	2019	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jun-19	2019	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jul-19	2019	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Aug-19	2019	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sep-19	2019	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Oct-19	2019	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Nov-19	2019	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dec-19	2019	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-20	2020	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-20	2020	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Mar-20	2020	Q1	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Apr-20	2020	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
May-20	2020	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jun-20	2020	Q2	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jul-20	2020	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Aug-20	2020	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sep-20	2020	Q3	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Oct-20	2020	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Nov-20	2020	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dec-20	2020	Q4	1.00%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Legend

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

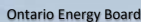
Instructions:  
(20pts)

1. Columns 1-10 of this form have been structured in a way to reflect the formation of the partnership record provided by the IRS. Please copy and paste the precise information in Initiative in Column 8. If you have the corresponding demand and answer schedule to Initiative in Column 1, it will fit the work form.
2. Please identify the source of the issue in the discussion box in Column 1.
3. To facilitate the identification of additional issues to be included in a substantive year's results report, it will be useful to sort the subjects by implementation year (Column 10). Please be aware that the subjects at the top of the list are the subjects at the top of the 10th implementation in current. Before you submit, please ensure that all identified issues have a year.
4. Please identify the specific issue(s) relevant to the current year's results report in the discussion box in Column 2. Current year issues will be identified as implementation year that reflects the year of the partnership record. A second submission will identify issues with a year's implementation in the future as your results are collected.

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 NIS.

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

[illegible]



## Version 4.0 (2020)

**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.

## Summary of Streetlighting Projects

Actual total revenue based on kW billing				
Month	Billed amount (kW)	Gross kW reduction	Net to Gross Ratio	Net kW reduction
Jan-17				122.65
Feb-17				122.65
Mar-17				122.65
Apr-17				122.65
May-17				122.65
Jun-17				122.65
Jul-17				122.65
Aug-17				122.65
Sep-17				122.65
Oct-17				122.65
Nov-17				122.65
Dec-17				122.65
<b>Total</b>				<b>1471.75</b>
Persistence in 200K				
Persistence in 200K				
Persistence in 200K				
Persistence in 200K				

Table 8-a: South Dundas

### Summary of Project #1

Actual total revenue based on kW billing				
Month	Billed amount (kW)	Gross kW reduction	Net to Gross Ratio	Net kW reduction
	a	b	c	d = a - b
Jan-17	127.70	75.64	0.78	55.93
Feb-17	123.68	75.64	0.74	55.93
Mar-17	75.64	75.64	0.74	55.93
Apr-17	75.64	75.64	0.74	55.93
May-17	75.64	75.64	0.74	55.93
Jun-17	75.64	75.64	0.74	55.93
Jul-17	75.64	75.64	0.74	55.93
Aug-17	75.64	75.64	0.74	55.93
Sep-17	75.64	75.64	0.74	55.93
Oct-17	75.64	75.64	0.74	55.93
Nov-17	75.64	75.64	0.74	55.93
Dec-17	75.64	75.64	0.74	55.93
<b>Total</b>				<b>671.64</b>
Percentage in 200X				
Percentage in 200Y				
Percentage in 200Z				

### Details of Project #1 (Month, Year)

[illegible]

Post-conversion billing demand	2017
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Fixture type	Billed Wattage (kW)	Quantity	Billed amount (RM)
	$d_i$	$e_i$	$d_i \times e_i$
HPS	0.096	7	0.67
HPS	0.306	19	5.81
HPS	0.245	7	1.71
HPS	0.458	4	1.83
HPS	0.132	37	4.88
HPS	0.192	13	2.49
Induction	0.13	3	0.39
LED	0.049	260	12.74
LED	0.078	153	11.93
LED	0.105	187	19.63
Total			82.96

Table 8-b: Cardinal

### Summary of Project #1

Actual last revenue based on kW billing					
Month	Billable (kW)	Gross kW reduction	Net to Gross Ratio	Net kW reduction	
	a	b	c	b * c	
Jan-17	4,334	27.28	0.74	20.18	
Feb-17	19,066	27.28	0.74	20.18	
Mar-17		27.28	0.74	20.18	
Apr-17		27.28	0.74	20.18	
May-17		27.28	0.74	20.18	
Jun-17		27.28	0.74	20.18	
Jul-17		27.28	0.74	20.18	
Aug-17		27.28	0.74	20.18	
Sep-17		27.28	0.74	20.18	
Oct-17		27.28	0.74	20.18	
Nov-17		27.28	0.74	20.18	
Dec-17		27.28	0.74	20.18	
<b>Total</b>				<b>242.25</b>	
Persistence in 200X					
Persistence in 200Y					
Persistence in 200Z					
Persistence in 200X					
Persistence in 200Y					
Persistence in 200Z					

### Details of Project #1 (Month, Year)

<b>Details of Project w2 (Monthly) Year</b>					
<b>Prior conversion billing demand      2013</b>					
<b>Fixture type</b>	<b>Billing Wattage (kW)</b>	<b>Quantity</b>	<b>Billed amount (kW) d * e</b>		
	d	e	f		
Unknown		1	4	4	
HPS	0.232	137	18.084		
HPS	0.192	78	14.976		
HPS	0.306	7	2.142		
Unknown	0.454	2	0.908		
Unknown	0.75	2	1.5		
HPS	0.201	2	0.402		
HPS	0.0794	4	0.3176		
Induction	0.1002	4	0.4008		
HPS	0.1534	4	0.6136		
Total				A3-34	

1000

[illegible]

Table 8-c: Prescott

### Summary of Project #1

Summary Objectives					
	Actual lost revenue based on kW billing				
Month	Billed amount (kW)	Gross kW reduction	Net to Gross Ratio	Net kW reduction	
	a	b	c	d = b * c	
Jan-17	111.76	62.83	0.74	46.49	
Feb-17	88.83	62.83	0.74	46.49	
Mar-17		62.83	0.74	46.49	
Apr-17		62.83	0.74	46.49	
May-17		62.83	0.74	46.49	
Jun-17		62.83	0.74	46.49	
Jul-17		62.83	0.74	46.49	
Aug-17		62.83	0.74	46.49	
Sep-17		62.83	0.74	46.49	
Oct-17		62.83	0.74	46.49	
Nov-17		62.83	0.74	46.49	
Dec-17		62.83	0.74	46.49	
<b>Total</b>				<b>\$57.90</b>	
Persistence in 200K					
Persistence in 200K					
Persistence in 200K					
Persistence in 200K					

### Details of Project #1 (Month, Year)

Details of Project #1 (Monthly), Year					
Pre-conversion billing demand				2013	
	Fixture type	Billing	Quantity	Billed amount (kW)	
		Wattage (kW)			
	HPS	0.096	18	1.536	
	HPS	0.112	185	24.42	
	HPS	0.192	274	52.608	
	HPS	0.306	100	30.6	
	HPS	0.245	8	1.947	
	HPS	0.295	2	0.59	
	Induction	0.0794	1	0.0794	
	Induction	0.1002	3	0.3006	
	Induction	0.1534	1	0.1534	

Post-conversion billing demand	2017
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Fixture type	Billing Wattage (kW)	Quantity	Billed amount (RM)
	$d_1$	$e_1$	$d_1 \times e_1$
HPS	0.096	16	1.53
HPS	0.192	87	16.70
HPS	0.306	3	0.91
HPS	0.245	6	1.47
HPS	0.295	2	0.59
Induction	0.0784	1	0.078
LED	0.043	235	10.10
LED	0.056	127	7.11
LED	0.073	52	3.79
LED	0.101	8	0.80
LED	0.112	48	5.37
LED	0.168	3	0.50
LED	0.1	1	0
Total			69.92