



CANADIAN NIAGARA POWER INC.

A **FORTIS** ONTARIO
Company

An Application
By
Canadian Niagara Power Inc.
To Adjust
Electricity Distribution Rates
Effective January 1, 2024

EB-2023-0009

Filed: August 17, 2023

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Attachments:

A:	Certification of Evidence
B:	2024 IRM Rate Generator (excel version submitted separately)
C:	2024 GA Analysis Workform (excel version submitted separately)
D:	Current Tariff of Rates and Charges
E:	Proposed Tariff of Rates and Charges
F:	Z-Factor Notification and MED Report
G:	Z-Factor Calculations (excel version submitted separately)
H:	LRAMVA Calculations (excel version submitted separately)
I:	LRAMVA Supporting Documentation (excel versions submitted separately)
J:	2024 IRM Checklist

ONTARIO ENERGY BOARD

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

AND IN THE MATTER OF an Application by Canadian
Niagara Power Inc. for an Order or Orders pursuant to
Section 78 of the *Ontario Energy Board Act, 1998*
approving or fixing just and reasonable rates and other
service charges for the distribution of electricity.

APPLICATION

1. The applicant is Canadian Niagara Power Inc. ("CNPI" or the "Applicant"), a licensed distributor (ED-2002-0572) that owns and operates electricity distribution systems in Fort Erie, Port Colborne and Gananoque. CNPI is an Ontario corporation with its head office in Fort Erie, and is a wholly-owned subsidiary of FortisOntario Inc.
2. CNPI hereby applies to the Ontario Energy Board (the "Board" or the "OEB"), pursuant to section 78 of the *Ontario Energy Board Act, 1998* as amended (the "OEB Act") for an Order or Orders approving its proposed electricity distribution rates and other charges, effective January 1, 2024.
3. Effective January 1, 2023 in the matter of EB-2022-0019, the Board approved electricity distribution rates for CNPI's electricity distribution customers.
4. CNPI is seeking approval for electricity distribution rates using the OEB's 2024 IRM Rate Generator Model. CNPI confirms that pre-populated values and billing determinants in the models as filed are accurate.

5. In this Application, CNPI is applying to the Board to change the amount it charges for the delivery of electricity as follows:
 - A Residential RPP customer consuming 750 kWh per month would experience a total bill increase of \$3.72 or 2.71%.
 - A small general service RPP customer consuming 2000 kWh would experience a total bill increase of \$11.34 or 3.32%.
6. The persons affected by this Application are the ratepayers of CNPI's Fort Erie, Port Colborne and Gananoque service territories.
7. The Applicant confirms that the Application and related documents will be published on its website (www.cnpower.com)
8. The Applicant requests that, pursuant to Section 32.01 of the OEB's *Rules of Practice and Procedure*, this proceeding be conducted by way of written hearing, or delegated authority.
9. The Applicant requests that a copy of all documents filed with the OEB in this proceeding be served on the Applicant, by email, as follows:

Oana Stefan
Manager, Regulatory Affairs
Canadian Niagara Power Inc.
Phone: 905-871-0330 ext. 3271

Email Address: regulatoryaffairs@fortisontario.com
10. In addition to the written evidence provided herein, the following live Microsoft Excel models have been filed in conjunction with the Application:
 - CNPI_2024_IRM-Rate-Generator-Model_20230817
 - CNPI_2024_GA_Analysis_Workform_20230817
 - CNPI_2024_Z Factor Calculations_20230817

- CNPI_2024_LRAMVA_Workform_FINAL_20230817.xlsx
- CNPI_2024_IRM_Checklist_20230817.xlsx
- CNPI 2024 LRAMVA Support_2017 Final Verified Annual LDC CDM
Program Results_CNPI_20230817
- CNPI_Participation and Cost Report_2019 04 20230817
- CNPI_2019 Retrofit Detailed Data_20230817

1.0 MANAGER'S SUMMARY

1.1 PREAMBLE

This Application was prepared in accordance with Chapter 3, Incentive Rate Setting Applications, of the Board's Filing Requirements for Electricity Distribution Rate Applications – 2023 Edition for 2024 Rate Applications, dated May June 15, 2023 (the "Filing Requirements"). In Attachment J, CNPI has completed the OEB's 2024 IRM application checklist, which identifies where in this Application CNPI has complied with each applicable requirement. All rates referenced in this Manager's Summary and included in the accompanying 2024 Proposed Tariff of Rates and Charges are based on the output of the OEB's 2024 IRM Rate Generator Model (the "2024 IRM Model" or the "IRM Model", included as Attachment B).

This Application contains a Z-factor claim related to a severe weather event in the Niagara Region on December 23, 2022. Details required by the OEB's Z-factor filing guidelines are provided in Section 1.9 of this Manager's Summary.

The following table summarizes CNPI's 2024 proposed distribution rates, as compared to its current approved rates.

Table 1 – Distribution Rate Summary

Rate Class	Current MFC	Current Volumetric Charge	Price Cap Index	Proposed MFC	Proposed Volumetric Charge
Residential	\$ 41.47		4.35%	\$43.27	\$ -
General Service Less Than 50 kW	\$ 34.94	\$ 0.0284	4.35%	\$36.46	\$ 0.0296
General Service 50 TO 4,999 KW	\$ 175.22	\$ 8.2729	4.35%	\$182.84	\$ 8.6328
Embedded Distributor	\$ 630.48	\$ 9.5266	4.35%	\$657.91	\$ 9.9410
Unmetered Scattered Load	\$ 55.09	\$ 0.0299	4.35%	\$57.49	\$ 0.0312
Standby Power	\$ -	\$ 1.3591	4.35%	\$0.00	\$ 1.4182
Sentinel Lighting	\$ 6.31	\$ 7.2894	4.35%	\$6.58	\$ 7.6065
Street Lighting	\$ 4.22	\$ 8.4198	4.35%	\$4.40	\$ 8.7861
microFIT	\$ 4.55			\$4.55	\$ -

1.2 ELEMENTS OF THE APPLICATION

This 2024 4th Generation Incentive Rate-setting Application includes discussion of the items listed below, with the relevant section of the Filing Requirements included in parentheses where applicable:

- The price cap adjustment for 2024 distribution rates (3.2.1)
- Bill Impacts(3.2.3)
- Retail Transmission Service Rates (3.2.4)
- Low Voltage Service Rates (3.2.5)
- Review and disposition of Group 1 DVA balances (3.2.6)
- LRAMVA (3.2.7)
- Tax changes (3.2.8)
- Z-factor claims (3.2.9)

For greater clarity, this Application does not include any claims, changes, requests or proposals in relation to any of the following items:

- Revenue-to-cost ratio adjustments (3.2.2)
- Advanced Capital Module (3.3.1)
- Incremental Capital Module (3.3.2)
- 'Eligible Investments' (3.3.3)

1.3 PRICE CAP ADJUSTMENT

CNPI is submitting this Application with a price cap adjustment of 4.35%. This is based on the 2024 rate-setting parameters: an inflation factor of 4.8%¹, a productivity factor of 0.0%, and a stretch factor of 0.45%². All factors have been announced for 2024 rate setting and reflected in Tab 17 of the Rate Generator Model supporting this Application.

¹ Issued via OEB Letter on June 29, 2023

² Issued via the Total Cost Benchmarking Updates for 2022, issued on July 18, 2023.

1.4 RETAIL TRANSMISSION SERVICE RATES (“RTSR”)

CNPI is proposing 2024 Retail Transmission Service Rates (“RTSR”) that are compliant with the Board’s Guideline G-2008-0001, Revision 4.0, dated June 28, 2012. CNPI’s proposed 2024 RTSR rates are calculated in Tabs 10-15 of the 2024 IRM Model. An electronic version of the Model has been filed with this Application, and a print version of the Model has been provided in Attachment B to this Application.

CNPI’s proposed RTSRs effective January 1, 2024 are shown in Table 2 below. The proposed RTSR are based on the output of the IRM Model, which at the time of this Application uses the approved interim 2023 UTR and approved Hydro One sub-transmission rates as placeholders for 2024 rates. CNPI requests that once any 2024 UTR or Hydro One sub-transmission rates are approved, OEB Staff will update the model accordingly.

Table 2 – RTSR Summary

<u>Residential</u>	<u>Unit</u>	<u>2023 Approved</u>	<u>2024 Proposed</u>
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0100	0.0098
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0077	0.0077
<u>General Service Less Than 50 kW</u>			
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0086	0.0084
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0067	0.0067
<u>General Service 50 TO 4,999 KW</u>			
Retail Transmission Rate - Network Service Rate	/kW	3.6282	3.5423
Retail Transmission Rate - Line and Transformation Connection Service Rate	/kW	2.7620	2.7676
<u>Embedded Distributor</u>			
Retail Transmission Rate - Network Service Rate	/kW	3.6282	3.5423
Retail Transmission Rate - Line and Transformation Connection Service Rate	/kW	2.7620	2.7676
<u>Unmetered Scattered Load</u>			
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0089	0.0087
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0068	0.0068
<u>Sentinel Lighting</u>			
Retail Transmission Rate - Network Service Rate	/kW	3.0919	3.0187
Retail Transmission Rate - Line and Transformation Connection Service Rate	/kW	2.2540	2.2586
<u>Street Lighting</u>			
Retail Transmission Rate - Network Service Rate	/kW	2.6855	2.6219
Retail Transmission Rate - Line and Transformation Connection Service Rate	/kW	2.1074	2.1117

1.5 REVIEW AND DISPOSITION OF GROUP 1 DEFERRAL AND VARIANCE ACCOUNTS

In accordance with the Filing Requirements, CNPI verified pre-populated values and otherwise populated the relevant Group 1 Deferral and Variance Accounts (“DVA”) tabs within the 2024 IRM Rate Generator Model. A print version of the DVA Workform is provided in Attachment B to this Application. CNPI confirms that the opening interest and principal amounts for the Group 1 balances shown in the continuity schedule reconcile with the last applicable approved closing balances.

In the table below, the threshold test using the Group 1 Sub-Total (including Account 1589 - Global Adjustment) yields a value of \$0.0023 per kWh which exceeds the threshold set out in Chapter 3. Accordingly, CNPI requests the disposition of its Group 1 accounts.

Table 3 – Threshold Test

Threshold Test

Total Claim (including Account 1568 and 1509)	\$1,138,071
Total Claim for Threshold Test (All Group 1 Accounts)	\$1,091,348
Threshold Test (Total claim per kWh) ²	\$0.0023

The following table details the reconciliation of the DVA Workform with CNPI RRR filings as at December 31, 2022:

Table 4 – Reconciliation of DVA Workform to RRR Filings

Explanation of Variances Between 2.1.7 RRR Filing and DVA WorkForm				
Canadian Niagara Power Inc.				
EB-2023-0009				
Balances as at December 31, 2022				
Group 1 Accounts	Account Number	Per DVA Work Form	Per 2.1.7 Filing	Variance
LV Variance Account	1550	79,984	79,984	-
Smart Metering Entity Charge Variance Account	1551	(95,676)	(95,675)	1 rounding
RSVA - Wholesale Market Service Charge	1580	1,256,287	1,174,491	(81,796) A
Variance WMS – Sub-account CBR Class A	1580	-	-	-
Variance WMS – Sub-account CBR Class B	1580	(81,797)	(81,798)	(1) rounding
RSVA - Retail Transmission Network Charge	1584	879,445	879,446	1 rounding
RSVA - Retail Transmission Connection Charge	1586	21,046	21,047	1 rounding
RSVA - Power (excluding Global Adjustment)	1588	(342,318)	1,174,681	1,516,999 B
RSVA - Global Adjustment	1589	(44,182)	(317,183)	(273,001) C
Disposition and Recovery/Refund of Regulatory Balances (2017 and pre-2017)	1595	672	673	1 rounding
Disposition and Recovery/Refund of Regulatory Balances (2018)	1595	(65)	(66)	(1) rounding
Disposition and Recovery/Refund of Regulatory Balances (2019)	1595	(13,339)	(13,339)	-
Disposition and Recovery/Refund of Regulatory Balances (2020)	1595	61,362	61,363	1 rounding
Disposition and Recovery/Refund of Regulatory Balances (2021)	1595	97,989	97,989	-
Disposition and Recovery/Refund of Regulatory Balances (2022)	1595	(41,976)	(41,976)	- rounding
		1,777,432	2,939,637	1,162,205
LRAM Variance Account	1568	46,723	(1)	(46,724) D

Notes:

A Balance in 2.1.7 filing includes CBR Class B balance which is reported as a sub-account in the DVA continuity schedule.

B Variance relates to:

Differences Explained	
IESO CT 142 and 148 (and H1 Bill 10 Adj and GA charges) true-up of commodity and GA charges based on actual RPP volumes	(85,000)
2022 MicroFit + FIT true-up	(20,000)
Difference between Dec 2022 unbilled commodity revenue accrual and billed actual	282,000
Difference between Dec 2022 IESO CT 101 (and H1 Electricity) accrual and billed actual	(51,000)
GS> 50 rate class prior period billing correction (completed in 2023) for a customer	42,000
Correction in 2023 to a 2022 IESO CT 142 submission	1,349,000
Total differences explained	1,517,000
Per above	1,516,999
Unexplained difference	1 rounding

C Variance relates to:

Differences Explained	
IESO CT 148 (and H1 GA charges) true-up of GA charges based on actual RPP/non-RPP volumes	(30,000)
Difference between Dec 2022 unbilled GA revenue accrual and billed actual	(258,000)
Difference between Dec 2022 unbilled GA Class A revenue accrual and IESO Class A CT 147 expense accrual	(113,000)
GS> 50 prior period billing correction (completed in 2023) for a customer	128,000
Total differences explained	(273,000)
Per above	(273,001)
Unexplained difference	1 rounding

D Variance relates to LRAM claim being requested within this application.

1.5.1 Adjustments to DVA Balances

CNPI has not made any material adjustments to DVA balances that were previously approved by the Board on a final basis in both Cost of Service (“CoS”) and IRM proceedings (i.e. balances that were adjusted subsequent to the balance sheet date that were cleared in the most recent rates proceeding).

1.5.2 1595 Residual Balances

CNPI is requesting disposition of its 1595 (2020) residual account balance as two years have passed since the expiry date of the rate riders which was December 31, 2020. CNPI confirms that the residual balance of \$61,370 is not material. CNPI confirms that residual balances in Account 1595 sub-accounts for each vintage year have only been disposed once.

1.5.3 Global Adjustment

CNPI had both Class A and Class B customers throughout the period requested for disposition within this Application. CNPI had transition customers in 2021, but none in 2022. CNPI has completed tab 6 with the billing statistics for the full-year Class A customers (in 2021 and 2022) and the transition customers (in 2021).

In accordance with the Filing Requirements, CNPI has completed the GA Analysis Workform. An electronic copy of the Workform has been filed in conjunction with this Application, and a print version of the Workform has been provided in Attachment C to this Application. The unexplained variance is within the +/- 1% threshold of total annual IESO GA charges.

CNPI bills its customers based on calendar month billing, meaning that for regular billing, all customers receive an invoice for the full calendar month (1st to the 30th or 31st, as applicable). Therefore, the Class B Non-RPP monthly consumption³ was available and was used in the GA Workform. It was determined that this method provides more direct and accurate information than using billed and unbilled estimate amounts.

³ As calculated through the Regulated Price Settlement process for each month.

Although the disposition of account 1589 does not result in a GA rate rider calculation in tab 6.1 of the model due to its immaterial claim amount, CNPI is still requesting a transfer of the balance to the appropriate 1595 sub-account in order to proceed with the disposition of all Group 1 account balances.

1.5.4 Commodity Accounts 1588 and 1589

CNPI confirms that it has followed the accounting guidance related to Accounts 1588 Power, and 1589 RSVA Global Adjustment as laid out in the OEB letter issued on February 21, 2019. The transactions recorded in these accounts during 2022 were accounted for accordance with this guidance.

1.5.5 Capacity Based Recovery (CBR)

CNPI has followed the accounting guidance on disposition of CBR variances. The relevant tabs have been completed within the 2024 IRM Model to ensure appropriate allocation of the CBR balance being request for disposition within this Application. Note, consistent with the discussion above, there were no Class A/B transition customers in 2022, and as a result there are no customer-specific transition customer recoveries calculated.

1.5.6 Disposition of DVA Balances

CNPI has used the same allocation methodology as used in previous proceedings to assign Group 1 balances to its rate classes. CNPI confirms it is proposing final disposition of the balances in question.

In consideration of the treatment for Group 1 account balances outlined in the Filing Requirements, CNPI is proposing a one-year disposition period, which is the standard approach.

CNPI has reviewed the total bill impacts for all customer classes, none of which exceed 10%. A such, in accordance with the Filing Requirements, no mitigation plan is required.

Rate rider calculations can be found in the electronic copy of the 2024 IRM Rate Generator Model that has been submitted with this Application. A print version of the Model has been provided in Attachment B to this Application.

1.6 LOW VOLTAGE SERVICE RATES

The 2024 Filing Requirements have introduced the option for LDCs to update their Low Voltage rates during the IRM term. Previously, these rates were only eligible for updates during a Cost-Based application.

CNPI is proposing to update its Low Voltage rates in this Application in order to minimize variance accumulation in its Low Voltage Account (USOA 1550).

CNPI is embedded to Hydro One Networks Inc. at two delivery points and pays low voltage rates for these delivery points. The entirety of CNPI's Eastern Ontario Power (EOP) service territory is fully embedded in Hydro One's distribution system through a single point of supply from Hydro One's 44 kV system. Additionally, a small section of CNPI's Port Colborne distribution system is supplied from Hydro One's Crowland M13 Feeder.

CNPI has populated tabs 16.1 and 16.2 with the required information regarding low voltage rates. The monthly charge details have been provided for 2022 low voltage costs.

The low voltage costs for 2022 were allocated among the rate classes in proportion to transmission connection rate revenues. The allocated low voltage expense per rate class was then converted to a rate rider based on the total loss adjusted kWh or metered kW for each rate class, as applicable. 2022 consumption and load were used for the billing units in the LV Rate Calculations.

CNPI notes that the current (2023) Low Voltage rates were set in CNPI's 2022 COS rate Application and were based on a total cost of \$149,224.

Table 5 – Current and Proposed Low Voltage Rates

Rate Class	Unit	Current LV Rate	Proposed LV Rate
Residential	kWh	0.0003	0.0004
General Service Less Than 50 kW	kWh	0.0003	0.0004
General Service 50 TO 4,999 KW	kW	0.1094	0.1448
Embedded Distributor	kW	0.1094	0.1448
Unmetered Scattered Load	kWh	0.0003	0.0004
Standby Power	kW	-	-
Sentinel Lighting	kW	0.0892	0.1182
Street Lighting	kW	0.0834	0.1105

The resultant proposed LV Rates are outlined in the table above.

The filing requirements, section 3.2.5 require that the actual low voltage costs for the last five historical years be provided, with explanations for substantive year-over-year variances. CNPI notes the Tariff and Bill impacts for the GS 50 to 4,999 kW class does not correctly reflect the proposed LV rate and requests the OEB staff make changes to the Rate model to reflect this.

Table 6- Historic Low Voltage Expense

	2018	2019	2020	2021	2022
LV Charges	\$ 138,691.00	\$ 150,200.00	\$ 158,781.00	\$ 157,555.00	\$ 188,090.00
YOY Variance		\$ 11,509.00	\$ 8,581.00	-\$ 1,226.00	\$ 30,535.00

Note: LV charges recorded in each year represent the amounts billed to CNP. For example, 2022 is inclusive of December 2021 charges billed in January 2022, but excludes the invoice for December 2022 consumption billed in 2023. 2022 charges differ from the total charges expressed in Tab 16.1 which outlines the charges for consumption in 2022.

While the increase from 2021 to 2022 is not material, CNPI notes that Hydro One sub-transmission rates increased between 2021 and 2022, including the expiration of several credit rate riders.

1.7 LRAMVA

The lost revenue adjustment mechanism variance account (LRAMVA) is a retrospective adjustment designed to account for differences between forecast revenue loss attributable to CDM activity embedded in rates and actual revenue loss due to the impacts of CDM programs. The OEB established Account 1568 as the LRAMVA to capture the difference between the OEB-approved CDM forecast and actual results at the customer rate class level.

CNPI last disposed of the LRAMVA balance as at December 31, 2020 in its 2022 Cost of Service Rate Application (EB-2021-0001). During the reply submissions in its 2023 Incentive Rate-Setting Application, CNPI requested⁴ and the Board Approved⁵, that CNPI would be eligible to bring forward further LRAMVA balances relating to 2021 CDM savings in a future application, subject to CNPI forgoing the associated carrying charges.

CNPI does not have any rate-funded CDM Programs or Local Initiatives Program activities. As such, the balance being requested for disposition relates to Conservation First Framework (CFF) program persistence into 2021. As CNPI rebased its rates for 2022, CNPI understands, in accordance with section 3.2.7.1, that no further persistence is expected, and no prospective disposition into future years is being requested.

CNPI requests that its LRAMVA account not be discontinued, in order for the account to be available in case any rate-funded CDM Programs, Local Initiatives Programs, or any future other eligible activities should necessitate the use of the account. CNPI understands it would need to request approval from the OEB for any such programs.

1.7.1 Supporting Evidence for CFF Savings:

The energy and demand savings by program entered in Tab 5 (2015-2020 LRAM) of the LRAMVA Workform (included as Attachment H to this Application) are supported by CNPI's final verified annual CDM program results (for results up to and including 2017),

⁴ CNPI Reply Submissions in EB-2022-0019, Dated November 7, 2022, pages 5-6

⁵ OEB Decision in EB-2022-0019, dated December 8, 2022, page 12.

and by CNPI's April 2019 IESO Participation and Cost Report (for results from January 2018 to March 2019, inclusive).

The Filing Requirements allow detailed project level savings files as supporting documentation when assessing applications for lost revenues in relation to energy and demand savings from programs delivered under the CFF where final verified results from the IESO are not available.

Between April 2019 and December 2019, CNPI completed 25 outstanding projects under the Save on Energy Retrofit Program (the "Retrofit Program"), with material energy and demand savings associated with those projects not captured in any reports issued by the IESO. Accordingly, CNPI has included these savings in the LRAMVA workform, with a supporting project list included in Tab 10 of the workform. For ease of reconciling the 2019 Retrofit Program energy and demand savings between the Tab 5 of the LRAMVA workform, the April 2019 participation and cost report, and the April to December 2019 project list included in Tab 10 of the workform, the 2019 savings related to this program were entered as follows:

- January to March 2019 energy and demand savings, from the April 2019 participation and cost report, were entered in the "Verified" savings row (Row 881 on Tab 5 of the LRAMVA workform)
- April to December 2019 energy and demand savings, from the project list included in Tab 8 of the workform, were entered in the "True-Up" savings row (Row 882 on Tab 5 of the LRAMVA workform).⁶

While energy savings related to Street Lighting projects were included in the Save on Energy Retrofit Program, CNPI took a number of steps, consistent with its interrogatory

⁶ CNPI's 2021 IRM Application (EB-2020-0008) makes multiple references to January 2019 to April 2019 savings being included in the April 2019 participation and cost report and May 2019 to December 2019 savings from 24 projects being included in a supporting project list in Tab 8 of the LRAMVA workform. During interrogatories, CNPI clarified that a single project completed in April 2019 was not in fact included in the participation and cost report, and this project was therefore added to the supporting project list. See "CNP_IRR_Staff-10.xlsx" for details.

responses in EB-2020-0008 to make changes to the LRAMVA model to better account for lost revenue resulting from these projects⁷:

- i. Net energy savings for three Street Lighting projects under the Retrofit program were included in a new Table 8-a on Tab 8
- ii. Tables 8-c and 8-d were added to Tab 8 to confirm the actual reduction in billed Street Light demand by month resulting from these same three Street Lighting Projects
- iii. The 'High Performance New Construction' program rows on Tab 5 (previously unused as CNP had no savings related to this program) were replaced with the Retrofit Street Lighting energy savings from the new Table 8-a and demand savings from new Tables 8-c and 8-d
- iv. The Retrofit Program (excluding Street Lights) savings rows on Tab 5 were adjusted to exclude Street Lighting. The calculations to subtract the net energy savings associated with Street Lighting Projects are outlined in Tab 9 of the model (note that no similar adjustments were made for demand since the IESO-reported results for the Retrofit program indicated 0 demand reduction for the three Street Lighting projects)
- v. The remaining Retrofit energy and demand savings (i.e. reported program savings less reported Street Lighting savings) are allocated 25.71% to the GS < 50 kW and 74.29% to the GS > 50 kW rate classes, based on the calculations provided in Tab 3-a of the LRAMVA Workform
- vi. Since the demand savings related to Street Lighting projects on Tab 5 of the LRAMVA Workform are linked to the annual demand reductions as calculated on Tab 8, the demand multipliers on Tab 5 were changed from 12 to 1 to reflect the use of annual rather than monthly reductions in billed demand.

CNPI confirms that the program and persisting savings included in Tab 5 (2015-2020 LRAM) of the LRAMVA workform submitted with this Application are consistent with the values updated through interrogatory responses in EB-2020-0008, based on the supporting documents and interrogatory response references discussed above. CNPI

⁷ See EB-2020-0008, IRR Staff-13.

has filed the most recent versions of the IESO Final Verified Savings Report (2017) and the IESO Participation and Cost Report (April 2019). CNPI has also included the file *CNPI_2019 Retrofit Detailed Data* which outlines the details of the 25 Retrofit programs included in the LRAMVA claim which were completed after the cutoff date for the April 2019 P&C report.

1.7.2 Allocation of Energy and Demand Savings by Class

Many CFF “Save on Energy” programs, such as the Coupon Program, the Heating and Cooling Program, 23 the Energy Home Assistance Program, were designed solely for residential customers. As such, 100% of CNPI’s verified energy and demand savings associated with these programs are allocated to the residential rate class.

Similarly, other “Save on Energy” programs, such as Small Business Lighting and Business Refrigeration, were designed specifically for small businesses. CNPI’s verified energy and demand savings associated with these programs are allocated 98% to the GS<50 rate class, based on analysis of account eligibility⁸.

Consistent with the methodology approved in EB-2020-0008, the allocation of energy and demand savings by rate class achieved through the Save on Energy Retrofit program are based on CNPI’s comprehensive review of the associated rate class for each individual CFF project completed in 2016- 2019 to identify the associated rate class. The relevant calculations are provided in the first tab (LRAMVA) of the CNPI_2021_IRM_IRR_Staff-10.xlsx spreadsheet submitted with this Application.

Tab 3-a of the LRAMVA workform contains a summary of these allocations.

1.7.3 Additional Supporting Evidence for Disposition of the LRAMVA

CNPI has used the latest version of the LRAMVA Workform [version 8.0(2024)]. CNPI confirms the Final Verified Annual Reports have been used as the basis for the portion of the claims related to savings from CDM programs delivered in 2017 or earlier. The Final Verified Annual report is included in Attachment I.

⁸ A small number of GS>50 accounts met the eligibility criteria for Save on Energy “Small Business” programs, whereas all GS.

Participation and Cost Reports have been used to establish the CDM Program Results from January 1, 2018 to December 31, 2019. These reports are included with Attachment I.

All results included in these calculations are supported by either a Final Verified Annual Report or Participation and Cost Reports.

CNPI confirms it has reviewed the Participation and Cost reports to confirm that no personal information is included, including any hidden information.

1.7.4 LRAMVA Threshold

The applicable LRAMVA threshold for 2021 CDM savings is the threshold established in CNPI's 2017 Cost of Service Rate Application (EB-2016-0061). The LRAMVA threshold is outlined in the table below. In accordance with the Settlement Agreement, this amount was arrived at through a combination of the 2016 program results and 2017 program results. For this reason, CNPI has included CDM persistence starting with programs delivered in 2016 in its LRAMVA claim.

Table 8- LRAMVA Threshold

	Total	Residential	GS<50 kW	GS>50 kW	Street Light
		kWh	kWh	kW	kW
kWh	11,752,000	1,648,000.00	1,312,000.00	7,981,000.00	811,000.00
kW	28,112			25,607.00	2,505.00
Summary		1,648,000.00	1,312,000.00	25,607.00	2,505.00
Years Included in Threshold	2017-2021				
Source of Threshold	2017 Settlement Agreement, p33				

The LRAMVA threshold is expressed at the rate class level, and a separate variance amount has been calculated for each rate class. CNPI notes that for 2021, the rates for the distribution rates for the Residential classification were fully fixed and therefore a NIL variance has been assessed for the Residential Classification. The variances for the General Service 50 kW to 4,999 kW class and Street Light Class were calculated based on the peak demand savings and the kW distribution charge for those classes, consistent with the volumetric billing determinant for distribution rates in those classes.

1.7.5 Required information for LRAMVA Claim:

CNPI has recreated the required bullet points from the Filing Requirements below, with responses to each item with respect to this LRAMVA disposition request. CNPI notes that the disposition request is consistent with the dispositions in the 2021 (claim for 2016-2019) and 2022 (claim for 2020) rate years, aside from the extension of the persistence results from the same programs into 2021.

- *A statement identifying the year(s) of new lost revenues and prior year savings persistence claimed in the LRAMVA disposition.*

There are no new lost revenues included in CNPI's claim, only persistence from 2016- 2019 programs into 2021.

- *A statement confirming that the LRAMVA balances are based on verified savings results that are supported by the distributor's Final Verified Annual Report(s) (which include a Persistence Savings Report) issued by the IESO, where available. Reports must be filed in Excel format.*

CNPI confirms that the LRAMVA balances are based on verified savings results, as required by the Filing Requirements, including the Final Verified Annual Report for 2017 (Included in Attachment I) and the Participation and Cost Reports for 2018-2019 (included in Attachment I). The Final Verified Annual Report for 2017 includes a persistence savings report. All Attachments have been filed in Excel format.

- *A statement indicating that the distributor has relied on the most recent input assumptions available at the time of program evaluation.*

CNPI has relied upon the most recent input assumptions available at the time of program evaluation.

- *A summary table showing the principal and carrying charges amounts by rate class and the resultant rate riders for each rate class. Projected carrying charges related to the disposition should be calculated in the LRAMVA workflow.*

Please see table 8 below for the principal and carrying charges amounts by rate class, and resultant rate riders for each rate class. The Projected carrying charges related to the disposition have been calculated in the LRAMVA workflow, however pursuant to the OEB's Decision in CNPI's 2023 IRM Application, CNPI has not claimed any carrying charges.

- *A statement confirming the period of rate recovery*

CNPI is proposing to dispose of the LRAMVA balance over a one-year period as the rate riders are not expected to result in a material bill impact to customers, and the total bill impacts for all classes are below 10%.

- *Rationale must be provided for disposing the balance in the LRAMVA if, upon disposition, a significant rate rider is not generated for one or more rate classes.*

CNPI notes that all calculated rate riders for all rate classes are non-zero when rounded to four decimal places, and therefore are significant in CNPI's view.

- *Details related to the approved CDM forecast savings from the distributor's last rebasing application.*

CNPI's last rate application in 2022 did not contain any specific LRAMVA threshold. The Load Forecast included a CDM variable, which was based on persistence savings from programs until the end of 2019, and assumed no further new savings from 2020 programs and beyond. The applicable LRAMVA

threshold for the 2021 disposition is the threshold from the 2017 Cost of Service, the details of which are provided in the section above.

- *A statement explaining how the rate class allocations for actual CDM savings are determined by customer class and program for each year*

Please refer to section 1.7.2 for a description of the rate class allocations.

- *A statement confirming whether additional documentation or data is being provided in support of projects that were not included in the distributor's Final Verified Annual Reports and Participation and Cost reports (e.g., street lighting projects). Distributors' billing data by project must be included in Tab 8 of the LRAMVA workform, as applicable.*

Additional data is provided in Tab 10 of the LRAMVA Workform for 2019 Retrofit projects (with detailed supporting documentation included in Attachment I). Additionally, Tab 8 of the LRAMVA Workform contains detailed information and supporting calculations for the Street Lighting projects.

- *If not already filed in support of a previous LRAMVA application, distributors should provide Participation and Cost Reports and detailed project level savings files made available by the IESO and/or other supporting evidence to support the clearance of energy- and/or demand-related LRAMVA balances where final verified results from the IESO are not available. These reports should be filed in Excel format, similar to the previous Final Verified Annual Reports from 2015 to 2017.*

Please refer to the Participation and Cost report included in Attachment I, as well as the detailed information regarding the 2019 retrofit projects.

- *For a distributor's street lighting project(s) which may have been completed in collaboration with local municipalities, the following must be provided:*
 - *Explanation of the methodology used to calculate street lighting savings*

Please refer to the calculations provided in Tab 8 of the LRAMVA Workform, as well as the explanation in section 1.7.1 above.

- *Confirmation of whether the street lighting project(s) received funding from the IESO and the appropriate net-to-gross assumptions used to calculate streetlighting savings.*

CNPI confirms that all Street Lighting CDM projects were completed under the Retrofit Program.

- *For the recovery of lost revenues related to demand savings from streetlight upgrades, distributors should provide the following information:*

- *Explanation of the forecast demand savings from streetlights, including assumptions built into the load forecast from the last cost of service application.*

The forecasted demand savings for street lights included in the 2017 Cost of Service application from CDM programs were 811,000 kWh and 2,505 kW. This level of Savings was reflected in the threshold calculations included in this LRAMVA claim.

- *Confirmation that the streetlight upgrades represent incremental savings attributable to participation in the IESO program, and that any savings not*

attributable to the IESO program have been removed (for example, other upgrades under normal asset management plans).

The savings included on Tab 8 of the LRAMVA Workform were compiled from the application documentation specific to each application, and therefore are specific to the measures as a result of IESO program participation.

o Confirmation that the associated energy savings from the applicable IESO program have been removed from the LRAMVA Workform so as not to double count savings (for example, if requesting lost revenue recovery for the demand savings from a streetlight upgrade program, the associated energy savings from the Retrofit program have been subtracted from the Retrofit total).

Please refer to section 1.7.1 for an overview of how the Retrofit results for Street Lighting were separated from the non- Street Lighting results.

O Confirmation that the distributor has received reports from the participating municipality that validate the number and type of bulbs replaced or retrofitted through the IESO program.

The information regarding the number and type of bulbs replaced (as replicated on Tab 8) was provided in the original application from the applicable municipalities, which was approved by CNPI and submitted to the IESO.

o A table, in live Excel format, that shows the monthly breakdown of billed demand over the period of the streetlight upgrade project, and the detailed calculations of the change in billed demand due to the streetlight upgrade project (including data on number of bulbs, type of bulb replaced or retrofitted, average demand per bulb).

Please see LRAMVA Workform Tab 8.

- *For the recovery of lost revenues related to energy and demand savings from other programs that are not included in the Final Verified Annual Reports and Participation and Cost Reports (for example Combined Heat and Power projects), distributors should provide the following information:*

- o The third party evaluation report that describes the methodology to calculate the demand savings achieved for the program year. In particular, if the proposed methodology is different from the evaluation approaches used by the IESO, an explanation must be provided explaining why the proposed approach is more appropriate.*

CNPI is proposing to include program savings associated with 24 Retrofit program applications in April -December 2019 with this application. The proposed approach is consistent with past approved LRAMVA disposition claims in its 2021 and 2022 rate applications. The program results were not evaluated by a third party, however the net to gross ratio and persistence ratio into future years were consistent with those reported in the 2017 IESO Verified CDM results.

- o Rationale for net-to-gross assumptions used.*

Please see Tab 10 for the net-to gross ratio assumption, which was consistent with the net-to-gross ratio applied to the Retrofit program results in the 2017 IESO Verified CDM Results.

- o Breakdown of billed demand and detailed level calculations in live Excel format.*

The retrofit results (gross demand and energy) for the 25 retrofit projects were obtained from the applications for the associated projects, the completion of which was verified by CNPI and IESO. The application

results would have been informed by the specific measures being installed under each application. The associated Gross Energy and Demand savings are listed in tab 10 of the LRAMVA Workform. The assumptions for the net to gross ratio adjustment and persistence adjustment are documented above.

- *For program savings for projects completed after April 15, 2019, distributors should provide the following:*

- o Related to CFF programs: an explanation must be provided as to how savings have been estimated based on the available data (i.e., IESO's Participation and Cost Reports) and/or rationale to justify the eligibility of the program savings.*

Please see description in the sections above regarding the Retrofit program savings included in the LRAMVA claim for projects completed after April 15, 2019. These applications are outlined on Tab 10 of the LRAMVA Workform. CNPI believes the program results to be eligible for LRAMVA treatment because they were delivered through under the CFF program, as administered by CNPI. Aside from the fact that the timing of the program completion did not allow for the results to be included in the IESO's final P&C report, the other relevant aspects of the programs were consistent with other CFF program results. Namely, CNPI acted to administer and market the programs to its customer base, and these program results therefore should be equally eligible for LRAMVA treatment.

- o Related to programs delivered by the distributor through the Local Program Fund under the Interim CDM Framework: an explanation and rationale should be provided to justify the eligibility of the additional program savings.*

There are no LIP or Interim CDM Framework program results included in the LRAMVA disposition request.

The amounts proposed for disposition are outlined in **Table 8** below:

Table 8- Summary of Proposed LRAMVA Disposition

<u>Customer Class</u>	<u>Value of Threshold</u>	<u>Value of Lost Revenues</u>	<u>Proposed LRAMVA Disposition(Principal)</u>	<u>Carrying Charges to December 31, 2023</u>	<u>Total Claim</u>
Residential	\$0	\$0	\$0	\$ -	\$0
General Service < 50 kW	-\$33,718	\$108,375	\$74,657	\$ -	\$74,657
General Service > 50 kW	-\$190,862	\$140,337	-\$50,525	\$ -	-\$50,525
Street Lights	-\$22,290	\$44,882	\$22,592	\$ -	\$22,592
Total	-\$246,870	\$293,593	\$46,723	\$ -	\$46,723

<u>Customer Class</u>	<u>Total Claim</u>	<u>Billing Unit</u>	<u>Billing Units as of Dec. 31, 2</u>	<u>Proposed Rate Rider</u>
Residential	\$0	N/A	N/A	N/A
General Service < 50 kW	\$74,657	kWh	67,968,060	\$0.0011
General Service > 50 kW	-\$50,525	kW	570,327	-\$0.0886
Street Lights	\$22,592	kWh	4,352	\$5.1906
Total	\$46,723			

The 2021 CDM Guidelines indicate that distributors may request the use of the LRAMVA for distribution-rate funded CDM activities of LIP on a case-by-case basis. CNPI does not currently have any such programs in place, or any immediate plans to implement such programs, however CNPI will make the appropriate Notices and Applications to the Board if any such programs are planned/implemented.

1.8 TAX CHANGES

In relation to Bill C-97, which provides for a first-year increase in Capital Cost Allowance (“CCA”) deductions on eligible capital assets acquired after November 20, 2018, CNPI has recorded the impacts of CCA rule changes in Account 1592, in accordance with the OEB’s July 25, 2019 letter.⁹ CNPI addressed disposition of these amounts in its 2022 cost of service application. From 2022 to CNPI’s next rebasing application, account 1592 will only capture the impact of any further changes to the CCA rules beyond those contemplated in CNPI’s 2022 cost of service application.

No other legislated tax changes result in changes from the tax rates embedded in CNPI’s approved distribution rates, therefore Tabs 8 and 9 of the IRM Model have not been populated.

⁹ Accounting Direction Regarding Bill C-97 and Other Changes in Regulatory or Legislated Tax Rules for Capital Cost Allowance, issued July 25, 2019

1.9 Z-FACTOR CLAIM

Beginning on December 23, 2022, CNPI's service territory experienced a severe weather event, the severity and impact of which were unprecedented in recent history for CNPI.

CNPI experienced high winds, gusting up to 125km/h, together with heavy snow fall, leading to blowing snow and poor visibility.

Niagara Region and the Town of Fort Erie each declared a state of emergency, and local and regional authorities closed roads and severely cautioned the public not to leave their homes, for fear that emergency responders would not be able to respond under the weather and road conditions. The Peace Bridge border crossing and portions of the QEW were closed due to the storm.

While the weather event impacted much of Southern Ontario, the impacts appeared more severe in Niagara Region and specifically the town of Fort Erie, Port Colborne, Wainfleet and surrounding areas. Tragically, in Buffalo NY, directly across the Niagara River from Fort Erie, there were several fatalities caused by the same weather event¹⁰.

During the storm and subsequent immediate restoration efforts, CNPI recorded more than 32,000 customer interruptions, representing 106% of CNP's customer base (which includes Eastern Ontario Power). This indicates that many customers in Fort Erie and Port Colborne would have experienced more than one interruption during the storm and restoration.

At certain points during the initial storm, CNPI was unable to dispatch crews due to the extremely dangerous conditions, as well as inability to use the roads. It was likely that any power restoration during this time would not have been sustainable due to the

¹⁰ [Winter storm in Buffalo: Crews work to clear snow-covered roads and go door-to-door with food | CNN](#); [How the Buffalo Blizzard Became So Deadly - The New York Times \(nytimes.com\)](#)
[Port Colborne, Fort Erie getting hit hardest in south Niagara blizzard | insauga](#)

continuing high winds and snow accumulation causing further outages. Road access issues were a further difficulty once the snow subsided to an extent, as large downed trees and abandoned vehicles made it difficult to travel in the area.

Despite the storms' occurrence during a period with statutory holidays and vacations, CNPI was able to assemble its available resources (many of whom changed their holiday plans) and the support of third party LDCs and contractors to assist with storm restoration efforts. Many of CNPI's employees, including those who assisted with restoration, were also impacted by the weather and outages at their homes.

CNPI was able to restore power to most customers by December 27, 2023. Some customers requiring repairs and/or ESA approvals at their premises may have been affected for a longer period. Additionally, CNPI continued its efforts to repair and replace damaged assets into 2023, after the critical repairs and customer restoration was complete.

1.9.1 Z-Factor Costs

CNPI recorded total costs of \$1.9 Million related to the December 23, 2022 storm and subsequent restoration efforts. The total cost includes \$955,000 in capital and \$975,000 in operating costs, as further elaborated in Table 9 below. The capital costs are primarily related to work required to replace broken poles, and conduct other work which would normally be capitalized under CNPI's typical capitalization practices.

Table 9- Summary of Storm Costs Incurred

Category	Amount
Capital	\$866,568
Capital (Regular-Time Labour)	\$88,548
O&M (Regular-Time Labour)	\$82,906
O&M (Recorded in Acct 1572)	\$892,114
Total Storm Costs	\$1,930,136

CNPI has isolated any regular internal labour costs included in the capital and operating expenses and excluded them from its Z Factor claim, given these costs are already embedded in rates.

CNPI's total proposed Z factor claim is \$984,114, which is comprised of OM&A, Capital (evaluated as the revenue requirement associated with capital cost), and interest elements, as further outlined in Table 10 below:

Table 10- Z-Factor Claim

Category	Amount
OM&A Component Principal Balance	\$892,114
2023 Interest Forecast	\$44,000
Capital Expenditures Revenue Requirement	\$48,000
Total Z-Factor Claim	\$984,114

The derivation of the revenue requirement associated with the capital cost is outlined in Table 11 below. Consistent with the approach proposed and approved in its 2022 Z-factor claim, CNPI is only requesting one year's worth of recovery for the capital component of the claim.

Table 11 – Revenue Requirement Impact of Capital Expenditures

Description	Rate (%)	Amount
Incremental Capital		\$866,568
Depreciation Expense		-\$19,300
Incremental Capital to be included in Rate Base		\$847,268
Deemed Short Term Debt (4%)	1.17%	\$400
Deemed Long Term Debt (56%)	4.00%	\$19,000
Deemed Equity (40%)	8.66%	\$29,300
Amortization Expense		\$19,300
Grossed Up PILS		-\$20,000
Revenue Requirement		\$48,000
PILs Calculation		
Deemed Equity		\$29,300
Add Back Amortization Expense		\$19,300
Deduct Enhanced CCA Expense	12.00%	-\$104,000
Taxable Income		-\$55,400
PILs Before Gross Up	26.50%	-\$14,700
Incremental Grossed Up PILS		-\$20,000

CNPI has calculated the forecasted interest for 2023 using the Q1 2023 and Q2 2023 actual OEB-prescribed rates. As a placeholder, the Q3 and Q4 rates have been assumed to be consistent with the Q2 rate of 4.98%.

1.9.2 Z-Factor Eligibility Criteria

The eligibility criteria set out in the 3rd Generation IR Report are as follows:

Table 12 – Z-Factor Eligibility Criteria¹¹

¹¹ Reproduced from Table 8 of the 3rd Generation IR Report.

Criteria	Description
Causation	Amounts should be directly related to the Z-factor event. The amount must be clearly outside of the base upon which rates were derived.
Materiality	The amounts must exceed the Board-defined materiality threshold and have a significant influence on the operation of the distributor; otherwise they should be expensed in the normal course and addressed through organizational productivity improvements.
Prudence	The amount must have been prudently incurred. This means that the distributor's decision to incur the amount must represent the most cost-effective option (not necessarily least initial cost) for ratepayers.

Causation

The costs summarized above were directly related to repairs to CNPI's distribution system and restoration of service as a result of the December 23, 2022 severe weather event. The costs are supported by invoicing from the various LDCs and contractors that assisted with restoration efforts, as well as timesheet and material charges to work orders created to track the costs of this specific storm event.

CNPI confirms that the costs incurred in relation to this storm exceed the amounts included in the 2022 COS Rate Application revenue requirement underpinning CNPI's current rates, as well as CNPI's internal budget for this purpose. The claim amounts are incremental to the budgeted levels of storm damage costs.

CNPI has developed a 3-year cycle to its vegetation management program, including tree trimming standards designed for CNPI's service Territory. CNPI undertakes regular vegetation management in order to mitigate tree-caused outages and damage from weather-related events. However, the combination of snow accumulation, ice and extreme and long-lasting wind gusts caused tree failures, pole failures and downed wires to an extent that would not have occurred under normal weather conditions. CNPI could not have reasonably designed or managed its distribution system to avoid all the damage and outages resulting from this storm.

CNPI has not experienced such an extensive amount of weather-related damage to its distribution infrastructure in recent years, however CNPI has historically and recently experienced a greater severity of weather events.

Materiality

For distributors with revenue requirements between \$10 million and \$200 million, the 3rd Generation IR Report defines a materiality threshold of 0.5% of revenue requirement for Z-factor claims. Accordingly, using CNPI's approved revenue requirement from the applicable cost of service application (2022)¹², the materiality threshold is calculated as:

$$\$23,184,975 * 0.5\% = \$115,925$$

CNPI's Z-factor claim of \$984,114 exceeds the materiality threshold.

Prudence

CNPI acted in the interests of its customers to restore service as quickly and safely as possible. CNPI deployed all available internal resources to the restoration effort, including many employees who had initially scheduled vacation and/or holidays, and issued as many of the required materials as possibly directly from stores to minimize premiums for emergency purchases and expedited delivery.

With respect to external services, CNPI secured the services of other LDCs through mutual aid agreements. Other contractors that assisted with the restoration effort had existing contractual relationships with CNPI. Further, CNPI management and control room staff directly coordinated the activities of all contractors and other LDCs in order to ensure an efficient and productive approach to restoration of power. Non-operations staff, management team, and executives assisted with communications, and logistics to reduce crew and third party down-time (for example procuring and delivering food and drinks).

1.9.3 Z-Factor Cost Recovery

CNPI proposes to recover its total Z-factor claim of \$984,114 through fixed rate riders over a 12-month period from January 1, 2024 to December 31, 2024. CNPI notes that the proposed cost allocation (allocation based on the most recent COS revenue requirement- excluding Standby classification) is consistent with the approach proposed by CNPI and approved by the Board in its 2023 IRM Application/Z Factor Claim. CNPI's

¹² OEB Decision in EB-2021-0011, dated December 16, 2021, p 31

proposed rate design, which is based on monthly per-customer allocations based on the most recently reported customer numbers by class, is also consistent with the approach proposed and approved in EB-2022-0019. The results of CNPI applying this approach to recovery of its Z-factor claim are summarized in Table 13 below.

CNPI confirms that during its most recently completed fiscal year (2022), achieved ROE of 8.47% does not exceed 300 basis points above its deemed ROE embedded in its base rates of 8.66%.

Table 13 – Z-Factor Allocation and Rate Rider Summary

Rate Class	Unit	Allocated Revenue (2022 COS)	% Allocation	Total Z-Factor Claim	Customer Count (from 2022 RRR 2.1.2)	Z-Factor Rate Rider (per customer / connection per month)	Z-Factor Revenue Reconciliation
Residential	kWh	\$13,196,611	61%	\$597,245	27,703	\$1.80	\$598,385
General Service Less Than 50 kW	kWh	\$2,893,983	13%	\$130,974	2,530	\$4.31	\$130,852
General Service 50 to 4,999 KW	kW	\$5,064,256	23%	\$229,196	200	\$95.50	\$229,200
Embedded Distributor	kW	\$134,342	1%	\$6,080	1	\$506.67	\$6,080
Unmetered Scattered Load	kWh	\$66,309	0%	\$3,001	42	\$5.95	\$2,999
Standby Power	kW	\$0	0%	\$0	1	\$0.00	\$0
Sentinel Lighting	kW	\$56,688	0%	\$2,566	633	\$0.34	\$2,583
Street Lighting	kW	\$332,587	2%	\$15,052	6,017	\$0.21	\$15,163
TOTAL		\$21,744,776	100%	\$984,114	37,127		\$985,261

1.10 CERTIFICATION OF EVIDENCE

A certification has been provided in Attachment A to this Application.

1.11 BILL IMPACT SUMMARY

A summary of total bill impacts resulting from this Application is provided in Table 14 below. Further detail on these bill impacts can be found at Tab 20 in the electronic copy of the 2024 IRM Model that has been submitted with this Application. A print version of the IRM Model has been provided in Attachment B to this Application.

Table 14 – Summary of Bill Impacts

Rate Class	Consumption (kWh)	Demand (kW, as Applicable)	Units	Total Bill			
				2023	2024	Change 2023 to 2024	
						\$	%
Residential (RPP)	750		kWh	\$ 137.55	\$ 141.28	\$ 3.72	2.71%
General Service Less Than 50 kW	2,000		kWh	\$ 341.31	\$ 352.65	\$ 11.34	3.32%
General Service 50 TO 4,999 KW	20,000	60	kW	\$ 3,920.82	\$ 4,064.43	\$ 143.61	3.66%
Embedded Distributor	468,676	1,127	kW	\$ 84,588.57	\$ 86,224.11	\$ 1,635.53	1.93%
Unmetered Scattered Load	3,500		kWh	\$ 597.23	\$ 611.81	\$ 14.58	2.44%
Standby Power		4,500	kW	\$ 6,911.31	\$ 7,211.83	\$ 300.52	4.35%
Sentinel Lighting	1,400	5	kW	\$ 335.34	\$ 348.84	\$ 13.49	4.02%
Street Lighting	5,400	15	kW	\$ 1,692.49	\$ 1,843.34	\$ 150.85	8.91%
Residential (Retailer)	750		kWh	\$ 165.24	\$ 169.74	\$ 4.49	2.72%

Attachment “A”

Certification of Evidence

STATEMENT OF CERTIFICATION

As Chief Executive Officer and Acting Vice President Finance and Chief Financial Officer of Canadian Niagara Power Inc., I certify that, to the best of my knowledge, that the evidence filed, including the models and appendices, is accurate, consistent and complete. I certify that robust processes and internal controls are in place for the preparation, review, verification and oversight of the deferral and variance account balances being disposed.



Glen King

Chief Executive Officer and Acting Vice President Finance and Chief Financial Officer

Dated at Fort Erie, Ontario, this 17th day of August, 2023



CANADIAN NIAGARA POWER INC.

A **FORTIS** ONTARIO
Company

August 25, 2023

Ms. Nancy Marconi
Registrar
Ontario Energy Board
2300 Yonge Street
Suite 2700
P.O. Box 2319
Toronto, ON M4P 1E4

Dear Ms. Marconi:

RE: Canadian Niagara Power Inc. (CNPI) 2024 IRM Application (EB-2023-0009)
Confirmation of No Personal Information Filed

CNPI confirms that the documents filed on August 17, 2023 in support of CNPI's 2024 IRM Application do not include any personal information (as that phrase is defined in the Freedom of Information and Protection of Privacy Act), that is not otherwise redacted in accordance with rule 9A of the OEB's Rules of Practice and Procedure.

Sincerely,

Oana Stefan
Manager, Regulatory Affairs

CC: Katherine Wang and Urooj Iqbal, OEB

Attachment “B”

2024 IRM Rate Generator Model

Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

Quick Link

Ontario Energy Board's 2024 Electricity
Distribution Rate Applications Webpage

Version 1.0

Utility Name Canadian Niagara Power Inc.

Assigned EB Number EB-2023-0009

Name of Contact and Title Oana Stefan, Manager, Regulatory Affairs

Phone Number 905-871-0330 x3271

Email Address regulatoryaffairs@fortisontario.com

Rate Effective Date January 1, 2024

Rate-Setting Method Price Cap IR

1. Select the last Cost of Service rebasing year.

2022

To determine the first year the continuity schedules in tab 3 will be generated for input, answer the following questions:
For all the the responses below, when selecting a year, select the year relating to the account balance. For example, if the 2021 balances that were reviewed in the 2023 rate application were to be selected, select 2021.

2. For Accounts 1588 and 1589, please indicate the year of the account balances that the accounts were last disposed on a final basis for information purposes.

2021

Determine whether scenario a or b below applies, then select the appropriate year.

a) If the account balances were last approved on a final basis, select the year of the year-end balances that were last approved for disposition on a final basis.

b) If the account balances were last approved on an interim basis, and

2021

- i) there are no changes to the previously approved interim balances, select the year of the year-end balances that were last approved for disposition on an interim basis.
- ii) there are changes to the previously approved interim balances, select the year of the year-end balances that were last approved for disposition on a final basis.

3. For the remaining Group 1 DVAs, please indicate the year of the account balances that were last disposed on a final basis

2021

Determine whether scenario a or b below applies, then select the appropriate year.

a) If the account balances were last approved on a final basis, select the year of the year-end balances that the balance was last approved on a final basis.

b) If the accounts were last approved on an interim basis, and

2021

- i) there are no changes to the previously approved interim balances, select the year of the year-end balances that were last approved for disposition on an interim basis.
- ii) If there are changes to the previously approved interim balances, select the year of the year-end balances that were last approved for disposition on a final basis.

4. Select the earliest vintage year in which there is a balance in Account 1595.

(e.g. If 2017 is the earliest vintage year in which there is a balance in a 1595 sub-account, select 2017.)

2017

5. Did you have any Class A customers at any point during the period that the Account 1589 balance accumulated (i.e. from the year the balance selected in #2 above to the year requested for disposition)?

Yes

6. Did you have any Class A customers at any point during the period where the balance in Account 1580, Sub-account CBR Class B accumulated (i.e. from the year selected in #3 above to the year requested for disposition)?

Yes

7. Retail Transmission Service Rates: Canadian Niagara Power Inc. is:

Partially Embedded

Within

Hydro One Networks Inc.

Distribution System(s)

(If necessary, enter all host-distributors' names in the above green shaded cell.)

8. Have you transitioned to fully fixed rates?

Yes

9. Do you want to update your low voltage service rate?

Yes

For instructions to complete tabs 3 to 7 of the IRM Rate Generator Model, refer to the IRM Rate Generator Model Tabs 3-7 Instructions document posted on the OEB's 2024 Electricity Distribution Rates



Incentive Rate-setting Mechanism

Rate Generator for 2024 Filers

Canadian Niagara Power Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2023

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

EB-2022-0019

RESIDENTIAL SERVICE CLASSIFICATION

The Residential Class (Regular) refers to a service taking electricity normally at 750 volts or less where the electricity is used for domestic and household purposes in a single family unit. A single family unit being a permanent structure located on a single parcel of land and approved by a civic authority as a dwelling and occupied for that purpose by a single customer. Residential rates are also applied to apartment buildings with 6 units or less that are bulk metered. Apartment buildings with more than 6 units that are bulk metered are deemed to be General Service. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	41.47
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	\$	0.29
Smart Metering Entity Charge - effective until December 31, 2027	\$	0.42
Low Voltage Service Rate	\$/kWh	0.0003
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023 Applicable only for Non-RPP Customers	\$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	\$/kWh	0.0016
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023 Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0100
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0077

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



Incentive Rate-setting Mechanism

Rate Generator for 2024 Filers

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to single commercial or industrial customer and whose average peak demand is (or is forecasted to be) less than 50 kW. Single commercial or industrial customers are interpreted as a structure or structures on a single parcel of land occupied by one customer. An apartment building with more than 6 units that is bulk metered and has an average peak demand less than 50 kW is deemed to be General Service less than 50 kW. The common area of a separately metered apartment building having a demand less than 50 kW is also deemed to be General Service less than 50 kW. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	34.94
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	\$	0.61
Smart Metering Entity Charge - effective until December 31, 2027	\$	0.42
Distribution Volumetric Rate	\$/kWh	0.0284
Low Voltage Service Rate	\$/kWh	0.0003
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023		
Applicable only for Non-RPP Customers	\$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	\$/kWh	0.0016
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0086
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0067

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



Incentive Rate-setting Mechanism

Rate Generator for 2024 Filers

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to single commercial or industrial customer and whose average peak demand is (or is forecasted to be) equal to or greater than 50 kW but less than 5000 kW. Single commercial or industrial customers are interpreted as a structure or structures on a single parcel of land occupied by one customer. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to WMP, customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	175.22
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	\$	13.53
Distribution Volumetric Rate	\$/kW	8.2729
Low Voltage Service Rate	\$/kW	0.1094
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023		
Applicable only for Non-RPP Customers	\$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	\$/kW	0.5002
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023		
Applicable only for Class B Customers	\$/kW	(0.0262)
Retail Transmission Rate - Network Service Rate	\$/kW	3.6282
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.7620

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0001



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Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

Rural or Remote Electricity Rate Protection Charge (RRRP)
Standard Supply Service - Administrative Charge (if applicable)

\$/kWh	0.0007
\$	0.25



Incentive Rate-setting Mechanism

Rate Generator for 2024 Filers

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Board, that is provided electricity by means of this distributor's facilities. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	630.48
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	\$	76.62
Distribution Volumetric Rate	\$/kW	9.5266
Low Voltage Service Rate	\$/kW	0.1094
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023		
Applicable only for Non-RPP Customers	\$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	\$/kW	0.5977
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023		
Applicable only for Class B Customers	\$/kW	(0.0306)
Retail Transmission Rate - Network Service Rate	\$/kW	3.6282
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.7620

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



Incentive Rate-setting Mechanism

Rate Generator for 2024 Filers

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to the supply of electrical service to a customer that is deemed to have a constant load over a billing period, normally with minimum electrical consumption and the consumption is unmetered. Energy consumption is based on connected wattage and calculated hours of use. Examples of unmetered scattered load are cable television amplifiers, billboards, area lighting. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per account)	\$	55.09
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	\$	0.92
Distribution Volumetric Rate	\$/kWh	0.0299
Low Voltage Service Rate	\$/kWh	0.0003
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023		
Applicable only for Non-RPP Customers	\$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	\$/kWh	0.0017
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0089
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0068

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

STANDBY POWER SERVICE CLASSIFICATION

The Standby subclass charge is applied to a customer with load displacement facilities behind its meter but is dependent on Canadian Niagara Power Inc. to supply a minimum amount of electricity in the event the customer's own facilities are out of service. The minimum amount of supply that Canadian Niagara Power Inc. must supply is a contracted amount agreed upon between the customer and Canadian Niagara Power Inc. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - APPROVED ON AN INTERIM BASIS

Standby Charge - for a month where standby power is not provided. The charge is applied to the contracted amount (e.g. nameplate rating of generation facility)

\$/kW

1.3591



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Incentive Rate-setting Mechanism

Rate Generator for 2024 Filers

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to all services required to supply sentinel lighting equipment. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per device)	\$	6.31
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	\$	0.07
Distribution Volumetric Rate	\$/kW	7.2894
Low Voltage Service Rate	\$/kW	0.0892
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023 Applicable only for Class B Customers	\$/kW	(0.0251)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	\$/kW	0.5064
Retail Transmission Rate - Network Service Rate	\$/kW	3.0919
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.2540

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



Incentive Rate-setting Mechanism

Rate Generator for 2024 Filers

STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to the supply of electrical service for roadway lighting. Energy consumption is based on connected wattage and calculated hours of use. Customers are usually a Municipality, Region or the Ministry of Transportation. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per device)	\$	4.22
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	\$	0.03
Distribution Volumetric Rate	\$/kW	8.4198
Low Voltage Service Rate	\$/kW	0.0834
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023		
Applicable only for Non-RPP Customers	\$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	\$/kW	0.5202
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023		
Applicable only for Class B Customers	\$/kW	(0.0269)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021)		
- effective until December 31, 2024	\$/kW	6.2707
Retail Transmission Rate - Network Service Rate	\$/kW	2.6855
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1074

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



Ontario Energy Board

Incentive Rate-setting Mechanism

Rate Generator for 2024 Filers

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	4.55
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ALLOWANCES

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

SPECIFIC SERVICE CHARGES

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

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

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Customer Administration

Arrears certificate (credit reference)	\$	15.00
Statement of account	\$	15.00
Pulling post dated cheques	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement letter	\$	15.00
Income tax letter	\$	15.00
Notification charge	\$	15.00
Account history	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Returned cheque (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
Legal letter charge	\$	15.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00



Incentive Rate-setting Mechanism

Rate Generator for 2024 Filers

Non-Payment of Account

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	%	1.50
Reconnection at meter - during regular hours	\$	65.00
Reconnection at meter - after regular hours	\$	185.00
Reconnection at pole - during regular hours	\$	185.00
Reconnection at pole - after regular hours	\$	415.00

Other

Special meter reads	\$	30.00
Service call - customer owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Temporary service install & remove - overhead - no transformer	\$	500.00
Temporary service install & remove - underground - no transformer	\$	300.00
Temporary service install & remove - overhead - with transformer	\$	1,000.00
Specific charge for access to the power poles - per pole/year (with the exception of wireless attachments)	\$	36.05

RETAIL SERVICE CHARGES (if applicable)

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

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	111.66
Monthly fixed charge, per retailer	\$	44.67
Monthly variable charge, per customer, per retailer	\$/cust.	1.11
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.66
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.66)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.56
Processing fee, per request, applied to the requesting party	\$	1.11
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	4.47
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.23

LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0524
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0419



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Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

Account Descriptions	Account Number
Group 1 Accounts	
LV Variance Account	1550
Smart Metering Entity Charge Variance Account	1551
RSVA - Wholesale Market Service Charge ⁵	1580
Variance WMS – Sub-account CBR Class A ⁵	1580
Variance WMS – Sub-account CBR Class B ⁵	1580
RSVA - Retail Transmission Network Charge	1584
RSVA - Retail Transmission Connection Charge	1586
RSVA - Power ⁴	1588
RSVA - Global Adjustment ⁴	1589
Disposition and Recovery/Refund of Regulatory Balances (2017 and pre-2017) ³	1595
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595
Disposition and Recovery/Refund of Regulatory Balances (2020) ³	1595
Disposition and Recovery/Refund of Regulatory Balances (2021) ³	1595
Disposition and Recovery/Refund of Regulatory Balances (2022) ³	1595
Disposition and Recovery/Refund of Regulatory Balances (2023) ³	1595
<i>Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.</i>	1595
RSVA - Global Adjustment requested for disposition	1589
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition	
Total Group 1 Balance requested for disposition	
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568
Impacts Arising from the COVID-19 Emergency, Sub-account Forgone Revenues from Postponing Rate Implementation ⁶	1509
Total Group 1 balance including Account 1568 and Account 1509 requested for disposition	



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Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

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Please refer to the footnotes for further instructions.

		2017									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2017	Transactions Debit/ (Credit) during 2017	OEB-Approved Disposition during 2017	Principal Adjustments ¹ during 2017	Closing Principal Balance as of Dec 31, 2017	Opening Interest Amounts as of Jan 1, 2017	Interest Jan 1 to Dec 31, 2017	OEB-Approved Disposition during 2017	Interest Adjustments ¹ during 2017	Closing Interest Amounts as of Dec 31, 2017
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge ⁵	1580					0					0
Variance WMS – Sub-account CBR Class A ⁵	1580					0					0
Variance WMS – Sub-account CBR Class B ⁵	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power ⁴	1588					0					0
RSVA - Global Adjustment ⁴	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017 and pre-2017) ³	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2020) ³	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2021) ³	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2022) ³	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2023) ³	1595					0					0
<i>Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.</i>	1595					0					0
RSVA - Global Adjustment requested for disposition	1589	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance requested for disposition		0	0	0	0	0	0	0	0	0	0
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568										
Impacts Arising from the COVID-19 Emergency, Sub-account Forgone Revenues from Postponing Rate Implementation ⁶	1509										
Total Group 1 balance including Account 1568 and Account 1509 requested for disposition		0	0	0	0	0	0	0	0	0	0



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		2018									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2018	Transactions Debit/ (Credit) during 2018	OEB-Approved Disposition during 2018	Principal Adjustments ¹ during 2018	Closing Principal Balance as of Dec 31, 2018	Opening Interest Amounts as of Jan 1, 2018	Interest Jan 1 to Dec 31, 2018	OEB-Approved Disposition during 2018	Interest Adjustments ¹ during 2018	Closing Interest Amounts as of Dec 31, 2018
Group 1 Accounts											
LV Variance Account	1550	0				0	0				0
Smart Metering Entity Charge Variance Account	1551	0				0	0				0
RSVA - Wholesale Market Service Charge ⁵	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A ⁵	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B ⁵	1580	0				0	0				0
RSVA - Retail Transmission Network Charge	1584	0				0	0				0
RSVA - Retail Transmission Connection Charge	1586	0				0	0				0
RSVA - Power ⁴	1588	0				0	0				0
RSVA - Global Adjustment ⁴	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017 and pre-2017) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2020) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2021) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2022) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2023) ³	1595	0				0	0				0
<i>Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.</i>	1595	0				0	0				0
RSVA - Global Adjustment requested for disposition	1589	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance requested for disposition		0	0	0	0	0	0	0	0	0	0
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568					0					0
Impacts Arising from the COVID-19 Emergency, Sub-account Forgone Revenues from Postponing Rate Implementation ⁶	1509										
Total Group 1 balance including Account 1568 and Account 1509 requested for disposition		0	0	0	0	0	0	0	0	0	0



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Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

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		2019									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2019	Transactions Debit/ (Credit) during 2019	OEB-Approved Disposition during 2019	Principal Adjustments ¹ during 2019	Closing Principal Balance as of Dec 31, 2019	Opening Interest Amounts as of Jan 1, 2019	Interest Jan 1 to Dec 31, 2019	OEB-Approved Disposition during 2019	Interest Adjustments ¹ during 2019	Closing Interest Amounts as of Dec 31, 2019
Group 1 Accounts											
LV Variance Account	1550	0				0	0				0
Smart Metering Entity Charge Variance Account	1551	0				0	0				0
RSVA - Wholesale Market Service Charge ⁵	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A ⁵	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B ⁵	1580	0				0	0				0
RSVA - Retail Transmission Network Charge	1584	0				0	0				0
RSVA - Retail Transmission Connection Charge	1586	0				0	0				0
RSVA - Power ⁴	1588	0				0	0				0
RSVA - Global Adjustment ⁴	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017 and pre-2017) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2020) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2021) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2022) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2023) ³	1595	0				0	0				0
<i>Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.</i>	1595	0				0	0				0
RSVA - Global Adjustment requested for disposition	1589	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance requested for disposition		0	0	0	0	0	0	0	0	0	0
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	0				0	0				0
Impacts Arising from the COVID-19 Emergency, Sub-account Forgone Revenues from Postponing Rate Implementation ⁶	1509										
Total Group 1 balance including Account 1568 and Account 1509 requested for disposition		0	0	0	0	0	0	0	0	0	0



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Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

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		2020									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2020	Transactions Debit/ (Credit) during 2020	OEB-Approved Disposition during 2020	Principal Adjustments ¹ during 2020	Closing Principal Balance as of Dec 31, 2020	Opening Interest Amounts as of Jan 1, 2020	Interest Jan 1 to Dec 31, 2020	OEB-Approved Disposition during 2020	Interest Adjustments ¹ during 2020	Closing Interest Amounts as of Dec 31, 2020
Group 1 Accounts											
LV Variance Account	1550	0				0	0				0
Smart Metering Entity Charge Variance Account	1551	0				0	0				0
RSVA - Wholesale Market Service Charge ⁵	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A ⁵	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B ⁵	1580	0				0	0				0
RSVA - Retail Transmission Network Charge	1584	0				0	0				0
RSVA - Retail Transmission Connection Charge	1586	0				0	0				0
RSVA - Power ⁴	1588	0				0	0				0
RSVA - Global Adjustment ⁴	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017 and pre-2017) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2020) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2021) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2022) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2023) ³	1595	0				0	0				0
<i>Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.</i>	1595	0				0	0				0
RSVA - Global Adjustment requested for disposition	1589	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance requested for disposition		0	0	0	0	0	0	0	0	0	0
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	0				0	0				0
Impacts Arising from the COVID-19 Emergency, Sub-account Forgone Revenues from Postponing Rate Implementation ⁶	1509	0				0	0				0
Total Group 1 balance including Account 1568 and Account 1509 requested for disposition		0	0	0	0	0	0	0	0	0	0



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		2021									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2021	Transactions Debit/ (Credit) during 2021	OEB-Approved Disposition during 2021	Principal Adjustments ¹ during 2021	Closing Principal Balance as of Dec 31, 2021	Opening Interest Amounts as of Jan 1, 2021	Interest Jan 1 to Dec 31, 2021	OEB-Approved Disposition during 2021	Interest Adjustments ¹ during 2021	Closing Interest Amounts as of Dec 31, 2021
Group 1 Accounts											
LV Variance Account	1550	0			55,688	55,688	0			368	368
Smart Metering Entity Charge Variance Account	1551	0			(22,100)	(22,100)	0			(55)	(55)
RSVA - Wholesale Market Service Charge ⁵	1580	0			(42,889)	(42,889)	0			(9,568)	(9,568)
Variance WMS – Sub-account CBR Class A ⁵	1580	0			0	0	0			0	0
Variance WMS – Sub-account CBR Class B ⁵	1580	0			60,731	60,731	0			7,620	7,620
RSVA - Retail Transmission Network Charge	1584	0			844,721	844,721	0			2,527	2,527
RSVA - Retail Transmission Connection Charge	1586	0			63,444	63,444	0			(524)	(524)
RSVA - Power ⁴	1588	0			(550,593)	(550,593)	0			(1,246)	(1,246)
RSVA - Global Adjustment ⁴	1589	0			(53,508)	(53,508)	0			(3,612)	(3,612)
Disposition and Recovery/Refund of Regulatory Balances (2017 and pre-2017) ³	1595	0			10,715	10,715	0			(1,098)	(1,098)
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	0			(47,132)	(47,132)	0			(31,092)	(31,092)
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595	0			9,563	9,563	0			(23,086)	(23,086)
Disposition and Recovery/Refund of Regulatory Balances (2020) ³	1595	0			172	172	0			61,187	61,187
Disposition and Recovery/Refund of Regulatory Balances (2021) ³	1595	0			111,717	111,717	0			10,688	10,688
Disposition and Recovery/Refund of Regulatory Balances (2022) ³	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2023) ³	1595	0					0				
<i>Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.</i>	1595	0				0	0				0
RSVA - Global Adjustment requested for disposition	1589	0	0	0	(53,508)	(53,508)	0	0	0	(3,612)	(3,612)
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		0	0	0	494,037	494,037	0	0	0	15,721	15,721
Total Group 1 Balance requested for disposition		0	0	0	440,529	440,529	0	0	0	12,109	12,109
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	0			53,832	53,832	0			538	538
Impacts Arising from the COVID-19 Emergency, Sub-account Forgone Revenues from Postponing Rate Implementation ⁶	1509	0				0	0				0
Total Group 1 balance including Account 1568 and Account 1509 requested for disposition		0	0	0	494,361	494,361	0	0	0	12,647	12,647



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		2022									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2022	Transactions Debit/ (Credit) during 2022	OEB-Approved Disposition during 2022	Principal Adjustments ¹ during 2022	Closing Principal Balance as of Dec 31, 2022	Opening Interest Amounts as of Jan 1, 2022	Interest Jan 1 to Dec 31, 2022	OEB-Approved Disposition during 2022	Interest Adjustments ¹ during 2022	Closing Interest Amounts as of Dec 31, 2022
Group 1 Accounts											
LV Variance Account	1550	55,688	48,314	25,174		78,828	368	1,066	278		1,156
Smart Metering Entity Charge Variance Account	1551	(22,100)	(79,381)	(6,601)		(94,880)	(55)	(784)	(43)		(796)
RSVA - Wholesale Market Service Charge ⁵	1580	(42,889)	922,076	(355,716)		1,234,903	(9,568)	20,414	(10,538)		21,384
Variance WMS – Sub-account CBR Class A ⁵	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B ⁵	1580	60,731	(48,186)	92,287		(79,742)	7,620	(1,643)	8,032		(2,055)
RSVA - Retail Transmission Network Charge	1584	844,721	202,735	184,256		863,200	2,527	14,908	1,190		16,245
RSVA - Retail Transmission Connection Charge	1586	63,444	4,903	46,930		21,417	(524)	268	115		(371)
RSVA - Power ⁴	1588	(550,593)	1,481,946	(298,465)	(1,586,260)	(356,442)	(1,246)	14,880	(490)		14,124
RSVA - Global Adjustment ⁴	1589	(53,508)	36,524	(12,374)	(33,266)	(37,876)	(3,612)	(5,040)	(2,346)		(6,306)
Disposition and Recovery/Refund of Regulatory Balances (2017 and pre-2017) ³	1595	10,715	0	(26,163)		36,878	(1,098)	673	35,781		(36,206)
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	(47,132)	0	(47,132)		0	(31,092)	(66)	(31,093)		(65)
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595	9,563	0			9,563	(23,086)	184			(22,902)
Disposition and Recovery/Refund of Regulatory Balances (2020) ³	1595	172	0			172	61,187	3			61,190
Disposition and Recovery/Refund of Regulatory Balances (2021) ³	1595	111,717	(26,301)			85,416	10,688	1,885	0		12,573
Disposition and Recovery/Refund of Regulatory Balances (2022) ³	1595	0	2,897,254	2,775,092	(35,236)	86,926	0	(14,226)	149,912	35,236	(128,902)
Disposition and Recovery/Refund of Regulatory Balances (2023) ³	1595										
<i>Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.</i>	1595	0				0	0				0
RSVA - Global Adjustment requested for disposition	1589	(53,508)	36,524	(12,374)	(33,266)	(37,876)	(3,612)	(5,040)	(2,346)	0	(6,306)
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		494,037	5,403,360	2,389,662	(1,621,496)	1,886,239	15,721	37,562	153,144	35,236	(64,625)
Total Group 1 Balance requested for disposition		440,529	5,439,884	2,377,288	(1,654,762)	1,848,363	12,109	32,522	150,798	35,236	(70,931)
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	53,832		53,832	46,723	46,723	538		538		0
Impacts Arising from the COVID-19 Emergency, Sub-account Forgone Revenues from Postponing Rate Implementation ⁶	1509	0				0	0				0
Total Group 1 balance including Account 1568 and Account 1509 requested for disposition		494,361	5,439,884	2,431,120	(1,608,039)	1,895,086	12,647	32,522	151,336	35,236	(70,931)



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		2023				Projected Interest on Dec-31-2023 Balances				
Account Descriptions	Account Number	Principal Disposition during 2023 - instructed by OEB	Interest Disposition during 2023 - instructed by OEB	Closing Principal Balances as of Dec 31, 2021 Adjusted for Disposition during 2023	Closing Interest Balances as of Dec 31, 2021 Adjusted for Disposition during 2023	Projected Interest from Jan 1, 2023 to Dec 31, 2023 on Dec 31, 2022 balance adjusted for disposition during 2023 ²	Projected Interest from Jan 1, 2024 to Apr 30, 2024 on Dec 31, 2022 balance adjusted for disposition during 2023 ²	Total Interest	Total Claim	Account Disposition: Yes/No?
Group 1 Accounts										
LV Variance Account	1550	30,514	547	48,314	609	2,376		2,985	51,299	
Smart Metering Entity Charge Variance Account	1551	(15,499)	(244)	(79,381)	(552)	(3,904)		(4,456)	(83,837)	
RSVA - Wholesale Market Service Charge ⁵	1580	312,828	5,655	922,075	15,729	45,343		61,072	983,147	
Variance WMS – Sub-account CBR Class A ⁵	1580			0	0	0		0	0	
Variance WMS – Sub-account CBR Class B ⁵	1580	(31,557)	(885)	(48,185)	(1,170)	(2,369)		(3,539)	(51,724)	
RSVA - Retail Transmission Network Charge	1584	660,465	11,227	202,735	5,018	9,969		14,987	217,722	
RSVA - Retail Transmission Connection Charge	1586	16,514	(392)	4,903	21	241		262	5,165	
RSVA - Power ⁴	1588	(252,128)	(4,532)	(104,314)	18,656	(5,130)		13,526	(90,788)	
RSVA - Global Adjustment ⁴	1589	(41,134)	(1,882)	3,258	(4,424)	160		(4,264)	(1,006)	
Disposition and Recovery/Refund of Regulatory Balances (2017 and pre-2017) ³	1595			36,878	(36,206)			(36,206)	0	No
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595			0	(65)			(65)	0	No
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595	9,563	(22,942)	0	40			40	0	No
Disposition and Recovery/Refund of Regulatory Balances (2020) ³	1595			172	61,190	8		61,198	61,370	Yes
Disposition and Recovery/Refund of Regulatory Balances (2021) ³	1595			85,416	12,573			12,573	0	No
Disposition and Recovery/Refund of Regulatory Balances (2022) ³	1595			86,926	(128,902)			(128,902)	0	No
Disposition and Recovery/Refund of Regulatory Balances (2023) ³	1595									
<i>Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.</i>	1595	(837,553)	12,448	837,553	(12,448)			(12,448)	0	No
RSVA - Global Adjustment requested for disposition	1589	(41,134)	(1,882)	3,258	(4,424)	160	0	(4,264)	(1,006)	
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		(106,853)	882	1,993,092	(65,507)	46,534	0	(18,973)	1,092,354	
Total Group 1 Balance requested for disposition		(147,987)	(1,000)	1,996,350	(69,931)	46,694	0	(23,237)	1,091,348	
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568			46,723	0			0	46,723	
Impacts Arising from the COVID-19 Emergency, Sub-account Forgone Revenues from Postponing Rate Implementation ⁶	1509			0	0			0	0	
Total Group 1 balance including Account 1568 and Account 1509 requested for disposition		(147,987)	(1,000)	2,043,073	(69,931)	46,694	0	(23,237)	1,138,071	



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		2.1.7 RRR ⁵	
Account Descriptions	Account Number	As of Dec 31, 2022	Variance RRR vs. 2022 Balance (Principal + Interest)
Group 1 Accounts			
LV Variance Account	1550	79,984	(0)
Smart Metering Entity Charge Variance Account	1551	(95,675)	1
RSVA - Wholesale Market Service Charge ⁵	1580	1,174,491	(81,796)
Variance WMS – Sub-account CBR Class A ⁵	1580	0	0
Variance WMS – Sub-account CBR Class B ⁵	1580	(81,798)	(1)
RSVA - Retail Transmission Network Charge	1584	879,446	1
RSVA - Retail Transmission Connection Charge	1586	21,047	1
RSVA - Power ⁴	1588	1,174,681	1,516,999
RSVA - Global Adjustment ⁴	1589	(317,183)	(273,001)
Disposition and Recovery/Refund of Regulatory Balances (2017 and pre-2017) ³	1595	673	1
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	(66)	(1)
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595	(13,339)	0
Disposition and Recovery/Refund of Regulatory Balances (2020) ³	1595	61,363	1
Disposition and Recovery/Refund of Regulatory Balances (2021) ³	1595	97,989	0
Disposition and Recovery/Refund of Regulatory Balances (2022) ³	1595	(41,976)	(0)
Disposition and Recovery/Refund of Regulatory Balances (2023) ³			
<i>Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.</i>	1595		0
RSVA - Global Adjustment requested for disposition	1589	(317,183)	(273,001)
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		3,338,618	1,517,004
Total Group 1 Balance requested for disposition		3,021,435	1,244,003
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	(1)	(46,724)
Impacts Arising from the COVID-19 Emergency, Sub-account Forgone Revenues from Postponing Rate Implementation ⁶	1509		0
Total Group 1 balance including Account 1568 and Account 1509 requested for disposition		3,021,434	1,197,279

Incentive Rate-setting Mechanism Rate Generator
for 2024 Filers

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

If you have identified any issues, please contact the OEB.

Have you confirmed the accuracy of the data below?

Yes

If a distributor uses the actual GA price to bill non-RPP Class B customers for an entire rate class, it must exclude these customers from the allocation of the GA balance and the calculation of the resulting rate riders. These rate classes are not to be charged/refunded the general GA rate rider as they did not contribute to the GA balance.

Please contact the OEB to make adjustments to the IRM rate generator for this situation.

Rate Class	Unit	Total Metered kWh	Total Metered kW	Metered kWh for Non-RPP Customers (excluding WMP)	Metered kW for Non-RPP Customers (excluding WMP)	Metered kWh for Wholesale Market Participants (WMP)	Metered kW for Wholesale Market Participants (WMP)	Total Metered kWh less WMP consumption (if applicable)	Total Metered kW less WMP consumption (if applicable)	Account 1509 Allocation (\$ distribution revenue from last COS)	1595 Recovery Proportion (2020) ¹	1568 LRAM Variance Account Class Allocation (\$ amounts)	Number of Customers for Residential and GS<50 classes ³
RESIDENTIAL SERVICE CLASSIFICATION	kWh	226,316,454	0	3,013,862	0			226,316,454	0		36%		27,703
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	67,968,060	0	9,242,587	0			67,968,060	0		13%	74,657	2,530
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	179,949,733	570,327	162,048,551	513,888			179,949,733	570,327		49%	-50,525	200
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	5,531,275	15,057	5,531,275	15,057			5,531,275	15,057		2%		1
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,284,001	0	883,032	0			1,284,001	0		0%		42
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0		0%		
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	499,745	1,636	361	1			499,745	1,636		1%		633
STREET LIGHTING SERVICE CLASSIFICATION	kW	1,423,716	4,352	1,345,127	4,093			1,423,716	4,352			22,591	6,017
Total		482,972,983	591,373	182,064,794	533,039	0	0	482,972,983	591,373	0	100%	46,723	37,126

Threshold Test

Total Claim (including Account 1568 and 1509)

Total Claim for Threshold Test (All Group 1 Accounts)

Threshold Test (Total claim per kWh) ²

Currently, the threshold test has been met and the default is that Group 1 account balances will be disposed. If you are requesting not to dispose of the Group 1 account balances, please select NO and provide detailed reasons in the manager's summary.

YES

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

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

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



Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

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

Allocation of Group 1 Accounts (including Account 1568)

Rate Class				allocated based on Total less WMP			allocated based on Total less WMP			allocated based on distribution revenues		
	% of Total kWh	% of Customer Numbers **	% of Total kWh adjusted for WMP	1550	1551	1580	1584	1586	1588	1509	1595_(2020)	1568
RESIDENTIAL SERVICE CLASSIFICATION	46.9%	91.6%	46.9%	24,038	(76,821)	460,693	102,022	2,420	(42,542)		21,909	0
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	14.1%	8.4%	14.1%	7,219	(7,016)	138,357	30,640	727	(12,776)		7,733	74,657
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	37.3%	0.0%	37.3%	19,113	0	366,308	81,121	1,924	(33,826)		30,133	(50,525)
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	1.1%	0.0%	1.1%	588	0	11,260	2,493	59	(1,040)		1,043	0
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	0.3%	0.0%	0.3%	136	0	2,614	579	14	(241)		123	0
STANDBY POWER SERVICE CLASSIFICATION	0.0%	0.0%	0.0%	0	0	0	0	0	0		61	0
SENTINEL LIGHTING SERVICE CLASSIFICATION	0.1%	0.0%	0.1%	53	0	1,017	225	5	(94)		368	0
STREET LIGHTING SERVICE CLASSIFICATION	0.3%	0.0%	0.3%	151	0	2,898	642	15	(268)		0	22,591
Total	100.0%	100.0%	100.0%	51,299	(83,837)	983,147	217,722	5,165	(90,788)	0	61,370	46,723

Incentive Rate-setting Mechanism Rate Generator

for 2024 Filers

1a

The year Account 1589 GA was last disposed

2021

1b

The year Account 1580 CBR Class B was last disposed

2021

Note that the sub-account was established in 2015.

2a

Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1589 GA balance accumulated (i.e. from the year after the balance was last disposed per #1a above to the current year requested for disposition)?

No

(If you received approval to dispose of the GA account balance as at December 31, 2019, the period the GA variance accumulated would be 2020 to 2022.)

2b

Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1580, sub-account CBR Class B balance accumulated (i.e. from the year after the balance was last disposed per #1b above to the current year requested for disposition)?

No

(If you received approval to dispose of the CBR Class B account balance as at December 31, 2019, the period the CBR Class B variance accumulated would be 2020 to 2022.)

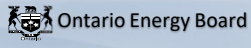
3b

Enter the number of rate classes in which there were customers who were Class A for the full year during the period the Account 1589 GA or Account 1580 CBR B balance accumulated (i.e. from the year after the balance was last disposed per #1a/1b above to the current year requested for disposition).

1

In the table, enter the total Class A consumption for full year Class A customers in each rate class for each year, including any transition customer's consumption identified in table 3a above that were Class A customers for the full year before/after the transition year (E.g. If a customer transitioned from Class B to A in 2021, exclude this customer's consumption for 2021 but include this customer's consumption in 2022 as they were a Class A customer for the full year).

Rate Classes with Class A Customers - Billing Determinants by Rate Class				
	Rate Class		2022	2021
Rate Class 1	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	78,217,370	
		kW	247,536	



Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

The purpose of this tab is to calculate the GA rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1589 GA was last disposed. Calculations in this tab will be modified upon completion of tab 6.1a, which allocates a portion of the GA balance to transition customers, if applicable.

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

Default Rate Rider Recovery Period (in months)	12
Proposed Rate Rider Recovery Period (in months)	12

Rate Rider Recovery to be used below

	Total Metered Non-RPP 2022 Consumption excluding WMP	Total Metered 2022 Consumption for Class A Customers that were Class A for the entire period GA balance accumulated	Total Metered 2022 Consumption for Customers that Transitioned Between Class A and B during the period GA balance accumulated	Non-RPP Metered 2022 Consumption for Current Class B Customers (Non-RPP Consumption excluding WMP, Class A and Transition Customers' Consumption)	% of total kWh	Total GA \$ allocated to Current Class B Customers	GA Rate Rider	
	kWh	kWh	kWh	kWh				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	3,013,862	0	0	3,013,862	2.9%	(\$29)	\$0.0000 kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	9,242,587	0	0	9,242,587	8.9%	(\$90)	\$0.0000 kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	162,048,551	78,217,370	0	83,831,181	80.7%	(\$812)	\$0.0000 kWh
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kWh	5,531,275	0	0	5,531,275	5.3%	(\$54)	\$0.0000 kWh
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	883,032	0	0	883,032	0.9%	(\$9)	\$0.0000 kWh
STANDBY POWER SERVICE CLASSIFICATION	kWh	0	0	0	0	0.0%	\$0	\$0.0000 kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kWh	361	0	0	361	0.0%	\$0	\$0.0000 kWh
STREET LIGHTING SERVICE CLASSIFICATION	kWh	1,345,127	0	0	1,345,127	1.3%	(\$13)	\$0.0000 kWh
Total		182,064,794	78,217,370	0	103,847,425	100.0%	(\$1,007)	

Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

No input required. The purpose of this tab is to calculate the CBR rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1580, sub-account CBR Class B balance accumulated.

The year Account 1580 CBR Class B was last disposed

2021

		Total Metered 2022 Consumption Minus WMP		Total Metered 2022 Consumption for Full Year Class A Customers		Total Metered 2022 Consumption for Transition Customers		Metered 2022 Consumption for Current Class B Customers (Total Consumption LESS WMP, Class A and Transition Customers' Consumption)		% of total kWh	Total CBR Class B \$ allocated to Current Class B Customers	CBR Class B Rate Rider	Unit
		kWh	kW	kWh	kW	kWh	kW	kWh	kW				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	226,316,454	0	0	0	0	0	226,316,454	0	55.9%	(\$28,921)	(\$0.0001)	kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	67,968,060	0	0	0	0	0	67,968,060	0	16.8%	(\$8,686)	(\$0.0001)	kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	179,949,733	570,327	78,217,370	247,536	0	0	101,732,363	322,791	25.1%	(\$13,000)	(\$0.0403)	kW
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	5,531,275	15,057	0	0	0	0	5,531,275	15,057	1.4%	(\$707)	(\$0.0470)	kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,284,001	0	0	0	0	0	1,284,001	0	0.3%	(\$164)	(\$0.0001)	kWh
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0	0.0%	\$0	\$0.0000	kW
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	499,745	1,636	0	0	0	0	499,745	1,636	0.1%	(\$64)	(\$0.0391)	kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	1,423,716	4,352	0	0	0	0	1,423,716	4,352	0.4%	(\$182)	(\$0.0418)	kW
Total		482,972,983	591,373	78,217,370	247,536	0	0	404,755,614	343,837	100.0%	(\$51,724)		

Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

Input required at cells C13 and C14. This worksheet calculates rate riders related to the Deferral/Variance Account Disposition (if applicable) and rate riders for Account 1568. Rate Riders will not be generated for the microFIT class.

Default Rate Rider Recovery Period (in months)	12	
DVA Proposed Rate Rider Recovery Period (in months)	12	Rate Rider Recovery to be used below
LRAM Proposed Rate Rider Recovery Period (in months)	12	Rate Rider Recovery to be used below
Account 1509 Proposed Rate Rider Recovery Period (in months)	12	Rate Rider Recovery to be used below

Rate Class	Unit	Total Metered kWh	Metered kW or kVA	Total Metered kWh less WMP consumption	Total Metered kW less WMP consumption	Allocation of Group 1 Account Balances to All Classes ²	Allocation of Group 1 Account Balances to Non-WMP Classes Only (If Applicable) ²	Deferral/Variance	Deferral/Variance		
								Account Rate Rider ²	Account Rate Rider for Non-WMP (if applicable) ²	Account 1568 Rate Rider	Account 1509 Rate Rider ³
RESIDENTIAL SERVICE CLASSIFICATION	kWh	226,316,454	0	226,316,454	0	491,720		0.0022		0.0000	0.00
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	67,968,060	0	67,968,060	0	164,883		0.0024		0.0011	0.00
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	179,949,733	570,327	179,949,733	570,327	464,773		0.8149		(0.0886)	0.00
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	5,531,275	15,057	5,531,275	15,057	14,403		0.9566		0.0000	0.00
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,284,001	0	1,284,001	0	3,224		0.0025		0.0000	0.00
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	61		0.0000		0.0000	0.00
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	499,745	1,636	499,745	1,636	1,575		0.9627		0.0000	0.00
STREET LIGHTING SERVICE CLASSIFICATION	kW	1,423,716	4,352	1,423,716	4,352	3,439		0.7901		5.1904	0.00

Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

Summary - Sharing of Tax Change Forecast Amounts

	2022	2024
OEB-Approved Rate Base	\$ -	\$ -
OEB-Approved Regulatory Taxable Income	\$ -	\$ -
Federal General Rate		15.0%
Federal Small Business Rate		9.0%
Federal Small Business Rate (calculated effective rate) ^{1,2}		9.0%
Ontario General Rate		11.5%
Ontario Small Business Rate		3.2%
Ontario Small Business Rate (calculated effective rate) ^{1,2}		3.2%
Federal Small Business Limit		\$ 500,000
Ontario Small Business Limit		\$ 500,000
Federal Taxes Payable		\$ -
Provincial Taxes Payable		\$ -
Federal Effective Tax Rate		0.0%
Provincial Effective Tax Rate		0.0%
Combined Effective Tax Rate	0.0%	0.0%
Total Income Taxes Payable	\$ -	\$ -
OEB-Approved Total Tax Credits (enter as positive number)	\$ -	\$ -
Income Tax Provision	\$ -	\$ -
Grossed-up Income Taxes	\$ -	\$ -
Incremental Grossed-up Tax Amount		\$ -
Sharing of Tax Amount (50%)		\$ -

Notes

1. The appropriate Federal and Ontario small business rates are calculated in the Income/PILs Workform. The Federal and Ontario small business deduction:

- a. is applicable if taxable capital is below \$10 million.
- b. is phased out with taxable capital of more than \$10 million.
- c. is completely eliminated when the taxable capital is \$50 million or more.

This is effective for taxation years starting in 2022. Prior to 2022, the small business deduction was completely eliminated when taxable capital was \$15 million or more.

2. The OEB's proxy for taxable capital is rate base.

Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

Calculation of Rebased Revenue Requirement and Allocation of Tax Sharing Amount. Enter data from the last OEB-approved Cost of Service application in columns C through H.

As per Chapter 3 Filing Requirements, shared tax rate riders are based on a 1 year disposition.

Rate Class		Re-based Billed Customers or Connections	Re-based Billed kWh	Re-based Billed kW	Re-based Service Charge	Re-based Distribution Volumetric Rate kWh	Re-based Distribution Volumetric Rate kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Revenue Requirement from Rates	Service Charge % Revenue	Distribution Volumetric Rate % Revenue kWh	Distribution Volumetric Rate % Revenue kW	Total % Revenue
RESIDENTIAL SERVICE CLASSIFICATION	kWh							0	0	0	0	0.0%	0.0%	0.0%	0.0%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh							0	0	0	0	0.0%	0.0%	0.0%	0.0%
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh							0	0	0	0	0.0%	0.0%	0.0%	0.0%
STANDBY POWER SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
STREET LIGHTING SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
Total		0	0	0				0	0	0	0				0.0%

Rate Class		Total kWh (most recent RRR filing)	Total kW (most recent RRR filing)	Allocation of Tax Savings by Rate Class	Distribution Rate Rider
RESIDENTIAL SERVICE CLASSIFICATION	kWh	226,316,454	0	0.00	\$/customer
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	67,968,060	0	0.0000	kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	179,949,733	570,327	0	0.0000
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	5,531,275	15,057	0	0.0000
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,284,001	0	0.0000	kWh
STANDBY POWER SERVICE CLASSIFICATION	kW		0	0.0000	kW
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	499,745	1,636	0	0.0000
STREET LIGHTING SERVICE CLASSIFICATION	kW	1,423,716	4,352	0	0.0000
Total		482,972,983	591,373	\$0	



Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

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

Rate Class	Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor	Loss Adjusted Billed kWh
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0100	226,316,454	0	1.0524	238,175,436
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0077	226,316,454	0	1.0524	238,175,436
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0086	67,968,060	0	1.0524	71,529,586
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0067	67,968,060	0	1.0524	71,529,586
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	3.6282	179,949,733	570,327		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.7620	179,949,733	570,327		
Embedded Distributor Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	3.6282	5,531,275	15,057		
Embedded Distributor Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.7620	5,531,275	15,057		
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0089	1,284,001	0	1.0524	1,351,282
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0068	1,284,001	0	1.0524	1,351,282
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	3.0919	499,745	1,636		
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.2540	499,745	1,636		
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.6855	1,423,716	4,352		
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1074	1,423,716	4,352		



Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

Uniform Transmission Rates		Unit	2022 Jan to Mar		2022 Apr to Dec		2023 Jan to Jun		2023 Jul to Dec		2024	
Rate Description			Rate				Rate				Rate	
Network Service Rate	kW	\$	5.13	\$	5.46	\$	5.60	\$	5.37	\$	5.37	
Line Connection Service Rate	kW	\$	0.88	\$	0.88	\$	0.92	\$	0.88	\$	0.88	
Transformation Connection Service Rate	kW	\$	2.81	\$	2.81	\$	3.10	\$	2.98	\$	2.98	
Hydro One Sub-Transmission Rates		Unit	2022				2023				2024	
Rate Description			Rate				Rate				Rate	
Network Service Rate	kW	\$	4.3473				4.6545				4.6545	
Line Connection Service Rate	kW	\$	0.6788				0.6056				0.6056	
Transformation Connection Service Rate	kW	\$	2.3267				2.8924				2.8924	
Both Line and Transformation Connection Service Rate	kW	\$	3.0055				3.4980				3.4980	
If needed, add extra host here. (I)		Unit	2022				2023				2024	
Rate Description			Rate				Rate				Rate	
Network Service Rate	kW											
Line Connection Service Rate	kW											
Transformation Connection Service Rate	kW											
Both Line and Transformation Connection Service Rate	kW	\$	-				-				-	
If needed, add extra host here. (II)		Unit	2021				2022				2023	
Rate Description			Rate				Rate				Rate	
Network Service Rate	kW											
Line Connection Service Rate	kW											
Transformation Connection Service Rate	kW											
Both Line and Transformation Connection Service Rate	kW	\$	-				-				-	
Low Voltage Switchgear Credit (if applicable, enter as a negative value)			Historical 2021				Current 2022				Forecast 2023	
	\$											

Incentive Rate-setting Mechanism Rate Generator

for 2024 Filers

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Tab 10. For Hydro One Sub-transmission Rates, if you are charged a combined Line and Transformer connection rate, please ensure that both the Line Connection and Transformation Connection columns are completed. If any of the Hydro One Sub-transmission rates (column E, I and M) are highlighted in red, please double check the billing data entered in "Units Billed" and "Amount" columns. The highlighted rates do not match the Hydro One Sub-transmission rates approved for that time period. If data has been entered correctly, please provide explanation for the discrepancy in rates.

IESO				Line Connection				Transformation Connection				Total Connection	
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount		Units Billed	Rate	Amount		Amount	
January	69,384	\$5.13	\$ 355,940	71,412	\$0.88	\$ 62,843		71,412	\$2.81	\$ 200,668		\$	263,510
February	66,064	\$5.13	\$ 338,908	67,984	\$0.88	\$ 59,826		67,984	\$2.81	\$ 191,035		\$	250,861
March	63,638	\$5.13	\$ 326,463	66,368	\$0.88	\$ 58,404		66,368	\$2.81	\$ 186,494		\$	244,898
April	55,716	\$5.46	\$ 304,209	60,128	\$0.88	\$ 52,913		60,128	\$2.81	\$ 168,960		\$	221,872
May	81,607	\$5.46	\$ 445,574	86,597	\$0.88	\$ 77,965		86,597	\$2.81	\$ 248,958		\$	326,923
June	71,889	\$5.46	\$ 392,514	84,447	\$0.88	\$ 74,313		84,447	\$2.81	\$ 237,296		\$	311,609
July	80,472	\$5.46	\$ 439,377	90,264	\$0.88	\$ 79,432		90,264	\$2.81	\$ 253,642		\$	333,074
August	77,131	\$5.46	\$ 421,135	92,464	\$0.88	\$ 81,368		92,464	\$2.81	\$ 259,824		\$	341,192
September	87,189	\$5.46	\$ 476,052	97,618	\$0.88	\$ 85,904		97,618	\$2.81	\$ 274,307		\$	360,210
October	56,516	\$5.46	\$ 308,577	63,667	\$0.88	\$ 56,027		63,667	\$2.81	\$ 178,904		\$	234,931
November	66,753	\$5.46	\$ 364,471	74,780	\$0.88	\$ 65,806		74,780	\$2.81	\$ 210,132		\$	275,938
December	63,524	\$5.46	\$ 346,841	66,163	\$0.88	\$ 58,223		66,163	\$2.81	\$ 185,918		\$	244,141
Total	839,883	\$ 5.38	\$ 4,520,063	923,892	\$ 0.88	\$ 813,025		923,892	\$ 2.81	\$ 2,596,137		\$	3,409,161

Hydro One				Line Connection				Transformation Connection				Total Connection	
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount		Units Billed	Rate	Amount		Amount	
January	10,741	\$4.3473	\$ 46,696	10,766	\$0.6788	\$ 7,308		10,766	\$2.3267	\$ 25,050		\$	32,358
February	9,320	\$4.3473	\$ 40,516	9,320	\$0.6788	\$ 6,326		9,320	\$2.3267	\$ 21,685		\$	28,011
March	7,508	\$4.3473	\$ 32,640	8,252	\$0.6788	\$ 5,602		8,252	\$2.3267	\$ 19,200		\$	24,802
April	4,850	\$4.3473	\$ 21,085	4,997	\$0.6788	\$ 3,392		4,997	\$2.3267	\$ 11,626		\$	15,017
May	7,975	\$4.3473	\$ 34,669	7,975	\$0.6788	\$ 5,413		7,975	\$2.3267	\$ 18,555		\$	23,969
June	14,247	\$4.3473	\$ 61,935	14,247	\$0.6788	\$ 9,671		14,247	\$2.3267	\$ 33,148		\$	42,819
July	10,875	\$4.3473	\$ 47,275	10,875	\$0.6788	\$ 7,382		10,875	\$2.3267	\$ 25,302		\$	32,684
August	11,565	\$4.3473	\$ 50,278	11,566	\$0.6788	\$ 7,851		11,566	\$2.3267	\$ 26,910		\$	34,761
September	8,273	\$4.3473	\$ 35,965	8,273	\$0.6788	\$ 5,616		8,273	\$2.3267	\$ 19,249		\$	24,865
October	6,728	\$4.3473	\$ 29,249	6,728	\$0.6788	\$ 4,567		6,728	\$2.3267	\$ 15,654		\$	20,222
November	8,645	\$4.3473	\$ 37,583	8,658	\$0.6788	\$ 5,877		8,658	\$2.3267	\$ 20,144		\$	26,020
December	10,463	\$4.3473	\$ 45,485	10,937	\$0.6788	\$ 7,424		10,937	\$2.3267	\$ 25,447		\$	32,871
Total	111,190	\$ 4.3473	\$ 483,377	112,593	\$ 0.6788	\$ 76,428		112,593	\$ 2.3267	\$ 261,971		\$	338,399

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

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

Total				Line Connection				Transformation Connection				Total Connection	
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount		Units Billed	Rate	Amount		Amount	
January	80,125	\$ 5.0251	\$ 402,636	82,178	\$ 0.8536	\$ 70,151		82,178	\$ 2.7467	\$ 225,718		\$	295,869
February	75,384	\$ 5.0332	\$ 379,425	77,304	\$ 0.8557	\$ 66,152		77,304	\$ 2.7517	\$ 212,720		\$	278,872
March	71,146	\$ 5.0474	\$ 359,103	74,620	\$ 0.8577	\$ 64,005		74,620	\$ 2.7566	\$ 205,694		\$	269,700
April	60,566	\$ 5.3709	\$ 325,295	65,125	\$ 0.8646	\$ 56,304		65,125	\$ 2.7729	\$ 180,585		\$	236,890
May	89,582	\$ 5.3609	\$ 480,243	96,572	\$ 0.8634	\$ 83,379		96,572	\$ 2.7701	\$ 267,513		\$	350,892
June	86,136	\$ 5.2760	\$ 454,449	98,694	\$ 0.8510	\$ 83,984		98,694	\$ 2.7402	\$ 270,444		\$	354,428
July	91,347	\$ 5.3275	\$ 486,652	101,139	\$ 0.8584	\$ 86,814		101,139	\$ 2.7580	\$ 278,944		\$	365,758
August	88,696	\$ 5.3149	\$ 471,413	104,030	\$ 0.8576	\$ 89,219		104,030	\$ 2.7563	\$ 286,734		\$	375,953
September	95,462	\$ 5.3636	\$ 512,017	105,891	\$ 0.8643	\$ 91,520		105,891	\$ 2.7722	\$ 293,556		\$	385,075
October	63,244	\$ 5.3416	\$ 337,626	70,395	\$ 0.8608	\$ 60,594		70,395	\$ 2.7638	\$ 194,559		\$	255,153
November	75,398	\$ 5.3324	\$ 402,055	83,438	\$ 0.8591	\$ 71,683		83,438	\$ 2.7589	\$ 230,275		\$	301,959
December	73,987	\$ 5.3026	\$ 392,326	77,100	\$ 0.8515	\$ 65,647		77,100	\$ 2.7414	\$ 211,365		\$	277,012
Total	951,073	\$ 5.26	\$ 5,003,440	1,036,485	\$ 0.86	\$ 889,453		1,036,485	\$ 2.76	\$ 2,858,107		\$	3,747,560

Low Voltage Switchgear Credit (if applicable)												\$	-
Total including deduction for Low Voltage Switchgear Credit												\$	3,747,560



Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

The purpose of this sheet is to calculate the expected billing when current 2023 Uniform Transmission Rates are applied against historical 2022 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	69,384	\$ 5,600	\$ 388,550	71,412	\$ 0.9200	\$ 65,699	71,412	\$ 3.1000	\$ 221,377	\$ 287,076
February	66,064	\$ 5,600	\$ 369,958	67,984	\$ 0.9200	\$ 62,545	67,984	\$ 3.1000	\$ 210,750	\$ 273,296
March	63,638	\$ 5,600	\$ 356,373	66,368	\$ 0.9200	\$ 61,059	66,368	\$ 3.1000	\$ 205,741	\$ 266,799
April	55,716	\$ 5,600	\$ 312,010	60,128	\$ 0.9200	\$ 55,318	60,128	\$ 3.1000	\$ 186,397	\$ 241,715
May	81,607	\$ 5,600	\$ 456,999	88,597	\$ 0.9200	\$ 81,509	88,597	\$ 3.1000	\$ 274,651	\$ 356,160
June	71,889	\$ 5,600	\$ 402,578	84,447	\$ 0.9200	\$ 77,691	84,447	\$ 3.1000	\$ 261,786	\$ 339,477
July	80,472	\$ 5,3700	\$ 432,135	90,264	\$ 0.8800	\$ 79,432	90,264	\$ 2.9800	\$ 268,987	\$ 348,419
August	77,131	\$ 5,3700	\$ 414,193	92,464	\$ 0.8800	\$ 81,368	92,464	\$ 2.9800	\$ 275,543	\$ 356,911
September	87,189	\$ 5,3700	\$ 468,205	97,618	\$ 0.8800	\$ 85,904	97,618	\$ 2.9800	\$ 290,902	\$ 376,805
October	56,516	\$ 5,3700	\$ 303,491	63,667	\$ 0.8800	\$ 56,027	63,667	\$ 2.9800	\$ 189,728	\$ 245,755
November	66,753	\$ 5,3700	\$ 358,464	74,780	\$ 0.8800	\$ 65,806	74,780	\$ 2.9800	\$ 222,844	\$ 288,651
December	63,524	\$ 5,3700	\$ 341,124	66,163	\$ 0.8800	\$ 58,223	66,163	\$ 2.9800	\$ 197,166	\$ 255,389
Total	839,683	\$ 5.48	\$ 4,604,080	923,892	\$ 0.90	\$ 830,582	923,892	\$ 3.04	\$ 2,805,870	\$ 3,636,453

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	10,741	\$ 4,6545	\$ 49,996	10,766	\$ 0.6056	\$ 6,520	10,766	\$ 2.8924	\$ 31,141	\$ 37,661
February	9,320	\$ 4,6545	\$ 43,380	9,320	\$ 0.6056	\$ 5,644	9,320	\$ 2.8924	\$ 26,957	\$ 32,601
March	7,508	\$ 4,6545	\$ 34,946	8,252	\$ 0.6056	\$ 4,998	8,252	\$ 2.8924	\$ 23,869	\$ 28,866
April	4,850	\$ 4,6545	\$ 22,575	4,997	\$ 0.6056	\$ 3,026	4,997	\$ 2.8924	\$ 14,452	\$ 17,478
May	7,975	\$ 4,6545	\$ 37,119	7,975	\$ 0.6056	\$ 4,830	7,975	\$ 2.8924	\$ 23,067	\$ 27,897
June	14,247	\$ 4,6545	\$ 66,312	14,247	\$ 0.6056	\$ 8,628	14,247	\$ 2.8924	\$ 41,208	\$ 49,835
July	10,875	\$ 4,6545	\$ 50,615	10,875	\$ 0.6056	\$ 6,586	10,875	\$ 2.8924	\$ 31,454	\$ 38,040
August	11,585	\$ 4,6545	\$ 53,831	11,566	\$ 0.6056	\$ 7,004	11,566	\$ 2.8924	\$ 33,453	\$ 40,457
September	8,273	\$ 4,6545	\$ 38,507	8,273	\$ 0.6056	\$ 5,010	8,273	\$ 2.8924	\$ 23,929	\$ 28,939
October	6,728	\$ 4,6545	\$ 31,316	6,728	\$ 0.6056	\$ 4,075	6,728	\$ 2.8924	\$ 19,461	\$ 23,535
November	8,645	\$ 4,6545	\$ 40,239	8,658	\$ 0.6056	\$ 5,243	8,658	\$ 2.8924	\$ 25,041	\$ 30,284
December	10,463	\$ 4,6545	\$ 48,699	10,937	\$ 0.6056	\$ 6,623	10,937	\$ 2.8924	\$ 31,634	\$ 38,257
Total	111,190	\$ 4.65	\$ 517,535	112,593	\$ 0.61	\$ 68,186	112,593	\$ 2.89	\$ 325,664	\$ 393,851

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	80,125	\$ 5,4732	\$ 438,547	82,178	\$ 0.8788	\$ 72,219	82,178	\$ 3.0728	\$ 252,518	\$ 324,737
February	75,384	\$ 5,4831	\$ 413,338	77,304	\$ 0.8821	\$ 68,189	77,304	\$ 3.0750	\$ 237,707	\$ 305,897
March	71,146	\$ 5,5002	\$ 391,319	74,620	\$ 0.8852	\$ 66,056	74,620	\$ 3.0770	\$ 229,609	\$ 295,666
April	60,566	\$ 5,5243	\$ 334,585	65,125	\$ 0.8959	\$ 58,344	65,125	\$ 3.0841	\$ 200,849	\$ 259,193
May	89,582	\$ 5,5158	\$ 494,118	96,572	\$ 0.8940	\$ 86,339	96,572	\$ 3.0829	\$ 297,718	\$ 384,056
June	86,136	\$ 5,4436	\$ 468,890	98,694	\$ 0.8746	\$ 86,319	98,694	\$ 3.0700	\$ 302,993	\$ 389,312
July	91,347	\$ 5,2848	\$ 482,750	101,139	\$ 0.8505	\$ 86,018	101,139	\$ 2.9706	\$ 300,441	\$ 386,459
August	88,696	\$ 5,2767	\$ 468,024	104,030	\$ 0.8495	\$ 88,373	104,030	\$ 2.9703	\$ 308,995	\$ 397,368
September	95,462	\$ 5,3080	\$ 506,712	105,891	\$ 0.8586	\$ 90,914	105,891	\$ 2.9732	\$ 314,831	\$ 405,745
October	63,244	\$ 5,2939	\$ 334,807	70,395	\$ 0.8538	\$ 60,102	70,395	\$ 2.9716	\$ 209,188	\$ 269,290
November	75,398	\$ 5,2880	\$ 398,703	83,438	\$ 0.8515	\$ 71,049	83,438	\$ 2.9709	\$ 247,886	\$ 318,935
December	73,987	\$ 5,2688	\$ 389,823	77,100	\$ 0.8411	\$ 64,847	77,100	\$ 2.9676	\$ 228,800	\$ 293,646
Total	951,073	\$ 5.39	\$ 5,121,615	1,036,485	\$ 0.87	\$ 898,769	1,036,485	\$ 3.02	\$ 3,131,535	\$ 4,030,304

Low Voltage Switchgear Credit (if applicable)										\$ -
Total including deduction for Low Voltage Switchgear Credit										\$ 4,030,304

Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

The purpose of this sheet is to calculate the expected billing when forecasted 2024 Uniform Transmission Rates are applied against historical 2022 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	69,384	\$ 5.3700	\$ 372,592	71,412	\$ 0.8800	\$ 62,843	71,412	\$ 2.9800	\$ 212,808	\$ 275,650
February	66,064	\$ 5.3700	\$ 354,764	67,984	\$ 0.8800	\$ 59,826	67,984	\$ 2.9800	\$ 202,592	\$ 262,418
March	63,638	\$ 5.3700	\$ 341,736	66,368	\$ 0.8800	\$ 58,404	66,368	\$ 2.9800	\$ 197,777	\$ 256,180
April	55,716	\$ 5.3700	\$ 299,195	60,128	\$ 0.8800	\$ 52,913	60,128	\$ 2.9800	\$ 179,181	\$ 232,094
May	81,607	\$ 5.3700	\$ 438,230	88,597	\$ 0.8800	\$ 77,965	88,597	\$ 2.9800	\$ 264,019	\$ 341,984
June	71,889	\$ 5.3700	\$ 386,044	84,447	\$ 0.8800	\$ 74,313	84,447	\$ 2.9800	\$ 251,652	\$ 325,965
July	80,472	\$ 5.3700	\$ 432,135	90,264	\$ 0.8800	\$ 79,432	90,264	\$ 2.9800	\$ 268,987	\$ 348,419
August	77,131	\$ 5.3700	\$ 414,193	92,464	\$ 0.8800	\$ 81,368	92,464	\$ 2.9800	\$ 275,543	\$ 356,911
September	87,189	\$ 5.3700	\$ 468,205	97,616	\$ 0.8800	\$ 85,904	97,616	\$ 2.9800	\$ 290,902	\$ 376,805
October	66,516	\$ 5.3700	\$ 303,491	63,667	\$ 0.8800	\$ 56,027	63,667	\$ 2.9800	\$ 189,728	\$ 245,755
November	66,753	\$ 5.3700	\$ 358,464	74,780	\$ 0.8800	\$ 65,806	74,780	\$ 2.9800	\$ 222,844	\$ 288,651
December	63,524	\$ 5.3700	\$ 341,124	66,163	\$ 0.8800	\$ 58,223	66,163	\$ 2.9800	\$ 197,166	\$ 255,389
Total	839,883	\$ 5.37	\$ 4,510,172	923,892	\$ 0.88	\$ 813,025	923,892	\$ 2.98	\$ 2,753,198	\$ 3,566,223

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	10,741	\$ 4.6545	\$ 49,996	10,766	\$ 0.6056	\$ 6,520	10,766	\$ 2.8924	\$ 31,141	\$ 37,661
February	9,320	\$ 4.6545	\$ 43,380	9,320	\$ 0.6056	\$ 5,644	9,320	\$ 2.8924	\$ 26,957	\$ 32,601
March	7,508	\$ 4.6545	\$ 34,946	8,252	\$ 0.6056	\$ 4,988	8,252	\$ 2.8924	\$ 23,869	\$ 28,856
April	4,850	\$ 4.6545	\$ 22,575	4,997	\$ 0.6056	\$ 3,026	4,997	\$ 2.8924	\$ 14,452	\$ 17,478
May	7,975	\$ 4.6545	\$ 37,119	7,975	\$ 0.6056	\$ 4,830	7,975	\$ 2.8924	\$ 23,067	\$ 27,897
June	14,247	\$ 4.6545	\$ 66,312	14,247	\$ 0.6056	\$ 8,628	14,247	\$ 2.8924	\$ 41,208	\$ 49,835
July	10,875	\$ 4.6545	\$ 50,615	10,875	\$ 0.6056	\$ 6,586	10,875	\$ 2.8924	\$ 31,454	\$ 38,040
August	11,565	\$ 4.6545	\$ 53,831	11,566	\$ 0.6056	\$ 7,004	11,566	\$ 2.8924	\$ 33,453	\$ 40,457
September	8,273	\$ 4.6545	\$ 38,507	8,273	\$ 0.6056	\$ 5,010	8,273	\$ 2.8924	\$ 23,929	\$ 28,939
October	6,728	\$ 4.6545	\$ 31,316	6,728	\$ 0.6056	\$ 4,075	6,728	\$ 2.8924	\$ 19,461	\$ 23,535
November	8,645	\$ 4.6545	\$ 40,239	8,658	\$ 0.6056	\$ 5,243	8,658	\$ 2.8924	\$ 25,041	\$ 30,284
December	10,463	\$ 4.6545	\$ 48,699	10,937	\$ 0.6056	\$ 6,623	10,937	\$ 2.8924	\$ 31,634	\$ 38,257
Total	111,190	\$ 4.65	\$ 517,535	112,593	\$ 0.61	\$ 68,186	112,593	\$ 2.89	\$ 325,664	\$ 393,851

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	80,125	\$ 5.27	\$ 422,588	82,178	\$ 0.84	\$ 69,363	82,178	\$ 2.97	\$ 243,948	\$ 313,311
February	75,384	\$ 5.28	\$ 398,143	77,304	\$ 0.85	\$ 65,470	77,304	\$ 2.97	\$ 229,549	\$ 295,019
March	71,146	\$ 5.29	\$ 376,582	74,620	\$ 0.85	\$ 63,401	74,620	\$ 2.97	\$ 221,645	\$ 285,047
April	60,566	\$ 5.31	\$ 321,770	65,125	\$ 0.86	\$ 55,939	65,125	\$ 2.97	\$ 193,634	\$ 249,572
May	89,582	\$ 5.31	\$ 475,348	96,572	\$ 0.86	\$ 82,795	96,572	\$ 2.97	\$ 287,086	\$ 369,881
June	86,136	\$ 5.25	\$ 452,356	98,694	\$ 0.84	\$ 82,941	98,694	\$ 2.97	\$ 292,860	\$ 375,801
July	91,347	\$ 5.28	\$ 482,750	101,139	\$ 0.85	\$ 86,018	101,139	\$ 2.97	\$ 300,441	\$ 386,459
August	88,696	\$ 5.28	\$ 468,024	104,030	\$ 0.85	\$ 88,373	104,030	\$ 2.97	\$ 308,995	\$ 397,368
September	95,462	\$ 5.31	\$ 506,712	105,891	\$ 0.86	\$ 90,914	105,891	\$ 2.97	\$ 314,831	\$ 405,745
October	63,244	\$ 5.29	\$ 334,807	70,395	\$ 0.85	\$ 60,102	70,395	\$ 2.97	\$ 209,188	\$ 269,290
November	75,398	\$ 5.29	\$ 398,703	83,438	\$ 0.85	\$ 71,049	83,438	\$ 2.97	\$ 247,886	\$ 318,935
December	73,987	\$ 5.27	\$ 389,823	77,100	\$ 0.84	\$ 64,847	77,100	\$ 2.97	\$ 228,800	\$ 293,646
Total	951,073	\$ 5.29	\$ 5,027,706	1,036,485	\$ 0.85	\$ 881,211	1,036,485	\$ 2.97	\$ 3,078,863	\$ 3,960,074

Low Voltage Switchgear Credit (if applicable)										\$ -
Total including deduction for Low Voltage Switchgear Credit										\$ 3,960,074

Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

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

Rate Class	Rate Description	Unit	Current RTSR- Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0100	238,175,436	0	2,381,754	46.3%	2,368,823	0.0099
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0086	71,529,586	0	615,154	11.9%	611,815	0.0086
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	3.6282		570,327	2,069,260	40.2%	2,058,026	3.6085
Embedded Distributor Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	3.6282		15,057	54,630	1.1%	54,333	3.6085
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0089	1,351,282	0	12,026	0.2%	11,961	0.0089
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	3.0919		1,636	5,059	0.1%	5,032	3.0751
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.6855		4,352	11,688	0.2%	11,625	2.6709

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

Rate Class	Rate Description	Unit	Current RTSR- Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR- Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0077	238,175,436	0	1,833,951	46.4%	1,870,251	0.0079
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0067	71,529,586	0	479,248	12.1%	488,734	0.0068
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.7620		570,327	1,575,243	39.9%	1,606,422	2.8167
Embedded Distributor Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.7620		15,057	41,567	1.1%	42,410	2.8167
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0068	1,351,282	0	9,189	0.2%	9,371	0.0069
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.2540		1,636	3,688	0.1%	3,761	2.2986
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1074		4,352	9,172	0.2%	9,354	2.1491

The purpose of this table is to update the re-aligned RTS Network Rates to recover future wholesale network costs.

Rate Class	Rate Description	Unit	Adjusted RTSR-Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR- Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0099	238,175,436	0	2,368,823	46.3%	2,325,389	0.0098
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0086	71,529,586	0	611,815	11.9%	600,597	0.0084
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	3.6085		570,327	2,058,026	40.2%	2,020,290	3.5423
Embedded Distributor Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	3.6085		15,057	54,333	1.1%	53,337	3.5423
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0089	1,351,282	0	11,961	0.2%	11,742	0.0087
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	3.0751		1,636	5,032	0.1%	4,940	3.0187
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.6709		4,352	11,625	0.2%	11,412	2.6219

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

Rate Class	Rate Description	Unit	Adjusted RTSR- Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR- Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0079	238,175,436	0	1,870,251	46.4%	1,837,661	0.0077
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0068	71,529,586	0	488,734	12.1%	480,218	0.0067
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.8167		570,327	1,606,422	39.9%	1,578,430	2.7676
Embedded Distributor Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.8167		15,057	42,410	1.1%	41,571	2.7676
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0069	1,351,282	0	9,371	0.2%	9,207	0.0068
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.2986		1,636	3,761	0.1%	3,696	2.2586
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1491		4,352	9,354	0.2%	9,191	2.1117

Kind/Distributor of Rates/Charges	TYPE	DATE IS F
Common St Taxes	Volumetric	
Meter Charge	Fixed	
Deferred Tax Asset Fixed Rate	Fixed	
Monthly Service Charges	Fixed	
Deferred Tax Asset Vol Rate	Volumetric	

New Subscriber or Rate Change			SERVICE POINT	
ACCOUNT ID	TYPE	DATE IN	NAMES	DATE IN
Customer ID Lines	Voluntary		Delivery Point 12020454	
Water Charge	Fixed		Delivery Point 11082581	
Deferred Tax Asset Fixed Rate	Fixed			
Monthly Service Charges	Fixed			
Deferred Tax Asset Variable Rate	Voluntary			

Continued TV Licenses	Delivery Sheet 13 102145	0.47	1,620.00	0.72
Phone Charge	Delivery Sheet 13 102145		1,620.00	0.72
Printing Services Charges	Delivery Sheet 13 102145		1	0.14
Deferred Tax Asset Vtd Rider	Delivery Sheet 13 102145	0.45	0.04	0.03
Total				18,788.14
Grand Total				257,150.72

Grand Total	207,190.75
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Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

Rate Class	Units	Allocation based on Tx- Connection Revenue %	Allocated 2022 LV Expense	Total Metered kWh	Total Metered kW	Loss Adjusted Billed kWh	LV Rate/kWh	LV Rate/kW
RESIDENTIAL SERVICE CLASSIFICATION	kWh	46.4%	96146.28	226,316,454	0	238,175,436	0.0004	0.0000
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	12.1%	25124.96	67,968,060	0	71,529,586	0.0004	0.0000
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	39.9%	82583.32	179,949,733	570,327	0	0.0000	0.1448
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kW	1.1%	2180.25	5,531,275	15,057	0	0.0000	0.1448
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	0.2%	481.73	1,284,001	0	1,351,282	0.0004	0.0000
STANDBY POWER SERVICE CLASSIFICATION	kW		0.00	0	0	0	0.0000	0.0000
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	0.1%	193.36	499,745	1,636	0	0.0000	0.1182
STREET LIGHTING SERVICE CLASSIFICATION	kW	0.2%	480.86	1,423,716	4,352	0	0.0000	0.1105
Total		100.0%	207190.75					



Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

If applicable, please enter any adjustments related to the revenue to cost ratio model into columns C and E. The Price Escalator has been set at the 2022 value and will be updated by OEB staff at a later date.

Price Escalator	4.80%	Productivity Factor	0.00%
Choose Stretch Factor Group	IV	Price Cap Index	4.35%
Associated Stretch Factor Value	0.45%		

Rate Class	Current MFC	MFC Adjustment from R/C Model	Current Volumetric Charge	DVR Adjustment from R/C Model	Price Cap Index to be Applied to MFC and DVR	Proposed MFC	Proposed Volumetric Charge
RESIDENTIAL SERVICE CLASSIFICATION	41.47				4.35%	43.27	0.0000
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	34.94		0.0284		4.35%	36.46	0.0296
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	175.22		8.2729		4.35%	182.84	8.6328
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	630.48		9.5266		4.35%	657.91	9.9410
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	55.09		0.0299		4.35%	57.49	0.0312
STANDBY POWER SERVICE CLASSIFICATION	0		1.3591		4.35%	0.00	1.4182
SENTINEL LIGHTING SERVICE CLASSIFICATION	6.31		7.2894		4.35%	6.58	7.6065
STREET LIGHTING SERVICE CLASSIFICATION	4.22		8.4198		4.35%	4.40	8.7861
microFIT SERVICE CLASSIFICATION	4.55					4.55	



Incentive Rate-setting Mechanism Rates for 2024 Filers

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

Regulatory Charges

Effective Date of Regulatory Charges		January 1, 2023	January 1, 2024
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$/kWh	0.25	0.25

Time-of-Use RPP Prices and Percentages

As of	November 1, 2022		
Off-Peak	\$/kWh	0.0740	63%
Mid-Peak	\$/kWh	0.1020	18%
On-Peak	\$/kWh	0.1510	19%

Smart Meter Entity Charge (SME)

Smart Meter Entity Charge (SME)	\$	0.42
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Distribution Rate Protection (DRP) Amount (Applicable to LDCs under the Distribution Rate Protection program):

\$	39.49
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Miscellaneous Service Charges

Wireline Pole Attachment Charge	Unit	Current charge	Inflation factor *	Proposed charge ** / ***
Specific charge for access to the power poles - per pole/year	\$	36.05	4.80%	37.78

Retail Service Charges

		Current charge	Inflation factor*	Proposed charge ***
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	111.66	4.80%	117.02
Monthly fixed charge, per retailer	\$	44.67	4.80%	46.81
Monthly variable charge, per customer, per retailer	\$/cust.	1.11	4.80%	1.16
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.66	4.80%	0.69
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.66)	4.80%	(0.69)
Service Transaction Requests (STR)			4.80%	-
Request fee, per request, applied to the requesting party	\$	0.56	4.80%	0.59
Processing fee, per request, applied to the requesting party	\$	1.11	4.80%	1.16
Electronic Business Transaction (EBT) system, applied to the requesting party				
up to twice a year		no charge		no charge
more than twice a year, per request (plus incremental delivery costs)	\$	4.47	4.80%	4.68
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.23	4.80%	2.34

* OEB approved inflation rate effective in 2024

** applicable only to LDCs in which the province-wide pole attachment charge applies

*** subject to change pending OEB order on miscellaneous service charges



Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

In the Green Cells below, enter all proposed rate riders/rates.

In column A, select the rate rider descriptions from the drop-down list in the blue cells. If the rate description cannot be found, enter the rate rider descriptions in the green cells. The rate rider description must begin with "Rate Rider for".

In column B, choose the associated unit from the drop-down menu.

In column C, enter the rate. All rate riders with a "S" unit should be rounded to 2 decimal places and all others rounded to 4 decimal places.

In column D, enter the expiry date (e.g. April 30, 2025) or description of the expiry date in text (e.g. the effective date of the next cost of service-based rate order).

In column E, a sub-total (A or B) should already be assigned to the rate rider unless the rate description was entered into a green cell in column A. In these particular cases, from the dropdown list in column G, choose the appropriate sub-total (A or B). Sub-total A refers to rates/rate riders that Not considered as pass through costs (eg: LRAMVA and ICM/ACM rate riders). Sub-total B refers to rates/rate riders that are considered pass through costs.

RESIDENTIAL SERVICE CLASSIFICATION	UNIT	RATE	DATE (e.g. April 30, 2024)	SUB-TOTAL
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
Rate Rider for Storm Damage Costs (2022)	\$	1.80	- effective until 2024-12-31	A
			- effective until	

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	UNIT	RATE	DATE (e.g. April 30, 2024)	SUB-TOTAL
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
Rate Rider for Storm Damage Costs (2022)	\$	4.31	- effective until 2024-12-31	A
			- effective until	

GENERAL SERVICE 50 to 4,999 KW SERVICE CLASSIFICATION	UNIT	RATE	DATE (e.g. April 30, 2024)	SUB-TOTAL
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
Rate Rider for Storm Damage Costs (2022)	\$	95.50	- effective until 2024-12-31	A
			- effective until	

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	UNIT	RATE	DATE (e.g. April 30, 2024)	SUB-TOTAL
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
Rate Rider for Storm Damage Costs (2022)	\$	506.67	- effective until 2024-12-31	A
			- effective until	

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	UNIT	RATE	DATE (e.g. April 30, 2024)	SUB-TOTAL
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
Rate Rider for Storm Damage Costs (2022)	\$	5.95	- effective until 2024-12-31	A
			- effective until	

STANDBY POWER SERVICE CLASSIFICATION	UNIT	RATE	DATE (e.g. April 30, 2024)	SUB-TOTAL
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	

SENTINEL LIGHTING SERVICE CLASSIFICATION	UNIT	RATE	DATE (e.g. April 30, 2024)	SUB-TOTAL
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
Rate Rider for Storm Damage Costs (2022)	\$	0.34	- effective until 2024-12-31	A
			- effective until	

STREET LIGHTING SERVICE CLASSIFICATION	UNIT	RATE	DATE (e.g. April 30, 2024)	SUB-TOTAL
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
Rate Rider for Storm Damage Costs (2022)	\$	0.21	- effective until 2024-12-31	A
			- effective until	

microFIT SERVICE CLASSIFICATION	UNIT	RATE	DATE (e.g. April 30, 2024)	SUB-TOTAL
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	

Canadian Niagara Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2024
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2023-0009

RESIDENTIAL SERVICE CLASSIFICATION

The Residential Class (Regular) refers to a service taking electricity normally at 750 volts or less where the electricity is used for domestic and household purposes in a single family unit. A single family unit being a permanent structure located on a single parcel of land and approved by a civic authority as a dwelling and occupied for that purpose by a single customer. Residential rates are also applied to apartment buildings with 6 units or less that are bulk metered. Apartment buildings with more than 6 units that are bulk metered are deemed to be General Service. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	43.27
Rate Rider for Storm Damage Costs (2022) - effective until December 31, 2024	\$	1.80
Smart Metering Entity Charge - effective until December 31, 2027	\$	0.42
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider for Disposition of Capacity Based Recovery Account (2024) - effective until December 31, 2024		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2024) - effective until December 31, 2024	\$/kWh	0.0022
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0098
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0077

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Canadian Niagara Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2024
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2023-0009

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to single commercial or industrial customer and whose average peak demand is (or is forecasted to be) less than 50 kW. Single commercial or industrial customers are interpreted as a structure or structures on a single parcel of land occupied by one customer. An apartment building with more than 6 units that is bulk metered and has an average peak demand less than 50 kW is deemed to be General Service less than 50 kW. The common area of a separately metered apartment building having a demand less than 50 kW is also deemed to be General Service less than 50 kW. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	36.46
Rate Rider for Storm Damage Costs (2022) - effective until December 31, 2024	\$	4.31
Smart Metering Entity Charge - effective until December 31, 2027	\$	0.42
Distribution Volumetric Rate	\$/kWh	0.0296
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider for Disposition of Capacity Based Recovery Account (2024) - effective until December 31, 2024 Applicable only for Class B Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2024) - effective until December 31, 2024	\$/kWh	0.0011
Rate Rider for Disposition of Deferral/Variance Accounts (2024) - effective until December 31, 2024	\$/kWh	0.0024
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0084
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0067

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007

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EB-2023-0009
0.25

Standard Supply Service - Administrative Charge (if applicable) \$

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GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to single commercial or industrial customer and whose average peak demand is (or is forecasted to be) equal to or greater than 50 kW but less than 5000 kW. Single commercial or industrial customers are interpreted as a structure or structures on a single parcel of land occupied by one customer. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to WMP, customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	182.84
Rate Rider for Storm Damage Costs (2022) - effective until December 31, 2024	\$	95.50
Distribution Volumetric Rate	\$/kW	8.6328
Low Voltage Service Rate	\$/kW	0.1094

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Rate Rider for Disposition of Capacity Based Recovery Account (2024) - effective until December 31, 2024 Applicable only for Class B Customers	\$/kW	(0.0403)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2024) - effective until December 31, 2024	\$/kW	(0.0886)
Rate Rider for Disposition of Deferral/Variance Accounts (2024) - effective until December 31, 2024	\$/kW	0.8149
Retail Transmission Rate - Network Service Rate	\$/kW	3.5423
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.7676

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Board, that is provided electricity by means of this distributor's facilities. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	657.91
Rate Rider for Storm Damage Costs (2022) - effective until December 31, 2024	\$	506.67
Distribution Volumetric Rate	\$/kW	9.9410
Low Voltage Service Rate	\$/kW	0.1448
Rate Rider for Disposition of Capacity Based Recovery Account (2024) - effective until December 31, 2024		
Applicable only for Class B Customers	\$/kW	(0.0470)
Rate Rider for Disposition of Deferral/Variance Accounts (2024) - effective until December 31, 2024	\$/kW	0.9566
Retail Transmission Rate - Network Service Rate	\$/kW	3.5423
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.7676

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to the supply of electrical service to a customer that is deemed to have a constant load over a billing period, normally with minimum electrical consumption and the consumption is unmetered. Energy consumption is based on connected wattage and calculated hours of use. Examples of unmetered scattered load are cable television amplifiers, billboards, area lighting. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per account)	\$	57.49
Rate Rider for Storm Damage Costs (2022) - effective until December 31, 2024	\$	5.95
Distribution Volumetric Rate	\$/kWh	0.0312
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider for Disposition of Capacity Based Recovery Account (2024) - effective until December 31, 2024		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2024) - effective until December 31, 2024	\$/kWh	0.0025
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0087
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0068

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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STANDBY POWER SERVICE CLASSIFICATION

The Standby subclass charge is applied to a customer with load displacement facilities behind its meter but is dependent on Canadian Niagara Power Inc. to supply a minimum amount of electricity in the event the customer's own facilities are out of service. The minimum amount of supply that Canadian Niagara Power Inc. must supply is a contracted amount agreed upon between the customer and Canadian Niagara Power Inc. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - APPROVED ON AN INTERIM BASIS

Standby Charge - for a month where standby power is not provided. The charge is applied to the contracted amount (e.g. nameplate rating of generation facility)

\$/kW

1.4182

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SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to all services required to supply sentinel lighting equipment. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per device)	\$	6.58
Rate Rider for Storm Damage Costs (2022) - effective until December 31, 2024	\$	0.34
Distribution Volumetric Rate	\$/kW	7.6065
Low Voltage Service Rate	\$/kW	0.1182
Rate Rider for Disposition of Capacity Based Recovery Account (2024) - effective until December 31, 2024		
Applicable only for Class B Customers	\$/kW	(0.0391)
Rate Rider for Disposition of Deferral/Variance Accounts (2024) - effective until December 31, 2024	\$/kW	0.9627
Retail Transmission Rate - Network Service Rate	\$/kW	3.0187
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.2586

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to the supply of electrical service for roadway lighting. Energy consumption is based on connected wattage and calculated hours of use. Customers are usually a Municipality, Region or the Ministry of Transportation. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per device)	\$	4.40
Rate Rider for Storm Damage Costs (2022) - effective until December 31, 2024	\$	0.21
Distribution Volumetric Rate	\$/kW	8.7861
Low Voltage Service Rate	\$/kW	0.1105
Rate Rider for Disposition of Capacity Based Recovery Account (2024) - effective until December 31, 2024		
Applicable only for Class B Customers	\$/kW	(0.0418)
Rate Rider for Disposition of Deferral/Variance Accounts (2024) - effective until December 31, 2024	\$/kW	0.7901
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2024) - effective until December 31, 2024	\$/kW	5.1904
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until December 31, 2024	\$/kW	6.2707
Retail Transmission Rate - Network Service Rate	\$/kW	2.6219
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1117

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	4.55
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ALLOWANCES

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

SPECIFIC SERVICE CHARGES

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

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

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

Customer Administration

Arrears certificate (credit reference)	\$	15.00
Statement of account	\$	15.00
Pulling post dated cheques	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement letter	\$	15.00
Income tax letter	\$	15.00
Notification charge	\$	15.00
Account history	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Returned cheque (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
Legal letter charge	\$	15.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	%	1.50
Reconnection at meter - during regular hours	\$	65.00
Reconnection at meter - after regular hours	\$	185.00
Reconnection at pole - during regular hours	\$	185.00
Reconnection at pole - after regular hours	\$	415.00

Other

Special meter reads	\$	30.00
Service call - customer owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Temporary service install & remove - overhead - no transformer	\$	500.00
Temporary service install & remove - underground - no transformer	\$	300.00
Temporary service install & remove - overhead - with transformer	\$	1,000.00
Specific charge for access to the power poles - per pole/year (with the exception of wireless attachments)	\$	37.78

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RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

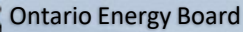
Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity.

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	117.02
Monthly fixed charge, per retailer	\$	46.81
Monthly variable charge, per customer, per retailer	\$/cust.	1.16
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.69
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.69)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.59
Processing fee, per request, applied to the requesting party	\$	1.16
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	4.68
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.34

LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0524
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0419



Incentive Rate-setting Mechanism Rate Generator for 2024 Filers

The bill comparisons below must be provided for typical customers and consumption levels. Bill impacts must be provided for residential customers consuming 750 kWh per month and general service customers consuming 2,000 kWh per month and having a monthly demand of less than 50 kW. Include bill comparisons for Non-RPP (retailer) as well. **Those distributors that are still in the process of moving to fully fixed residential rates should refer to section 3.2.3 of Chapter 3 of the Filing Requirements for Incentive Rate-Setting Applications.**

For certain classes where one or more customers have unique consumption and demand patterns and which may be significantly impacted by the proposed rate changes, the distributor must show a typical comparison, and provide an explanation.

Note:

1. For those classes that are not eligible for the RPP price, the weighted average price including Class B GA of **\$0.1076/kWh** (IESO's [Monthly Market Report for May 2023](#)) has been used to represent the cost of power. For those classes on a retailer contract, applicants should enter the contract price (plus GA) for a more accurate estimate. Changes to the cost of power can be made directly on the bill impact table for the specific class.

2. Please enter the applicable billing determinant (e.g. number of connections or devices) to be applied to the monthly service charge for unmetered rate classes in column N. If the monthly service charge is applied on a per customer basis, enter the number "1". Distributors should provide the number of connections or devices reflective of a typical customer in each class.

 Note that cells with the highlighted color shown to the left indicate quantities that are loss adjusted.

Table 1

[illegible]

Table 2

[illegible]

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	750	kWh	
Demand	-	kW	
Current Loss Factor	1.0524		
Proposed/Approved Loss Factor	1.0524		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 41.47	1	\$ 41.47	\$ 43.27	1	\$ 43.27	\$ 1.80	4.34%
Distribution Volumetric Rate	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
Fixed Rate Riders	\$ -	1	\$ -	\$ 1.80	1	\$ 1.80	\$ 1.80	
Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
Sub-Total A (excluding pass through)			\$ 41.47			\$ 45.07	\$ 3.60	8.68%
Line Losses on Cost of Power	\$ 0.0937	39	\$ 3.68	\$ 0.0937	39	\$ 3.68	\$ -	0.00%
Total Deferral/Variance Account Rate	\$ 0.0016	750	\$ 1.20	\$ 0.0022	750	\$ 1.65	\$ 0.45	37.50%
Riders	\$ 0.0001	750	\$ (0.08)	\$ 0.0001	750	\$ (0.08)	\$ -	0.00%
CBR Class B Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
GA Rate Riders	\$ 0.0003	750	\$ 0.23	\$ 0.0004	750	\$ 0.30	\$ 0.08	33.33%
Low Voltage Service Charge	\$ 0.42	1	\$ 0.42	\$ 0.42	1	\$ 0.42	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.29	1	\$ 0.29	\$ -	1	\$ -	\$ (0.29)	-100.00%
Additional Fixed Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
Additional Volumetric Rate Riders								
Sub-Total B - Distribution (includes Sub-Total A)			\$ 47.21			\$ 51.05	\$ 3.83	8.12%
RTSR - Network	\$ 0.0100	789	\$ 7.89	\$ 0.0098	789	\$ 7.74	\$ (0.16)	-2.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0077	789	\$ 6.08	\$ 0.0077	789	\$ 6.08	\$ -	0.00%
Sub-Total C - Delivery (including Sub-Total B)			\$ 61.18			\$ 64.86	\$ 3.68	6.01%
Wholesale Market Service Charge (WMSC)	\$ 0.0045	789	\$ 3.55	\$ 0.0045	789	\$ 3.55	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0007	789	\$ 0.55	\$ 0.0007	789	\$ 0.55	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0740	473	\$ 34.97	\$ 0.0740	473	\$ 34.97	\$ -	0.00%
TOU - Mid Peak	\$ 0.1020	135	\$ 13.77	\$ 0.1020	135	\$ 13.77	\$ -	0.00%
TOU - On Peak	\$ 0.1510	143	\$ 21.52	\$ 0.1510	143	\$ 21.52	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 135.79			\$ 139.47	\$ 3.68	2.71%
HST	13%		\$ 17.65	13%		\$ 18.13	\$ 0.48	2.71%
Ontario Electricity Rebate	11.7%		\$ (15.89)	11.7%		\$ (16.32)	\$ (0.43)	
Total Bill on TOU			\$ 137.55			\$ 141.28	\$ 3.72	2.71%

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	2,000	kWh	
Demand	-	kW	
Current Loss Factor	1.0524		
Proposed/Approved Loss Factor	1.0524		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 34.94	1	\$ 34.94	\$ 36.46	1	\$ 36.46	\$ 1.52	4.35%
Distribution Volumetric Rate	\$ 0.0284	2000	\$ 56.80	\$ 0.0296	2000	\$ 59.20	\$ 2.40	4.23%
Fixed Rate Riders	\$ -	1	\$ -	\$ 4.31	1	\$ 4.31	\$ 4.31	
Volumetric Rate Riders	\$ -	2000	\$ -	\$ 0.0011	2000	\$ 2.20	\$ 2.20	
Sub-Total A (excluding pass through)			\$ 91.74			\$ 102.17	\$ 10.43	11.37%
Line Losses on Cost of Power	\$ 0.0937	105	\$ 9.82	\$ 0.0937	105	\$ 9.82	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0016	2,000	\$ 3.20	\$ 0.0024	2,000	\$ 4.80	\$ 1.60	50.00%
CBR Class B Rate Riders	\$ 0.0001	2,000	\$ (0.20)	\$ 0.0001	2,000	\$ (0.20)	\$ -	0.00%
GA Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0003	2,000	\$ 0.60	\$ 0.0004	2,000	\$ 0.80	\$ 0.20	33.33%
Smart Meter Entity Charge (if applicable)	\$ 0.42	1	\$ 0.42	\$ 0.42	1	\$ 0.42	\$ -	0.00%
Additional Fixed Rate Riders	\$ 0.61	1	\$ 0.61	\$ -	1	\$ -	\$ (0.61)	-100.00%
Additional Volumetric Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 106.19			\$ 117.81	\$ 11.62	10.94%
RTSR - Network	\$ 0.0086	2,105	\$ 18.10	\$ 0.0084	2,105	\$ 17.68	\$ (0.42)	-2.33%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0067	2,105	\$ 14.10	\$ 0.0067	2,105	\$ 14.10	\$ -	0.00%
Sub-Total C - Delivery (including Sub-Total B)			\$ 138.39			\$ 149.59	\$ 11.20	8.09%
Wholesale Market Service Charge (WMSC)	\$ 0.0045	2,105	\$ 9.47	\$ 0.0045	2,105	\$ 9.47	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0007	2,105	\$ 1.47	\$ 0.0007	2,105	\$ 1.47	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0740	1,260	\$ 93.24	\$ 0.0740	1,260	\$ 93.24	\$ -	0.00%
TOU - Mid Peak	\$ 0.1020	360	\$ 36.72	\$ 0.1020	360	\$ 36.72	\$ -	0.00%
TOU - On Peak	\$ 0.1510	380	\$ 57.38	\$ 0.1510	380	\$ 57.38	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 336.93			\$ 348.12	\$ 11.20	3.32%
HST	13%		\$ 43.80	13%		\$ 45.26	\$ 1.46	3.32%
Ontario Electricity Rebate	11.7%		\$ (39.42)	11.7%		\$ (40.73)	\$ (1.31)	
Total Bill on TOU			\$ 341.31			\$ 352.65	\$ 11.34	3.32%

Customer Class:	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Retailer)
Consumption	20,000 kWh
Demand	60 kW
Current Loss Factor	1.0524
Proposed/Approved Loss Factor	1.0524

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 175.22	1	\$ 175.22	\$ 182.84	1	\$ 182.84	\$ 7.62	4.35%
Distribution Volumetric Rate	\$ 8.2729	60	\$ 496.37	\$ 8.6328	60	\$ 517.97	\$ 21.59	4.35%
Fixed Rate Riders	\$ -	1	\$ -	\$ 95.50	1	\$ 95.50	\$ 95.50	
Volumetric Rate Riders	\$ -	60	\$ -	\$ 0.0886	60	\$ (5.32)	\$ (5.32)	
Sub-Total A (excluding pass through)			\$ 671.59			\$ 790.99	\$ 119.40	17.78%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 0.5002	60	\$ 30.01	\$ 0.8149	60	\$ 48.89	\$ 18.88	62.91%
CBR Class B Rate Riders	\$ 0.0262	60	\$ (1.57)	\$ 0.0403	60	\$ (2.42)	\$ (0.85)	53.82%
GA Rate Riders	\$ 0.0004	20,000	\$ (8.00)	\$ -	20,000	\$ -	\$ 8.00	-100.00%
Low Voltage Service Charge	\$ 0.1094	60	\$ 6.56	\$ 0.1094	60	\$ 6.56	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ 13.53	1	\$ 13.53	\$ -	1	\$ -	\$ (13.53)	-100.00%
Additional Volumetric Rate Riders	\$ -	60	\$ -	\$ -	60	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 712.13			\$ 844.03	\$ 131.90	18.52%
RTSR - Network	\$ 3.6282	60	\$ 217.69	\$ 3.5423	60	\$ 212.54	\$ (5.15)	-2.37%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.7620	60	\$ 165.72	\$ 2.7676	60	\$ 166.06	\$ 0.34	0.20%
Sub-Total C - Delivery (including Sub-Total B)			\$ 1,095.54			\$ 1,222.63	\$ 127.09	11.60%
Wholesale Market Service Charge (WMSC)	\$ 0.0045	21,048	\$ 94.72	\$ 0.0045	21,048	\$ 94.72	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0007	21,048	\$ 14.73	\$ 0.0007	21,048	\$ 14.73	\$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1076	21,048	\$ 2,264.76	\$ 0.1076	21,048	\$ 2,264.76	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 3,469.75			\$ 3,596.84	\$ 127.09	3.66%
HST	13%		\$ 451.07	13%		\$ 467.59	\$ 16.52	3.66%
Ontario Electricity Rebate	11.7%		\$ (405.96)	11.7%		\$ (420.83)		
Total Bill on Non-RPP Avg. Price			\$ 3,920.82			\$ 4,064.43	\$ 143.61	3.66%

Customer Class:	EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	468,676	kWh
Demand	1,127	kW
Current Loss Factor	1.0524	
Proposed/Approved Loss Factor	1.0524	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 630.48	1	\$ 630.48	\$ 657.91	1	\$ 657.91	\$ 27.43	4.35%
Distribution Volumetric Rate	\$ 9.5266	1127	\$ 10,736.48	\$ 9.9410	1127	\$ 11,203.51	\$ 467.03	4.35%
Fixed Rate Riders	\$ -	1	\$ -	\$ 506.67	1	\$ 506.67	\$ 506.67	
Volumetric Rate Riders	\$ -	1127	\$ -	\$ -	1127	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ 11,366.96			\$ 12,368.09	\$ 1,001.13	8.81%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 0.5977	1,127	\$ 673.61	\$ 0.9566	1,127	\$ 1,078.09	\$ 404.48	60.05%
CBR Class B Rate Riders	\$ 0.0306	1,127	\$ (34.49)	\$ 0.0470	1,127	\$ (52.97)	\$ (18.48)	53.59%
GA Rate Riders	\$ 0.0004	468,676	\$ (187.47)	\$ -	468,676	\$ -	\$ 187.47	-100.00%
Low Voltage Service Charge	\$ 0.1094	1,127	\$ 123.29	\$ 0.1448	1,127	\$ 163.19	\$ 39.90	32.36%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ 76.62	1	\$ 76.62	\$ -	1	\$ -	\$ (76.62)	-100.00%
Additional Volumetric Rate Riders	\$ -	1,127	\$ -	\$ -	1,127	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 12,018.52			\$ 13,556.40	\$ 1,537.87	12.80%
RTSR - Network	\$ 3.6282	1,127	\$ 4,088.98	\$ 3.5423	1,127	\$ 3,992.17	\$ (96.81)	-2.37%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.7620	1,127	\$ 3,112.77	\$ 2.7676	1,127	\$ 3,119.09	\$ 6.31	0.20%
Sub-Total C - Delivery (including Sub-Total B)			\$ 19,220.28			\$ 20,667.65	\$ 1,447.37	7.53%
Wholesale Market Service Charge (WMSC)	\$ 0.0045	493,235	\$ 2,219.56	\$ 0.0045	493,235	\$ 2,219.56	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0007	493,235	\$ 345.26	\$ 0.0007	493,235	\$ 345.26	\$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1076	493,235	\$ 53,072.05	\$ 0.1076	493,235	\$ 53,072.05	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 74,857.14			\$ 76,304.52	\$ 1,447.37	1.93%
HST	13%		\$ 9,731.43	13%		\$ 9,919.59	\$ 188.16	1.93%
Ontario Electricity Rebate	11.7%		\$ -	11.7%		\$ -	\$ -	
Total Bill on Non-RPP Avg. Price			\$ 84,588.57			\$ 86,224.11	\$ 1,635.53	1.93%

Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	3,500	kWh
Demand	-	kW
Current Loss Factor	1.0524	
Proposed/Approved Loss Factor	1.0524	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 55.09	1	\$ 55.09	\$ 57.49	1	\$ 57.49	\$ 2.40	4.36%
Distribution Volumetric Rate	\$ 0.0299	3500	\$ 104.65	\$ 0.0312	3500	\$ 109.20	\$ 4.55	4.35%
Fixed Rate Riders	\$ -	1	\$ -	\$ 5.95	1	\$ 5.95	\$ 5.95	
Volumetric Rate Riders	\$ -	3500	\$ -	\$ -	3500	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ 159.74			\$ 172.64	\$ 12.90	8.08%
Line Losses on Cost of Power	\$ 0.0937	183	\$ 17.18	\$ 0.0937	183	\$ 17.18	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0017	3,500	\$ 5.95	\$ 0.0025	3,500	\$ 8.75	\$ 2.80	47.06%
CBR Class B Rate Riders	\$ 0.0001	3,500	\$ (0.35)	\$ 0.0001	3,500	\$ (0.35)	\$ -	0.00%
GA Rate Riders	\$ -	3,500	\$ -	\$ -	3,500	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0003	3,500	\$ 1.05	\$ 0.0004	3,500	\$ 1.40	\$ 0.35	33.33%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ 0.92	1	\$ 0.92	\$ -	1	\$ -	\$ (0.92)	-100.00%
Additional Volumetric Rate Riders	\$ -	3,500	\$ -	\$ -	3,500	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 184.49			\$ 199.62	\$ 15.13	8.20%
RTSR - Network	\$ 0.0089	3,683	\$ 32.78	\$ 0.0087	3,683	\$ 32.05	\$ (0.74)	-2.25%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0068	3,683	\$ 25.05	\$ 0.0068	3,683	\$ 25.05	\$ -	0.00%
Sub-Total C - Delivery (including Sub-Total B)			\$ 242.32			\$ 256.71	\$ 14.39	5.94%
Wholesale Market Service Charge (WMSC)	\$ 0.0045	3,683	\$ 16.58	\$ 0.0045	3,683	\$ 16.58	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0007	3,683	\$ 2.58	\$ 0.0007	3,683	\$ 2.58	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0740	2,205	\$ 163.17	\$ 0.0740	2,205	\$ 163.17	\$ -	0.00%
TOU - Mid Peak	\$ 0.1020	630	\$ 64.26	\$ 0.1020	630	\$ 64.26	\$ -	0.00%
TOU - On Peak	\$ 0.1510	665	\$ 100.42	\$ 0.1510	665	\$ 100.42	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 589.57			\$ 603.96	\$ 14.39	2.44%
HST	13%		\$ 76.64	13%		\$ 78.51	\$ 1.87	2.44%
Ontario Electricity Rebate	11.7%		\$ (68.98)	11.7%		\$ (70.66)	\$ (1.68)	
Total Bill on TOU			\$ 597.23			\$ 611.81	\$ 14.58	2.44%

Customer Class:	STANDBY POWER SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	-	kWh
Demand	4,500	kW
Current Loss Factor	1.0524	
Proposed/Approved Loss Factor	1.0524	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 1.3591	4500	\$ 6,115.95	\$ 1.4182	4500	\$ 6,381.90	\$ 265.95	4.35%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	4500	\$ -	\$ -	4500	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ 6,115.95			\$ 6,381.90	\$ 265.95	4.35%
Line Losses on Cost of Power	\$ 0.1076	-	\$ -	\$ 0.1076	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ -	4,500	\$ -	\$ -	4,500	\$ -	\$ -	
CBR Class B Rate Riders	\$ -	4,500	\$ -	\$ -	4,500	\$ -	\$ -	
GA Rate Riders	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Low Voltage Service Charge	\$ -	4,500	\$ -	\$ -	4,500	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	4,500	\$ -	\$ -	4,500	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 6,115.95			\$ 6,381.90	\$ 265.95	4.35%
RTSR - Network	\$ -	4,500	\$ -	\$ -	4,500	\$ -	\$ -	
RTSR - Connection and/or Line and Transformation Connection	\$ -	4,500	\$ -	\$ -	4,500	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 6,115.95			\$ 6,381.90	\$ 265.95	4.35%
Wholesale Market Service Charge (WMSC)	\$ 0.0045	-	\$ -	\$ 0.0045	-	\$ -	\$ -	
Rural and Remote Rate Protection (RRRP)	\$ 0.0007	-	\$ -	\$ 0.0007	-	\$ -	\$ -	
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1076	-	\$ -	\$ 0.1076	-	\$ -	\$ -	
Total Bill on Average IESO Wholesale Market Price			\$ 6,116.20			\$ 6,382.15	\$ 265.95	4.35%
HST	13%		\$ 795.11	13%		\$ 829.68	\$ 34.57	4.35%
Ontario Electricity Rebate	11.7%		\$ -	11.7%		\$ -	\$ -	
Total Bill on Average IESO Wholesale Market Price			\$ 6,911.31			\$ 7,211.83	\$ 300.52	4.35%

Customer Class:	SENTINEL LIGHTING SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	1,400	kWh	
Demand	5	kW	
Current Loss Factor	1.0524		
Proposed/Approved Loss Factor	1.0524		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6.31	18	\$ 113.58	\$ 6.58	18	\$ 118.44	\$ 4.86	4.28%
Distribution Volumetric Rate	\$ 7.2894	5	\$ 36.45	\$ 7.6065	5	\$ 38.03	\$ 1.59	4.35%
Fixed Rate Riders	\$ -	18	\$ -	\$ 0.34	18	\$ 6.12	\$ 6.12	
Volumetric Rate Riders	\$ -	5	\$ -	\$ -	5	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ 150.03			\$ 162.59	\$ 12.57	8.38%
Line Losses on Cost of Power	\$ 0.0937	73	\$ 6.87	\$ 0.0937	73	\$ 6.87	\$ -	0.00%
Total Deferral/Variance Account Rate	\$ 0.5064	5	\$ 2.53	\$ 0.9627	5	\$ 4.81	\$ 2.28	90.11%
Riders								
CBR Class B Rate Riders	\$ 0.0251	5	\$ (0.13)	\$ 0.0391	5	\$ (0.20)	\$ (0.07)	55.78%
GA Rate Riders	\$ -	1,400	\$ -	\$ -	1,400	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0892	5	\$ 0.45	\$ 0.1182	5	\$ 0.59	\$ 0.15	32.51%
Smart Meter Entity Charge (if applicable)	\$ -	18	\$ -	\$ -	18	\$ -	\$ -	
Additional Fixed Rate Riders	\$ 0.07	18	\$ 1.26	\$ -	18	\$ -	\$ (1.26)	-100.00%
Additional Volumetric Rate Riders	\$ -	5	\$ -	\$ -	5	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 161.01			\$ 174.67	\$ 13.66	8.49%
RTSR - Network	\$ 3.0919	5	\$ 15.46	\$ 3.0187	5	\$ 15.09	\$ (0.37)	-2.37%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.2540	5	\$ 11.27	\$ 2.2586	5	\$ 11.29	\$ 0.02	0.20%
Sub-Total C - Delivery (including Sub-Total B)			\$ 187.74			\$ 201.06	\$ 13.32	7.09%
Wholesale Market Service Charge (WMSC)	\$ 0.0045	1,473	\$ 6.63	\$ 0.0045	1,473	\$ 6.63	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0007	1,473	\$ 1.03	\$ 0.0007	1,473	\$ 1.03	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	18	\$ 4.50	\$ 0.25	18	\$ 4.50	\$ -	0.00%
TOU - Off Peak	\$ 0.0740	882	\$ 65.27	\$ 0.0740	882	\$ 65.27	\$ -	0.00%
TOU - Mid Peak	\$ 0.1020	252	\$ 25.70	\$ 0.1020	252	\$ 25.70	\$ -	0.00%
TOU - On Peak	\$ 0.1510	266	\$ 40.17	\$ 0.1510	266	\$ 40.17	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 331.04			\$ 344.36	\$ 13.32	4.02%
HST	13%		\$ 43.04	13%		\$ 44.77	\$ 1.73	4.02%
Ontario Electricity Rebate	11.7%		\$ (38.73)	11.7%		\$ (40.29)	\$ (1.56)	
Total Bill on TOU			\$ 335.34			\$ 348.84	\$ 13.49	4.02%

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	5,400	kWh
Demand	15	kW
Current Loss Factor	1.0524	
Proposed/Approved Loss Factor	1.0524	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 4.22	124	\$ 523.28	\$ 4.40	124	\$ 545.60	\$ 22.32	4.27%
Distribution Volumetric Rate	\$ 8.4198	15	\$ 126.30	\$ 8.7861	15	\$ 131.79	\$ 5.49	4.35%
Fixed Rate Riders	\$ -	124	\$ -	\$ 0.21	124	\$ 26.04	\$ 26.04	
Volumetric Rate Riders	\$ 6.2707	15	\$ 94.06	\$ 11.4611	15	\$ 171.92	\$ 77.86	82.77%
Sub-Total A (excluding pass through)			\$ 743.64			\$ 875.35	\$ 131.71	17.71%
Line Losses on Cost of Power	\$ 0.1076	283	\$ 30.45	\$ 0.1076	283	\$ 30.45	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.5202	15	\$ 7.80	\$ 0.7901	15	\$ 11.85	\$ 4.05	51.88%
CBR Class B Rate Riders	\$ 0.0269	15	\$ (0.40)	\$ 0.0418	15	\$ (0.63)	\$ (0.22)	55.39%
GA Rate Riders	\$ 0.0004	5,400	\$ (2.16)	\$ -	5,400	\$ -	\$ 2.16	-100.00%
Low Voltage Service Charge	\$ 0.0834	15	\$ 1.25	\$ 0.1105	15	\$ 1.66	\$ 0.41	32.49%
Smart Meter Entity Charge (if applicable)	\$ -	124	\$ -	\$ -	124	\$ -	\$ -	
Additional Fixed Rate Riders	\$ 0.03	124	\$ 3.72	\$ -	124	\$ -	\$ (3.72)	-100.00%
Additional Volumetric Rate Riders	\$ -	15	\$ -	\$ -	15	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 784.29			\$ 918.68	\$ 134.38	17.13%
RTSR - Network	\$ 2.6855	15	\$ 40.28	\$ 2.6219	15	\$ 39.33	\$ (0.95)	-2.37%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.1074	15	\$ 31.61	\$ 2.1117	15	\$ 31.68	\$ 0.06	0.20%
Sub-Total C - Delivery (including Sub-Total B)			\$ 856.19			\$ 989.68	\$ 133.49	15.59%
Wholesale Market Service Charge (WMSC)	\$ 0.0045	5,683	\$ 25.57	\$ 0.0045	5,683	\$ 25.57	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0007	5,683	\$ 3.98	\$ 0.0007	5,683	\$ 3.98	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	124	\$ 31.00	\$ 0.25	124	\$ 31.00	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1076	5,400	\$ 581.04	\$ 0.1076	5,400	\$ 581.04	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 1,497.78			\$ 1,631.27	\$ 133.49	8.91%
HST	13%		\$ 194.71	13%		\$ 212.07	\$ 17.35	8.91%
Ontario Electricity Rebate	11.7%		\$ -	11.7%		\$ -	\$ -	
Total Bill on Average IESO Wholesale Market Price			\$ 1,692.49			\$ 1,843.34	\$ 150.85	8.91%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0524	
Proposed/Approved Loss Factor	1.0524	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 41.47	1	\$ 41.47	\$ 43.27	1	\$ 43.27	\$ 1.80	4.34%
Distribution Volumetric Rate	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
Fixed Rate Riders	\$ -	1	\$ -	\$ 1.80	1	\$ 1.80	\$ 1.80	-
Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
Sub-Total A (excluding pass through)			\$ 41.47			\$ 45.07	\$ 3.60	8.68%
Line Losses on Cost of Power	\$ 0.1076	39	\$ 4.23	\$ 0.1076	39	\$ 4.23	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0016	750	\$ 1.20	\$ 0.0022	750	\$ 1.65	\$ 0.45	37.50%
CBR Class B Rate Riders	-\$ 0.0001	750	\$ (0.08)	-\$ 0.0001	750	\$ (0.08)	\$ -	0.00%
GA Rate Riders	-\$ 0.0004	750	\$ (0.30)	\$ -	750	\$ -	\$ 0.30	-100.00%
Low Voltage Service Charge	\$ 0.0003	750	\$ 0.23	\$ 0.0004	750	\$ 0.30	\$ 0.08	33.33%
Smart Meter Entity Charge (if applicable)	\$ 0.42	1	\$ 0.42	\$ 0.42	1	\$ 0.42	\$ -	0.00%
Additional Fixed Rate Riders	\$ 0.29	1	\$ 0.29	\$ -	1	\$ -	\$ (0.29)	-100.00%
Additional Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 47.46			\$ 51.59	\$ 4.13	8.71%
RTSR - Network	\$ 0.0100	789	\$ 7.89	\$ 0.0098	789	\$ 7.74	\$ (0.16)	-2.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0077	789	\$ 6.08	\$ 0.0077	789	\$ 6.08	\$ -	0.00%
Sub-Total C - Delivery (including Sub-Total B)			\$ 61.43			\$ 65.41	\$ 3.98	6.47%
Wholesale Market Service Charge (WMSC)	\$ 0.0045	789	\$ 3.55	\$ 0.0045	789	\$ 3.55	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0007	789	\$ 0.55	\$ 0.0007	789	\$ 0.55	\$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1076	750	\$ 80.70	\$ 0.1076	750	\$ 80.70	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 146.23			\$ 150.21	\$ 3.98	2.72%
HST	13%		\$ 19.01	13%		\$ 19.53	\$ 0.52	2.72%
Ontario Electricity Rebate	11.7%		\$ (17.11)	11.7%		\$ (17.57)		
Total Bill on Non-RPP Avg. Price			\$ 165.24			\$ 169.74	\$ 4.49	2.72%

Attachment “C”

GA Analysis Workform



GA Analysis Workform for 2024 Rate Applications

Version 1.0

Input cells
Drop down cells

Utility Name Canadian Niagara Power Inc.

Note 1

For Account 1589 and Account 1588, determine if a or b below applies and select the appropriate year related to the account balance in the drop-down box to the right.

a) If the account balances were last approved on a final basis, select the year of the year-end balances that were last approved on a final basis.

b) If the account balances were last approved on an interim basis, and

 i) there are no changes to the previously approved interim balances, select the year of the year-end balances that were last approved for disposition on an interim basis. OR

 ii) there are changes to the previously approved interim balances, select the year of the year-end balances that were last approved for disposition on a final basis. An explanation should be provided to explain the reason for the change in the previously approved interim balances.

(e.g. If the 2021 balances that were reviewed in the 2023 rate application were to be selected, select 2021)

Year Selected

2021

Instructions:

1) Determine which scenario above applies (a, bi or bii). Select the appropriate year to generate the appropriate GA Analysis Workform tabs, and information in the Principal Adjustments tab and Account 1588 tab.

For example:

- Scenario a -If 2021 balances were last approved on a final basis - Select 2021 and a GA Analysis Workform for 2022 will be generated. The input cells required in the Principal Adjustment and Account 1588 tabs will be generated accordingly as well.
- Scenario bi - If 2021 balances were last approved on an interim basis and there are no changes to 2021 balances - Select 2021 and a GA Analysis Workform for 2022 will be generated. The input cells required in the Principal Adjustment and Account 1588 tabs will be generated accordingly as well.
- Scenario bii - If 2021 balances were last approved on an interim basis, there are changes to 2021 balances, and 2020 balances were last approved for disposition - Select 2020 and GA Analysis Workforms for 2021 and 2022 will be generated. The input cells required in the Principal Adjustment and Account 1588 tabs will be generated accordingly as well.

2) Complete the GA Analysis Workform for each year generated.

3) Complete the Account 1588 tab. Note that the number of years that require the reasonability test to be completed are shown in the Account 1588 tab, depending on the year selected on the Information Sheet.

4) Complete the Principal Adjustments tab. Note that the number of years that require principal adjustment reconciliations are all shown in the one Principal Adjustments tab, depending on the year selected on the Information Sheet.

See the separate document GA Analysis Workform Instructions for detailed instructions on how to complete the Workform and examples of reconciling items and principal adjustments.

Year	Annual Net Change in Expected GA Balance from GA Analysis	Net Change in Principal Balance in the GL	Reconciling Items	Adjusted Net Change in Principal Balance in the GL	Unresolved Difference	\$ Consumption at Actual Rate Paid	Unresolved Difference as % of Expected GA Payments to IESO
2022	\$ (40,988)	\$ 36,524	\$ (33,266)	\$ 3,258	\$ 44,246	\$ 5,719,007	0.8%
Cumulative Balance	\$ (40,988)	\$ 36,524	\$ (33,266)	\$ 3,258	\$ 44,246	\$ 5,719,007	N/A

Account 1588 Reconciliation Summary

Year	Account 1588 as a % of Account 4705
2022	-0.3%
Cumulative Balance	-0.3%



GA Analysis Workform

Note 2 Consumption Data Excluding for Loss Factor (Data to agree with RRR as applicable)

Year		2022		
Total Metered excluding WMP	C = A+B	482,972,983	kWh	100%
RPP	A	300,908,189	kWh	62.3%
Non RPP	B = D+E	182,064,794	kWh	37.7%
Non-RPP Class A	D	78,217,370	kWh	16.2%
Non-RPP Class B*	E	103,847,425	kWh	21.5%

*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

Note 3 GA Billing Rate

GA is billed on the

2nd Estimate

Please confirm that the same GA rate is used to bill all customer classes. If not, please provide further details

Yes

Please confirm that the GA Rate used for unbilled revenue is the same as the one used for billed revenue in any paticular month

Note 4 Analysis of Expected GA Amount

Year	2022								
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed (\$/kWh)	\$ Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Price Variance (\$)
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	N=M-K
January	9,254,000			9,254,000	0.04514	\$ 417,726	0.04353	\$ 402,827	\$ (14,899)
February	8,566,000			8,566,000	0.05325	\$ 456,140	0.05246	\$ 449,372	\$ (6,767)
March	9,134,000			9,134,000	0.05386	\$ 491,957	0.05941	\$ 542,651	\$ 50,694
April	8,351,000			8,351,000	0.08640	\$ 721,526	0.08293	\$ 692,548	\$ (28,978)
May	8,927,000			8,927,000	0.08685	\$ 775,310	0.08475	\$ 756,563	\$ (18,747)
June	9,127,000			9,127,000	0.08764	\$ 799,890	0.07868	\$ 718,112	\$ (81,778)
July	10,665,000			10,665,000	0.03704	\$ 395,032	0.04008	\$ 427,453	\$ 32,422
August	10,811,000			10,811,000	0.00034	\$ 3,676	0.00499	\$ 53,947	\$ 50,271
September	9,061,000			9,061,000	0.02755	\$ 249,631	0.03241	\$ 293,667	\$ 44,036
October	8,649,000			8,649,000	0.06803	\$ 588,391	0.06771	\$ 499,134	\$ (89,258)
November	8,432,000			8,432,000	0.06719	\$ 566,546	0.06989	\$ 589,312	\$ 22,766
December	8,562,000			8,562,000	0.03581	\$ 306,605	0.03427	\$ 293,420	\$ (13,185)
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	109,539,000	-	-	109,539,000		\$ 5,772,430		\$ 5,719,007	\$ (53,423)

Annual Non-RPP Class B Wholesale kWh *	Annual Non-RPP Class B Retail billed kWh	Annual Unaccounted for Energy Loss kWh	Weighted Average GA Actual Rate Paid (\$/kWh)**	Expected GA Volume Variance (\$)
O	P	Q=O-P	R	P= Q*R
109,781,000	109,539,000	242,000	0.05138	12,435

Equal to (AQEW - Class A + embedded generation kWh)(Non-RPP Class B retail kwh/Total retail Class B kWh)

**Equal to annual Non-RPP Class B \$ GA paid (i.e. non-RPP portion of CT 148 on IESO invoice) divided by Non-RPP Class B Wholesale kWh (as quantified in column O in the table above)

Total Expected GA Variance	\$ (40,988)
----------------------------	-------------

Calculated Loss Factor	1.0548
Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW	1.0524
Difference	0.0024

a) Please provide an explanation in the text box below if columns G and H for unbilled consumption are not used in the table above.

CNPI bills it's customers based on calendar month and has reports available that show a breakdown on consumption billed

b) Please provide an explanation in the text box below if the difference in loss factor is greater than 1%

N/A - Within 1% threshold.

Note 5 Reconciling Items

Item	Amount	Explanation	Principal Adjustments
			Principal Adjustment on DVA Continuity Schedule If "no", please provide an explanation
Net Change in Principal Balance in the GL (i.e. Transactions in the Year)	\$ 36,524		
1a CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year	\$ (51,563)	Nov and Dec 2021 RPP/non-RPP true-up reclass entries recorded in 2022 as well as true-up of Dec 2021 GA cost accrual vs actual IESO bill recorded in following month (Jan), record a CR adj to 2022.	Yes
1b CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year	\$ 30,000	Nov and Dec 2022 RPP/non-RPP true-up reclass entries recorded in 2023 as well as true-up of Dec 2022 GA cost accrual vs actual IESO bill recorded in following month (Jan), record a DR adj to 2022.	Yes
2a Remove prior year end unbilled to actual revenue differences	\$ 7,000	\$7k relates to the understatement of the Dec 2021 unbilled revenue accrual and billed actual (CR to be recorded in DVA in 2021), therefore record a DR adj to 2022.	Yes
2b Add current year end unbilled to actual revenue differences	\$ 258,000	\$258k relates to the overstatement of the December 2022 unbilled revenue accrual and billed actual (DR to be recorded in DVA in 2022), therefore record a DR adj to 2022.	Yes
3a Significant prior period billing adjustments recorded in current year			
3b Significant current period billing adjustments recorded in other year(s)	\$ (128,000)	GS>50 prior period billing correction (completed in 2023) for a customer. Amount is sum of GA related to billing correction of (\$74,000), and the reclassification of (\$54,000) to 1588 based on CT 148 true-up impact.	Yes
4a CT 2148 for prior period corrections			
4b			
5		Difference in Class A Global Adjustment (GA) accrued for unbilled revenue in Dec 2022 vs. IESO Class A GA CT 147 accrued expense. Actual Class A GA billed to customers for Dec 2022 consumption (billed in Jan 2023) was equal to IESO billed Class A GA expense per charge type 147.	Yes
6 Class A Global Adjustment	\$ 113,000		Yes
7 Correction of Gananoque RPP Settlement	\$ (261,703)	Relates to RPP settlement calculation correction to Gananoque service territory for 2021 whereby the basis of the GA component of the settlement calculation (and reclass to 1588 entries) was overstated because the non-RPP GA Deferral Recovery amount was included. Correction is DR to 1589 and \$Nil impact to 1588 in 2021 (reverse in 2022) because the difference is due back to the IESO via RPP settlements.	Yes
8			
9			
10			

Note 6	Adjusted Net Change in Principal Balance in the GL	\$ 3,258
	Net Change in Expected GA Balance in the Year Per Analysis	\$ (40,988)
	Unresolved Difference	\$ 44,246
	Unresolved Difference as % of Expected GA Payments to IESO	0.8%



Account 1588 Reasonability

Note 7 **Account 1588 Reasonability Test**

Year	Account 1588 - RSVA Power			Account 4705 - Power Purchased	Account 1588 as % of Account 4705
	Transactions ¹	Principal Adjustments ¹	Total Activity in Calendar Year		
2022	1,481,946	-	104,314	40,820,117	-0.3%
Cumulative	1,481,946	-	104,314	40,820,117	-0.3%

Notes

- 1) The transactions should equal the "Transaction" column in the DVA Continuity Schedule. This is also expected to equal the transactions in the general ledger (excluding transactions relating to the removal of approved disposition amounts as that is shown in a separate column in the DVA Continuity Schedule)
- 2) Principal adjustments should equal the "Principal Adjustments" column in the DVA Continuity Schedule. Principal adjustments adjust the transactions in the general ledger to the amount that should be requested for disposition.

GA Analysis Workform - Account 1588 and 1589 Principal Adjustment Reconciliation

Note 8 **Breakdown of principal adjustments included in last approved balance:**

Account 1589 - RSVA Global Adjustment			
Adjustment Description		Amount	To be reversed in current application?
1	CT 148 true-up of GA based on Actual Non-RPP Volumes - PY	(33,096)	No
2	CT 148 true-up of GA based on Actual Non-RPP Volumes - CY	51,563	Yes
3	Unbilled to actual revenue differences - PY	(25,000)	No
4	Unbilled to actual revenue differences - CY	(7,000)	Yes
5	Formulaic error in 1588/1589 true-up from 2019 to 2020	(86,657)	No
6	Correction of Gananoque RPP Settlement	261,703	Yes
7			
8			
Total		161,513	
Total principal adjustments included in last approved balance		161,513	
Difference		-	

Account 1588 - RSVA Power			
Adjustment Description		Amount	To be Reversed in Current Application?
1	CT 142/148 True-up of Comm + GA on Actual RPP/Non-RPP Volumes - PY	(43,562)	No
2	CT 142/148 True-up of Comm + GA on Actual RPP/Non-RPP Volumes - CY	53,732	Yes
3	Unbilled to actual revenue differences - PY	40,000	No
4	Unbilled to actual revenue differences - CY	96,000	Yes
5	microFIT/FIT true-up - PY	2,274	No
6	microFIT/FIT true-up - CY	(80,472)	Yes
7	Formulaic error in 1588/1589 true-up from 2019 to 2020	246,657	No
8			No
Total		314,629	
Total principal adjustments included in last approved balance		314,629	
Difference		-	

Note 9 **Principal adjustment reconciliation in current application:**

Notes

- 1) The "Transaction" column in the DVA Continuity Schedule is to equal the transactions in the general ledger (excluding transactions relating to the removal of approved disposition amounts as that is shown in a separate column in the DVA Continuity Schedule)
- 2) Any principal adjustments needed to adjust the transactions in the general ledger to the amount that should be requested for disposition should be shown separately in the "Principal Adjustments" column of the DVA Continuity Schedule
- 3) The "Variance RRR vs. 2022 Balance" column in the DVA Continuity Schedule should equal principal adjustments made in the current disposition period. It should not be impacted by reversals from prior year approved principal adjustments.
- 4) Principal adjustments to the pro-ration of CT 148 true-ups (i.e. principal adjustment #1 in tables below) are expected to be equal and offsetting between Account 1588 and Account 1589, if not, please explain. If this results in further adjustments to RPP settlements, this should be shown separately as a principal adjustment to CT 1142/142 (i.e. principal adjustment #2 in tables below)

Complete the table below for the current disposition period. Complete a table for each year included in the balance under review in this rate application. The number of tables to be completed is automatically generated based on data provided in the Information Sheet

Year	Account 1589 - RSVA Global Adjustment		
	Adjustment Description	Amount	Year Recorded in GL
2021	Reversals of prior approved principal adjustments (auto-populated from table above)		
	1		
	2	CT 148 true-up of GA based on Actual Non-RPP Volumes - CY	(51,563)
	3		2022
	4	Unbilled to actual revenue differences - CY	7,000
	5		2022
	6	Correction of Gananoque RPP Settlement	(261,703)
	7		2022
	8		
Total Reversal Principal Adjustments		(306,266)	
2022	Current year principal adjustments		
	1	CT 148 true-up of GA Charges based on actual Non-RPP volumes	30,000
	2	Unbilled to actual revenue differences	258,000
	3	Unbilled GA Class A revenue accrual and IESO CT 142 accrual	113,000
	4	GS>50 prior period billing correction for a customer	(128,000)
	5		2023
	6		
	7		
	8		
	Total Current Year Principal Adjustments		273,000
	Total Principal Adjustments to be Included on DVA Continuity Schedule/Tab 3 - IRM Rate Generator Model		(33,266)

Year	Account 1588 - RSVA Power		
	Adjustment Description	Amount	Year Recorded in GL
2021	Reversals of prior approved principal adjustments (auto-populated from table above)		
	1		
	2	CT 142/148 True-up of Comm + GA on Actual RPP/Non-RPP Volumes - CY	(53,732)
	3		2,022
	4	Unbilled to actual revenue differences - CY	(96,000)
	5		2,022
	6	microFIT/FIT true-up - CY	80,472
	7		2,022
	8		
Total Reversal Principal Adjustments		(69,260)	
2022	Current year principal adjustments		
	1	CT 148 true-up of GA Charges based on actual RPP volumes	30,000
	2	CT 1142/142 true-up based on actuals	55,000
	3	Unbilled to actual revenue differences	(282,000)
	4	microFIT/FIT true-up - CY	20,000
	5	GS>50 prior period billing correction for a customer	(42,000)
	6	IESO CT 101 (and H1 Electricity) accrual and billed actual differences	51,000
	7	Correction to a 2022 IESO CT 142 submission in 2023	(1,349,000)
	8		2,023
	Total Current Year Principal Adjustments		(1,517,000)
	Total Principal Adjustments to be Included on DVA Continuity Schedule/Tab 3 - IRM Rate Generator Model		(1,586,260)

Attachment “D”

Current Tariff of Rates and Charges

Canadian Niagara Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2023
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2022-0019

RESIDENTIAL SERVICE CLASSIFICATION

The Residential Class (Regular) refers to a service taking electricity normally at 750 volts or less where the electricity is used for domestic and household purposes in a single family unit. A single family unit being a permanent structure located on a single parcel of land and approved by a civic authority as a dwelling and occupied for that purpose by a single customer. Residential rates are also applied to apartment buildings with 6 units or less that are bulk metered. Apartment buildings with more than 6 units that are bulk metered are deemed to be General Service. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	41.47
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	\$	0.29
Smart Metering Entity Charge - effective until December 31, 2027	\$	0.42
Low Voltage Service Rate	\$/kWh	0.0003
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023		
Applicable only for Non-RPP Customers	\$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	\$/kWh	0.0016
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0100
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0077

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Canadian Niagara Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2023
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2022-0019

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to single commercial or industrial customer and whose average peak demand is (or is forecasted to be) less than 50 kW. Single commercial or industrial customers are interpreted as a structure or structures on a single parcel of land occupied by one customer. An apartment building with more than 6 units that is bulk metered and has an average peak demand less than 50 kW is deemed to be General Service less than 50 kW. The common area of a separately metered apartment building having a demand less than 50 kW is also deemed to be General Service less than 50 kW. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	34.94
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	\$	0.61
Smart Metering Entity Charge - effective until December 31, 2027	\$	0.42
Distribution Volumetric Rate	\$/kWh	0.0284
Low Voltage Service Rate	\$/kWh	0.0003
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023		
Applicable only for Non-RPP Customers	\$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	\$/kWh	0.0016
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0086
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0067

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Canadian Niagara Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2023
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2022-0019

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to single commercial or industrial customer and whose average peak demand is (or is forecasted to be) equal to or greater than 50 kW but less than 5000 kW. Single commercial or industrial customers are interpreted as a structure or structures on a single parcel of land occupied by one customer. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to WMP, customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	175.22
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	\$	13.53
Distribution Volumetric Rate	\$/kW	8.2729
Low Voltage Service Rate	\$/kW	0.1094
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023		
Applicable only for Non-RPP Customers	\$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	\$/kW	0.5002
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023		
Applicable only for Class B Customers	\$/kW	(0.0262)
Retail Transmission Rate - Network Service Rate	\$/kW	3.6282
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.7620

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Canadian Niagara Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2023
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2022-0019

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Board, that is provided electricity by means of this distributor's facilities. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	630.48
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	\$	76.62
Distribution Volumetric Rate	\$/kW	9.5266
Low Voltage Service Rate	\$/kW	0.1094
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023		
Applicable only for Non-RPP Customers	\$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	\$/kW	0.5977
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023		
Applicable only for Class B Customers	\$/kW	(0.0306)
Retail Transmission Rate - Network Service Rate	\$/kW	3.6282
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.7620

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Canadian Niagara Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2023
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EB-2022-0019

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to the supply of electrical service to a customer that is deemed to have a constant load over a billing period, normally with minimum electrical consumption and the consumption is unmetered. Energy consumption is based on connected wattage and calculated hours of use. Examples of unmetered scattered load are cable television amplifiers, billboards, area lighting. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per account)	\$	55.09
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	\$	0.92
Distribution Volumetric Rate	\$/kWh	0.0299
Low Voltage Service Rate	\$/kWh	0.0003
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023 Applicable only for Non-RPP Customers	\$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	\$/kWh	0.0017
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023 Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0089
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0068

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Canadian Niagara Power Inc.
TARIFF OF RATES AND CHARGES
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STANDBY POWER SERVICE CLASSIFICATION

The Standby subclass charge is applied to a customer with load displacement facilities behind its meter but is dependent on Canadian Niagara Power Inc. to supply a minimum amount of electricity in the event the customer's own facilities are out of service. The minimum amount of supply that Canadian Niagara Power Inc. must supply is a contracted amount agreed upon between the customer and Canadian Niagara Power Inc. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - APPROVED ON AN INTERIM BASIS

Standby Charge - for a month where standby power is not provided. The charge is applied to the contracted amount (e.g. nameplate rating of generation facility)

\$/kW

1.3591

Canadian Niagara Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2023
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EB-2022-0019

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to all services required to supply sentinel lighting equipment. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per device)	\$	6.31
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	\$	0.07
Distribution Volumetric Rate	\$/kW	7.2894
Low Voltage Service Rate	\$/kW	0.0892
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023		
Applicable only for Class B Customers	\$/kW	(0.0251)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	\$/kW	0.5064
Retail Transmission Rate - Network Service Rate	\$/kW	3.0919
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.2540

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Canadian Niagara Power Inc.
TARIFF OF RATES AND CHARGES
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STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to the supply of electrical service for roadway lighting. Energy consumption is based on connected wattage and calculated hours of use. Customers are usually a Municipality, Region or the Ministry of Transportation. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per device)	\$	4.22
Rate Rider for Recovery of Wind Storm Damage Costs - effective until December 31, 2023	\$	0.03
Distribution Volumetric Rate	\$/kW	8.4198
Low Voltage Service Rate	\$/kW	0.0834
Rate Rider for Disposition of Global Adjustment Account (2023) - effective until December 31, 2023		
Applicable only for Non-RPP Customers	\$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2023) - effective until December 31, 2023	\$/kW	0.5202
Rate Rider for Disposition of Capacity Based Recovery Account (2023) - effective until December 31, 2023		
Applicable only for Class B Customers	\$/kW	(0.0269)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021)		
- effective until December 31, 2024	\$/kW	6.2707
Retail Transmission Rate - Network Service Rate	\$/kW	2.6855
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1074

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Canadian Niagara Power Inc.
TARIFF OF RATES AND CHARGES
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EB-2022-0019

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	4.55
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ALLOWANCES

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

Canadian Niagara Power Inc.
TARIFF OF RATES AND CHARGES
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EB-2022-0019

SPECIFIC SERVICE CHARGES

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

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

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

Customer Administration

Arrears certificate (credit reference)	\$	15.00
Statement of account	\$	15.00
Pulling post dated cheques	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement letter	\$	15.00
Income tax letter	\$	15.00
Notification charge	\$	15.00
Account history	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Returned cheque (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
Legal letter charge	\$	15.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late payment - per month		
(effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	%	1.50
Reconnection at meter - during regular hours	\$	65.00
Reconnection at meter - after regular hours	\$	185.00
Reconnection at pole - during regular hours	\$	185.00
Reconnection at pole - after regular hours	\$	415.00

Other

Special meter reads	\$	30.00
Service call - customer owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Temporary service install & remove - overhead - no transformer	\$	500.00
Temporary service install & remove - underground - no transformer	\$	300.00
Temporary service install & remove - overhead - with transformer	\$	1,000.00
Specific charge for access to the power poles - per pole/year		
(with the exception of wireless attachments)	\$	36.05

Canadian Niagara Power Inc.
TARIFF OF RATES AND CHARGES
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EB-2022-0019

RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	111.66
Monthly fixed charge, per retailer	\$	44.67
Monthly variable charge, per customer, per retailer	\$/cust.	1.11
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.66
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.66)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.56
Processing fee, per request, applied to the requesting party	\$	1.11
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	4.47
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.23

LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0524
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0419

Attachment “E”

Proposed Tariff of Rates and Charges

Canadian Niagara Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2024
This schedule supersedes and replaces all previously
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EB-2023-0009

RESIDENTIAL SERVICE CLASSIFICATION

The Residential Class (Regular) refers to a service taking electricity normally at 750 volts or less where the electricity is used for domestic and household purposes in a single family unit. A single family unit being a permanent structure located on a single parcel of land and approved by a civic authority as a dwelling and occupied for that purpose by a single customer. Residential rates are also applied to apartment buildings with 6 units or less that are bulk metered. Apartment buildings with more than 6 units that are bulk metered are deemed to be General Service. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	43.27
Rate Rider for Storm Damage Costs (2022) - effective until December 31, 2024	\$	1.80
Smart Metering Entity Charge - effective until December 31, 2027	\$	0.42
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider for Disposition of Capacity Based Recovery Account (2024) - effective until December 31, 2024 Applicable only for Class B Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2024) - effective until December 31, 2024	\$/kWh	0.0022
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0098
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0077

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Canadian Niagara Power Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2024

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EB-2023-0009

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to single commercial or industrial customer and whose average peak demand is (or is forecasted to be) less than 50 kW. Single commercial or industrial customers are interpreted as a structure or structures on a single parcel of land occupied by one customer. An apartment building with more than 6 units that is bulk metered and has an average peak demand less than 50 kW is deemed to be General Service less than 50 kW. The common area of a separately metered apartment building having a demand less than 50 kW is also deemed to be General Service less than 50 kW. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	36.46
Rate Rider for Storm Damage Costs (2022) - effective until December 31, 2024	\$	4.31
Smart Metering Entity Charge - effective until December 31, 2027	\$	0.42
Distribution Volumetric Rate	\$/kWh	0.0296
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider for Disposition of Capacity Based Recovery Account (2024) - effective until December 31, 2024 Applicable only for Class B Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2024) - effective until December 31, 2024	\$/kWh	0.0011
Rate Rider for Disposition of Deferral/Variance Accounts (2024) - effective until December 31, 2024	\$/kWh	0.0024
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0084
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0067

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Canadian Niagara Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2024
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2023-0009

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to single commercial or industrial customer and whose average peak demand is (or is forecasted to be) equal to or greater than 50 kW but less than 5000 kW. Single commercial or industrial customers are interpreted as a structure or structures on a single parcel of land occupied by one customer. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to WMP, customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	182.84
Rate Rider for Storm Damage Costs (2022) - effective until December 31, 2024	\$	95.50
Distribution Volumetric Rate	\$/kW	8.6328
Low Voltage Service Rate	\$/kW	0.1448
Rate Rider for Disposition of Capacity Based Recovery Account (2024) - effective until December 31, 2024		
Applicable only for Class B Customers	\$/kW	(0.0403)

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Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2024) - effective until December 31, 2024	\$/kW	(0.0886)
Rate Rider for Disposition of Deferral/Variance Accounts (2024) - effective until December 31, 2024	\$/kW	0.8149
Retail Transmission Rate - Network Service Rate	\$/kW	3.5423
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.7676

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Canadian Niagara Power Inc.
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EB-2023-0009

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Board, that is provided electricity by means of this distributor's facilities. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	657.91
Rate Rider for Storm Damage Costs (2022) - effective until December 31, 2024	\$	506.67
Distribution Volumetric Rate	\$/kW	9.9410
Low Voltage Service Rate	\$/kW	0.1448
Rate Rider for Disposition of Capacity Based Recovery Account (2024) - effective until December 31, 2024		
Applicable only for Class B Customers	\$/kW	(0.0470)
Rate Rider for Disposition of Deferral/Variance Accounts (2024) - effective until December 31, 2024	\$/kW	0.9566
Retail Transmission Rate - Network Service Rate	\$/kW	3.5423
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.7676

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Canadian Niagara Power Inc.
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UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to the supply of electrical service to a customer that is deemed to have a constant load over a billing period, normally with minimum electrical consumption and the consumption is unmetered. Energy consumption is based on connected wattage and calculated hours of use. Examples of unmetered scattered load are cable television amplifiers, billboards, area lighting. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per account)	\$	57.49
Rate Rider for Storm Damage Costs (2022) - effective until December 31, 2024 (per account)	\$	5.95
Distribution Volumetric Rate	\$/kWh	0.0312
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider for Disposition of Capacity Based Recovery Account (2024) - effective until December 31, 2024		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2024) - effective until December 31, 2024	\$/kWh	0.0025
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0087
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0068

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Canadian Niagara Power Inc.
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STANDBY POWER SERVICE CLASSIFICATION

The Standby subclass charge is applied to a customer with load displacement facilities behind its meter but is dependent on Canadian Niagara Power Inc. to supply a minimum amount of electricity in the event the customer's own facilities are out of service. The minimum amount of supply that Canadian Niagara Power Inc. must supply is a contracted amount agreed upon between the customer and Canadian Niagara Power Inc. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

MONTHLY RATES AND CHARGES - APPROVED ON AN INTERIM BASIS

Standby Charge - for a month where standby power is not provided. The charge is applied to the contracted amount (e.g. nameplate rating of generation facility)

\$/kW

1.4182

Canadian Niagara Power Inc.
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SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to all services required to supply sentinel lighting equipment. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per device)	\$	6.58
Rate Rider for Storm Damage Costs (2022) - effective until December 31, 2024 (per connection)	\$	0.34
Distribution Volumetric Rate	\$/kW	7.6065
Low Voltage Service Rate	\$/kW	0.1182
Rate Rider for Disposition of Capacity Based Recovery Account (2024) - effective until December 31, 2024 Applicable only for Class B Customers	\$/kW	(0.0391)
Rate Rider for Disposition of Deferral/Variance Accounts (2024) - effective until December 31, 2024	\$/kW	0.9627
Retail Transmission Rate - Network Service Rate	\$/kW	3.0187
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.2586

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to the supply of electrical service for roadway lighting. Energy consumption is based on connected wattage and calculated hours of use. Customers are usually a Municipality, Region or the Ministry of Transportation. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per device)	\$	4.40
Rate Rider for Storm Damage Costs (2022) - effective until December 31, 2024 (per device)	\$	0.21
Distribution Volumetric Rate	\$/kW	8.7861
Low Voltage Service Rate	\$/kW	0.1105
Rate Rider for Disposition of Capacity Based Recovery Account (2024) - effective until December 31, 2024		
Applicable only for Class B Customers	\$/kW	(0.0418)
Rate Rider for Disposition of Deferral/Variance Accounts (2024) - effective until December 31, 2024	\$/kW	0.7901
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2024) - effective until December 31, 2024	\$/kW	5.1904
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until December 31, 2024	\$/kW	6.2707
Retail Transmission Rate - Network Service Rate	\$/kW	2.6219
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1117

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0041
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0007
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Canadian Niagara Power Inc.
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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	4.55
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ALLOWANCES

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

SPECIFIC SERVICE CHARGES

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

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Customer Administration

Arrears certificate (credit reference)	\$	15.00
Statement of account	\$	15.00
Pulling post dated cheques	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement letter	\$	15.00
Income tax letter	\$	15.00
Notification charge	\$	15.00
Account history	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Returned cheque (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
Legal letter charge	\$	15.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	%	1.50
Reconnection at meter - during regular hours	\$	65.00
Reconnection at meter - after regular hours	\$	185.00
Reconnection at pole - during regular hours	\$	185.00
Reconnection at pole - after regular hours	\$	415.00

Other

Special meter reads	\$	30.00
Service call - customer owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Temporary service install & remove - overhead - no transformer	\$	500.00
Temporary service install & remove - underground - no transformer	\$	300.00
Temporary service install & remove - overhead - with transformer	\$	1,000.00
Specific charge for access to the power poles - per pole/year (with the exception of wireless attachments)	\$	37.78

RETAIL SERVICE CHARGES (if applicable)

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

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	117.02
Monthly fixed charge, per retailer	\$	46.81
Monthly variable charge, per customer, per retailer	\$/cust.	1.16
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.69
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.69)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.59
Processing fee, per request, applied to the requesting party	\$	1.16
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	4.68
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.34

LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0524
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0419

Attachment “F”

Z-Factor Notification and MED Report



CANADIAN NIAGARA POWER INC.

A FORTIS ONTARIO
Company

March 28, 2023

Ms. Nancy Marconi
Registrar
Ontario Energy Board
2300 Yonge Street, 27th floor
Toronto, ON M4P 1E4

Dear Ms. Marconi:

**Re: Canadian Niagara Power Inc. ("CNPI")
Z-Factor Claim- December 2022 Storm Damage**

On December 23rd and 24th, 2022, a severe snow, ice and wind storm affected the CNPI service territory. Wind gusts of up to 125 km/hr caused trees to fall onto and damage CNPI infrastructure, which resulted in outages. Blowing snow caused very poor visibility, and vehicles were unable to safely travel on the roadways. Significant outage restoration efforts were required from CNPI, with help from its contractors and other distributors through mutual assistance agreements.

In accordance with Electricity RRR related to Major Events, CNPI filed a Major Event report through the Board's RESS system on February 21, 2023 with respect to this event.

In accordance with Chapter 3 of the Filing Requirements for Electricity Distribution Rate Applications, CNPI hereby notifies the OEB of its intention to file a Z-Factor claim in relation to this event in its next IRM application. CNPI will provide evidence related to causation, materiality and prudence as part of that application.

Sincerely,

Oana Stefan
Manager Regulatory Affairs

Canadian Niagara Power Inc. (CNPI) – Major Event Report

(December 23-25, 2022)

Introduction

On December 23, 24, and 25, 2022, CNPI's service territory experienced a severe weather event causing 32,088 customer interruptions. This number of outages represents 106% of CNPI's customer base, indicating that some customers had multiple interruptions. On these days southern Ontario experienced high winds, with gusts up to 125 km/h, as well as heavy snow fall, leading to blowing snow and poor visibility. On December 24, Niagara Region and the Town of Fort Erie declared a State of Emergency. Due to poor road conditions, emergency first responders like police, fire, and EMS were physically unable to respond to calls. Hazards on the roadways included downed trees and powerlines, drifting snow, flooding and abandoned vehicles.

Restoration effort requirements were significant, with the vast majority of customers restored by December 27th.

Prior to the Major Event

Did the distributor have any prior warning that the Major Event would occur?

☒ Yes ☐ No

Additional Comments:

On Wednesday, December 21st, 2022, Environment Canada issued wind warnings for much of Southern Ontario, indicating that damaging winds were expected on Friday December 23rd and Saturday December 24th. CNPI's Regional Manager held numerous meetings with the Operations Department during the week of December 19th regarding the potential wind speeds prior to the storm. Appendix A depicts the Special Weather Statement from Environment Canada and the High Wind Watch from the National Weather Service.

If the distributor did have prior warning, did the distributor arrange to have extra employees on duty or on standby prior to the Major Event beginning?

☒ Yes ☐ No

Brief description of arrangements, or explain why extra employees were not arranged:

All arrangements for standby were made before the storm began. CNPI secured internal resources for the holiday weekend prior to December 23rd. CNPI sent employees home for rest time on December 22nd in order to optimize the available staff hours to respond to the impending storm.

If the distributor did have prior warning, did the distributor issue any media announcements to the public warning of possible outages resulting from the pending Major Event?

☒ Yes ☐ No

CNPI provided an announcement on December 21, 2022 at 12:52 p.m. that we are preparing for a potentially severe weather event and to continue to monitor through the website, Twitter and Facebook.

Did the distributor train its staff on the response plans for this type of a Major Event?

☒ Yes ☐ No

CNPI has a Business Continuity Plan that is periodically updated and reviewed at the management level. The plan is designed to assist in the response to natural disasters, accidents, major outages, environmental disasters, municipal emergencies and cyber-attacks. This plan is available to all staff both via CNPI's corporate intranet, and hard copy. For major outages, this plan covers responsibilities and procedures for all outage restoration and communication efforts, consolidates contact information for internal staff and key external agencies.

In addition to the Business Continuity Plan, CNPI also has an internal procedures document that outlines roles and responsibilities during a major event. This document is a living document that focuses on direct current assignments for roles and responsibilities during Major Outages that the management team can follow on a daily basis during a major outage.

During the Major Event

Please identify the main contributing Cause of the Major Event as per the table in section 2.1.4.2.5 of the Electricity Reporting and Record Keeping Requirements.

☐ Loss of Supply

☐ Lightning

- ☒ Adverse Weather-Wind
- ☐ Adverse Weather-Snow
- ☐ Adverse Weather-Freezing rain/Ice storm
- ☐ Adverse Environment-Fire
- ☐ Adverse Environment-Flooding
- ☒ Other

Please provide a brief description of the event (i.e. what happened?).

On December 23rd and 24th, a snow and wind storm hit the CNPI service territory. Wind gusts of up to 125 km/hr caused trees to fall onto and damage CNPI line infrastructure, which resulted in outages. Blowing snow caused very poor visibility, and vehicles were unable to safely travel on the roadways.

If selected "Other", please explain:

Outages were primarily related to Adverse Weather- extreme wind, however some outages were associated with Tree Contact and a very limited amount had an unknown root cause.

Was the IEEE Standard 1366 used to derive the threshold of the Major Event?

- ☒ Yes, used IEEE Standard 1366*
- ☐ No, used IEEE Standard 1366 2-day rolling average
- ☐ No, used fixed percentage (i.e., 10% of customers affected)

*The OEB preferred option

When did the Major Event begin (date and time)?

December 23, 2022 – The first outage started to happen at approximately 2:00 AM, with an increased volume of interruptions beginning around 08:00 AM EST.

Did the distributor issue any information about this Major Event, such as estimated times of restoration, to the public during the Major Event?

- ☒ Yes
- ☐ No

If yes, please provide a brief description of the information. If no, please explain:

CNPI posted 58 updates on both Twitter and Facebook social media channels (without ETR's). The postings provided progress of restoration efforts, special weather statements issued by Environment Canada and emergency related communication in cooperation with both the Town of Fort Erie and City of Port Colborne, over the course of the Major Event Days. There were also five website alerts posted on a daily basis to summarize current restoration status and various customer support recommendations from ESA and local warming centre information. 5,306 customer calls were taken during the Major Event Day period via CNPI's partner call centre.

How many customers were interrupted during the Major Event?

32,088 Customers

What percentage of the distributor's total customer base did the interrupted customers represent?

32,088 / 30,414 = 106 % (this indicates that many customers had multiple outages)

How many hours did it take to restore 90% of the customers who were interrupted?

104 Hours

Additional Comments: Due to the ongoing poor weather, new outages began throughout the period (including on December 23, 24, 25, etc). That is to say, these 90% of interruptions did not all begin with the first outage.

Were there any outages associated with Loss of Supply during the Major Event?

☐ Yes ☒ No

If yes, please report on the duration and frequency of the Loss of Supply outages:

N/A

In responding to the Major Event, did the distributor utilize assistance through a third party mutual assistance agreement with other utilities?

☒ Yes

☐ No

☐ Do not have third party mutual assistance agreements with other utilities

If yes, please provide the name of the utilities who provided assistance:

CNPI utilized assistance from the following companies through third party mutual assistance agreements:

- Welland Hydro
- Niagara Peninsula Energy
- NOTL Hydro
- Burlington Hydro
- Cornwall Electric *

CNPI also used a number of private utility-based contractors:

- Ground Aerial Maintenance Services
- Peters Excavating
- Pineridge Tree Service
- PowerNorth Utility Group
- Hyline Utility Solutions
- Spark Power Group
- Holland Power Services

Did the distributor run out of any needed equipment or materials during the Major Event?

☐ Yes ☒ No

If yes, please describe the shortages: _____

After the Major Event

What actions, if any, will be taken to be prepared for, or mitigate, such Major Events in the future?

- ☐ No further action is required at this time
- ☐ Additional staff training
- ☐ Process improvements
- ☐ System upgrades
- ☒ Other

Additional comments: Throughout the course of the event, and shortly after completing restorations, key CNPI personnel were in regular communication to discuss challenges CNPI and successes in managing all facets of the restoration efforts. This helps understand what worked and what requires improvement or a different approach.

APPENDIX A: December 23-24, 2022 Weather Alert Niagara Region

(via Environment Canada)

Alerts for: Niagara

Statements

11:31 PM EST Tuesday 20 December 2022

Special weather statement in effect for:

- Niagara Falls - Welland - Southern Niagara Region
- St. Catharines - Grimsby - Northern Niagara Region

Major winter storm expected late this week into the holiday weekend.

Precipitation may begin as rain or snow late Thursday before transitioning to rain in many areas Thursday night. Temperatures are expected to plummet on Friday leading to a potential flash freeze for locations that receive rainfall. Rapidly falling temperatures will be accompanied by strong to potentially damaging winds along with snow that may be heavy at times. Blizzard conditions are possible late Friday into the weekend for areas downwind of Lake Huron and Georgian Bay.

A multi-day lake effect snow event is expected into the weekend in the wake of the system for locations east of the Great Lakes.

While there is high confidence in a high impact winter storm, the details regarding wind speeds, precipitation types and amounts remain uncertain at this time. Please monitor your local forecast and the latest alerts for your area.

Consider altering plans through the holiday weekend as travel conditions may become dangerous. Extensive utility outages are possible. Temperatures Friday night into the weekend will likely be the coldest of the season to date.

Public Safety Canada encourages everyone to make an emergency plan and get an emergency kit with drinking water, food, medicine, a first-aid kit and a flashlight. For information on emergency plans and kits go to <http://www.getprepared.gc.ca>.

Please continue to monitor alerts and forecasts issued by Environment Canada. To report severe weather, send an email to ONstorm@ec.gc.ca or tweet reports using #ONStorm.

Alerts for: Niagara

Warnings

6:52 AM EST Thursday 22 December 2022

Blizzard warning in effect for:

- Niagara Falls - Welland - Southern Niagara Region

Crippling blizzard Friday into Saturday.

Travel will become dangerous and is not advised.

Hazards:

Blizzard conditions with wind gusts of 100 to 120 km/h.

Snowfall amounts of 15 to 30 cm by Sunday morning. Locally higher amounts are possible, especially toward Fort Erie.

Wind chill values near minus 20.

Flash freeze producing icy and slippery surfaces.

Timing:

Strong winds and blizzard conditions developing Friday morning and continuing into Saturday.

Very cold wind chills are expected to develop Friday and persist into the weekend.

Flash freeze possible Friday morning.

Discussion:

Precipitation will begin as rain this afternoon. Temperatures are expected to plummet on Friday morning leading to a potential flash freeze. Rapidly falling temperatures will be accompanied by strong to damaging winds along with snow heavy at times. Blizzard conditions will develop Friday, especially as lake effect snow off Lake Erie intensifies. Lake effect snow will result in variability of snowfall amounts through the weekend.

Visibility will be suddenly reduced to near zero at times in heavy snow and blowing snow. Protect yourself from wind, cold and disorientation by staying sheltered, indoors or with your vehicle. Anyone who is not dressed warmly is at risk of frostbite and hypothermia in cold weather. Ensure that shelter is provided for pets and outdoor animals. Public Safety Canada encourages everyone to make an emergency plan and get an emergency kit with drinking water, food, medicine, a first-aid kit and a flashlight. For information on emergency plans and kits go to <http://www.getprepared.gc.ca>.

Please continue to monitor alerts and forecasts issued by Environment Canada. To report severe weather, send an email to ONstorm@ec.gc.ca or tweet reports using #ONStorm.

Warnings

6:29 AM EST Friday 23 December 2022

Blizzard warning in effect for:

- Niagara Falls - Welland - Southern Niagara Region

Crippling blizzard conditions this morning into Saturday.

Travel will be extremely difficult to impossible at times and is not advised.

Hazards:

Blizzard conditions with wind gusts of 100 to 120 km/h. Extensive utility outages are possible.

Snowfall amounts of 25 to 50 cm by Sunday morning. The highest amounts are expected to be toward Fort Erie.

Wind chill values near minus 20.

Flash freeze producing icy and slippery surfaces.

Timing:

Damaging winds and blizzard conditions developing this morning and continuing through Saturday.

Very cold wind chill values are expected to develop this morning and persist into the weekend.

Flash freeze possible this morning.

Discussion:

Temperatures are expected to plummet this morning leading to a potential flash freeze. Rapidly falling temperatures will be accompanied by blizzard conditions and strong to damaging winds as lake effect snow develops off Lake Erie. Given the localized nature of lake effect snow, accumulations will vary depending on location.

Visibility will be suddenly reduced to near zero at times in heavy snow and blowing snow. Protect yourself from wind, cold and disorientation by staying sheltered, indoors or with your vehicle. Anyone who is not dressed warmly is at risk of frostbite and hypothermia in cold weather. Ensure that shelter is provided for pets and outdoor animals. Public Safety Canada encourages everyone to make an emergency plan and get an emergency kit with drinking water, food, medicine, a first-aid kit and a flashlight. For information on emergency plans and kits go to <http://www.getprepared.gc.ca>.

Please continue to monitor alerts and forecasts issued by Environment Canada. To report severe weather, send an email to ONstorm@ec.gc.ca or tweet reports

APPENDIX B: Website Advanced Posting

Alerts	Pending Weather Event Last update: December 22, 2022 - 7:16am We are currently preparing for a pending weather event that has the potential for the following conditions: Flash freezing Significant lake effect snow High winds These conditions can lead to outages due to ice build-up and/or downed trees. Never... More details
---------------	---

Pending Weather Event

We are currently preparing for a pending weather event that has the potential for the following conditions:

- Flash freezing
- Significant lake effect snow
- High winds

These conditions can lead to outages due to ice build-up and/or downed trees. Never approach downed wires as they may still be energized. Please continue to monitor when making travel plans. You can find the latest weather alerts [here](#).

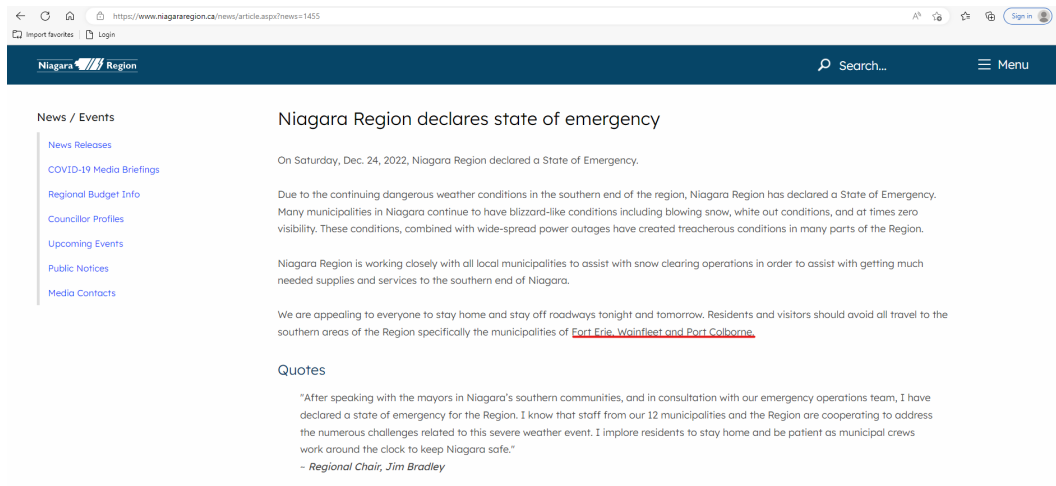
If you are experiencing a power outage emergency, **please call our 24 hour Emergency Service at 1.844.501.9473**

You can follow us on our [Twitter](#) and [Facebook](#) links or come back to this page for any storm related updates.

Stay Safe!

Customer Service

APPENDIX C: Sample Communications from Local Authorities



Attachment “G”

Z-Factor Costs

Table 5- Summary of Storm Costs

Category	Amount
Capital	\$866,568
Capital (Regular-Time Labour)	\$88,548
O&M (Regular-Time Labour)	\$82,906
O&M (Recorded in Acct 1572)	\$892,114
Total Storm Costs	\$1,930,136

Table 6- Summary of Z-Factor Claim

Category	Amount
OM&A Component Principal Balance	\$892,114
2023 Interest Forecast	\$44,000
Capital Expenditures Revenue Requirement	\$48,000
Total Z-Factor Claim	\$984,114

Prescribed Interest Rates		.ca/regulatory-	
Q1 2023	Q2 2023	Q3 2023	Q4 2023
4.73%	4.98%	4.98%	4.98%

Table 7 – Revenue Requirement Impact of Capital Expenditures

Description	Rate (%)	Amount
Incremental Capital		\$866,568
Depreciation Expense		-\$19,300
Incremental Capital to be included in Rate Base		\$847,268
Deemed Short Term Debt (4%)	1.17%	\$400
Deemed Long Term Debt (56%)	4.00%	\$19,000
Deemed Equity (40%)	8.66%	\$29,300
Amortization Expense		\$19,300
Grossed Up PILS		-\$20,000
Revenue Requirement		\$48,000
PILS Calculation		
Deemed Equity		\$29,300
Add Back Amortization Expense		\$19,300
Deduct Enhanced CCA Expense	12.00%	-\$104,000
Taxable Income		-\$55,400
PILS Before Gross Up	26.50%	-\$14,700
Incremental Grossed Up PILS		-\$20,000

OEB 1830 + 1835

Useful Life:

45

Table 9 – Z-Factor Allocation and Rate Rider Summary

Total Storm Costs Recorded in Acct 1572:	\$892,113.91
Total Interest:	\$44,000.00
Capital Expenditures Revenue Requirement:	\$48,000.00
Total Z-Factor Claim:	\$984,113.91

Rate Class	Unit	Allocated Revenue (2022 COS)	% Allocation	Total Z-Factor Claim	Customer Count (from 2022 RRR 2.1.2)	Z-Factor Rate Rider (per customer / connection per month)	Z-Factor Revenue Reconciliation
Residential	kWh	\$13,196,611	61%	\$597,245	27,703	\$1.80	\$598,385
General Service Less Than 50 kW	kWh	\$2,893,983	13%	\$130,974	2,530	\$4.31	\$130,852
General Service 50 to 4,999 KW	kW	\$5,064,256	23%	\$229,196	200	\$95.50	\$229,200
Embedded Distributor	kW	\$134,342	1%	\$6,080	1	\$506.67	\$6,080
Unmetered Scattered Load	kWh	\$66,309	0%	\$3,001	42	\$5.95	\$2,999
Standby Power	kW	\$0	0%	\$0	1	\$0.00	\$0
Sentinel Lighting	kW	\$56,688	0%	\$2,566	633	\$0.34	\$2,583
Street Lighting	kW	\$332,587	2%	\$15,052	6,017	\$0.21	\$15,163
TOTAL		\$21,744,776	100%	\$984,114	37,127		\$985,261

reconciling item: Standby not allocated

\$98,948

Adj total

\$21,843,724

2022 Base Revenue Requirement

\$

21,843,724

check

(\$0)

Difference due to Rounding:

\$1,147

%:

0.01%

Attachment “H”

LRAMVA Calculations



Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) Work Form

Version 8.0 (2024)

Generic LRAMVA Work Forms

Worksheet Name	Description
1. LRAMVA Summary	Tables 1-a and 1-b provide a summary of the LRAMVA balances and carrying charges associated with the LRAMVA disposition. Table 1c provides a summary of prospective LRAM-eligible amounts related to persisting CDM savings for all years until the LDC's next rebasing application. The balances are populated from entries into other tabs throughout this work form.
1-a. Summary of Changes	Tables A-1 and A-2 include a template for LDCs to summarize changes to the LRAMVA work form.
2. LRAMVA Threshold	Tables 2-a, 2-b and 2-c include the LRAMVA thresholds and allocations by rate class.
3. Distribution Rates	Tables 3-a and 3-b include the distribution rates that are used to calculate lost revenues.
4. 2011-2014 LRAM	Tables 4-a, 4-b, 4-c and 4-d include the template 2011-2014 LRAMVA work forms.
5. 2015-2027 LRAM	Tables 5-a, 5-b, 5-c, 5-d, 5-e, 5-f, 5-g, 5-h, 5-i, 5-j, 5-k, 5-l and 5-m include the template 2015-2027 LRAMVA work forms.
6. Carrying Charges	Table 6-b includes the variance on carrying charges related to the LRAMVA disposition.
7. Persistence Report	A blank spreadsheet is provided to allow LDCs to populate with CDM savings persistence data provided by the IESO.
8. Streetlighting	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).

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

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



LRAMVA Work Form: Instructions

Version 8.0 (2024)

REMINDER: Distributors do not need to use the LRAMVA workform if they have a zero balance in the LRAMVA and are only requesting a rate rider for LRAM-eligible amounts that were previously approved on a prospective basis.

Tab	Instructions		
Updates	Version 1.1 published June 23, 2023		
No.	Reference	Description of Version 1.0	Update in Version 1.1
1	Summary Tab, Row 94	Formulae only captured carrying charges up to 2022	Formulae corrected to include 2023 carrying charges in total amount
2	Tab 1, Cells H19 and H20	Formulas did not include 2023 values	Formulas corrected to included 2023 values
3	Tab 1, D91-R92	Formulas did not relate to 2023 totals in Tab 5	Formulas corrected to capture 2023 totals from Tab 5
4	Tab 1, Row 95	Formula calculating total LRAMVA balance did not capture 2023 amounts	Formulas corrected to included 2023 amounts in total LRAMVA balance
5	Tab 2, D9 and D24	Drop down menus only extended to 2020	Drop down menus updated to extend to 2023
6	Tab 5, Rows 1741, 1778, 1805, 1832	Formulas in distribution rate rows were connected to 2022 rates instead of 2023	Formulas corrected to use 2023 distributions rates
7	Tab 5, Rows 1742-1753	Formulas referenced incorrect persisting values from prior years (2011-2022) in 2023	Formulas corrected to retrieve persistence data from past program years in 2023
8	Tab 5, Rows 1759-1762	Formulas referenced incorrect 2023 persistence savings into 2024-2027	Formulas corrected to retrieve data from correct program year
9	Tab 6, I195-V206	Formulas did not include updates for 2023	Formulas corrected to include 2023
Updates	Version 1.2 published June 28, 2023		
No.	Reference	Description of Version 1.1	Update in Version 1.2
1	Tab 5, AF1742:AR1754	Formulas referenced incorrect persisting values from prior years (2011-2022) in 2023 for all non-residential rate classes	Formulas corrected to retrieve persistence data from past program years in 2023
2	Tab 5, AF1753:AR1753	Formula for capturing 2023 distribution rate did not relate to the correct cell	Formulas corrected to retrieve data from 2023 distribution rate in line 1741
LRAMVA Checklist/Schematic Tab 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:			
<ul style="list-style-type: none">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. Persistence information is available upon request from the IESO.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.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.			
Tab 1. LRAMVA Summary	Distributors are required to report any past approved LRAMVA amounts along with the current LRAMVA amount requested for approval. Distributors are also expected to provide prospective LRAM-eligible amounts related to persisting CDM savings for all years until their next rebasing application. There are separate tables indicating new lost revenues and carrying charges amounts by year and the totals for rate rider calculations.		
Tab 1-a. Summary of Changes	Distributors should list all significant changes and changes in assumptions in the generic work form affecting the LRAMVA.		
Tab 2. LRAMVA Threshold	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.		
Tab 3. Distribution Rates	Distributors should complete the tables with rate class specific distribution rates and adjustments as applicable.		
Tabs 4 and 5 (2011-to Next COS)	Distributors should complete the lost revenue calculation for 2011-2014 program years and 2015-2023 program years and persisting savings until distributors next cost of service application, as applicable, by undertaking the following: <ul style="list-style-type: none">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.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.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.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.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.		
Tab 6. Carrying Charges	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. Carrying charges are not to be calculated for prospective LRAM-eligible amounts that relate to the persisting savings from CDM programs until the LDCs next cost-of-service application.		
Tab 7. Persistence Report	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.		
Tab 8. Streetlighting	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

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. Additionally, LDCs are also able to calculate prospective LRAM-eligible amounts, consistent with guidance provided in the 2021 CDM Guidelines. 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

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. 2015-2027 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" and "5. 2015-2027 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" and "5. 2015-2027 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. 2015-2027 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. 2015-2027 LRAM"			
- Forecast Lost Revenues (kWh and kW) by Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2027 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. 2015-2027 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

Version 8.0 (2024)

Legend

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

LDC Name

Canadian Niagara Power 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-2021-001
Application of Previous LRAMVA Claim	2022 COS Application
Period of LRAMVA Claimed in Previous Application	2020
Amount of LRAMVA Claimed in Previous Application	\$54,369.00

B. Current LRAMVA Application

Current LRAMVA Application (EB#)	EB-2023-0009
Application of Current LRAMVA Claim	2024 IRM Application
Period of New LRAMVA in this Application	2021
Period of Rate Recovery (# years)	

C. Documentation of Changes

Original Amount	
Amount for Final Disposition	

Actual Lost Revenues (\$)	A	\$293,593
Forecast Lost Revenues (\$)	B	\$246,870
Carrying Charges (\$)	C	\$2,151
LRAMVA (\$ for Account 1568	A-B+C	\$48,874
Total LRAM-Eligible Amounts for Prospective Disposition	(Annual amounts to be recovered in future rate applications)	\$-

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	\$0	\$0	\$0
GS<50 kW	kWh	\$74,657	\$3,437	\$78,094
GS>50 kW	kW	-\$50,525	-\$2,326	-\$52,851
Street Light	kW	\$22,592	\$1,040	\$23,632
		\$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		\$46,723	\$2,151	\$48,874

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 90 of Table 1-b below. LDCs should also check accuracy of the years included in the LRAMVA balance in row 95.

Description	LRAMVA Previously Claimed	Residential	GS<50 kW	GS>50 kW	Street Light												Total
		kWh	kWh	kW	kW	0	0	0	0	0	0	0	0	0	0	0	
2011 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared																	
2019 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2019 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$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																	
2020 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2020 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$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																	
2021 Actuals		\$0.00	\$108,375.05	\$140,336.71	\$44,881.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$293,593.32
2021 Forecast		\$0.00	(\$33,718.40)	(\$190,861.77)	(\$22,289.99)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	(\$246,870.17)
Amount Cleared																	
2022 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2022 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$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																	
2023 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2023 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$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																	
Carrying Charges		\$0.00	\$3,437.01	(\$2,326.05)	\$1,040.06	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,151.02
Total LRAMVA Balance (2011-2023)		\$0.00	\$78,093.66	-\$62,851.12	\$23,631.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48,874.17

Table 1-c. LRAM-Eligible Amounts for Prospective Disposition

Table 1-c provides a summary of all prospective LRAM-eligible amounts. Consistent with guidance in the 2021 CDM Guidelines, distributors filing an application for 2024 rates should seek disposition of all outstanding LRAMVA balances related to previously established thresholds. Distributors not rebasing for 2024 rates who have complete information on eligible savings (i.e., needing only to account for persistence of savings in future years) may seek a rate adjustment on a prospective basis to address amounts that would otherwise be recorded in the LRAMVA for all years until their next rebasing application. Prospective treatment will not be necessary for cost-of-service applications.

All entries summarized below will be populated based on persisting savings from prior year CDM activities with no new savings from 2024-2027. Additionally, LRAM-eligible amounts for 2024 to 2027 are not added to the LRAMVA and do not accrue interest.

In their applications for 2024 rates, distributors should apply for approval of the 2024 to 2027 LRAM-eligible amounts shown in Table 1-C. Approval will mean that the LRAM-eligible amounts are accepted as final, subject only to the annual mechanistic adjustment to be completed in subsequent rate years.

Description	LRAMVA Previously Claimed	Residential	GS<50 kW	GS>50 kW	Street Light												Total
2024 Actuals (in 2023 \$)		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2024 Forecast (in 2023 \$)		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2024 TOTAL LRAM-Eligible*		\$0.00	\$0.00	\$0.00	\$0.00	\$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																	
2025 Actuals (in 2023 \$)		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2025 Forecast (in 2023 \$)		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2025 TOTAL LRAM-Eligible*		\$0.00	\$0.00	\$0.00	\$0.00	\$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																	
2026 Actuals (in 2023 \$)		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2026 Forecast (in 2023 \$)		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2026 TOTAL LRAM-Eligible*		\$0.00	\$0.00	\$0.00	\$0.00	\$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																	
2027 Actuals (in 2023 \$)		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2027 Forecast (in 2023 \$)		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2027 TOTAL LRAM-Eligible*		\$0.00	\$0.00	\$0.00	\$0.00	\$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																	
Total LRAM-Eligible Amount (in 2023 \$)		\$0	\$0	\$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

Note: All 2024-2027 LRAM-Eligible Amounts are in 2023 dollars. LDCs are to follow the instructions noted above Table 5-j in Tab 5 when seeking recovery of prospective amounts in future rate applications.



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				
2				
3				
4				
5				
6				
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 8.0 (2024)

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

Table 2-a. LRAMVA Threshold2017

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. 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 kW	Street Light										
		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	11,752,000	1,648,000.00	1,312,000.00	7,981,000.00	811,000.00										
kW	28.112			25,607.00	2,505.00										
Summary		1,648,000.00	1,312,000.00	25,607.00	2,505.00	0	0	0	0	0	0	0	0	0	0

Years Included in Threshold	2017-2021
Source of Threshold	2017 Settlement Agreement, p33

Table 2-b. LRAMVA Threshold

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 2-1. 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 kW	Street Light										
		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	
Source of Threshold	20XX Settlement Agreement, p. X

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 kW	Street Light										
		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		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		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	2017	1,648,000	1,312,000	25,607	2,505	0	0	0	0	0	0	0	0	0	0
2022		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2026		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027		0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

LRAMVA Work Form:
Distribution Rates

Version 8.0 (2024)

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-XXXX	EB-2013-XXXX	EB-2014-XXXX	EB-2015-XXXX	EB-2016-XXXX	EB-2017-XXXX	EB-2018-XXXX	EB-2019-XXXX	EB-2020-XXXX	EB-2021-XXXX
Rate Year		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Period 1 (# months)		0	0	0	0	0	0	0	0	0	0	0	0	0
Period 2 (# months)		12	12	12	12	12	12	12	12	12	12	12	12	12
Residential														
Rate rider for tax sharing														
Rate rider for foregone revenue														
Other														
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
GS<50 kW														
Rate rider for tax sharing														
Rate rider for foregone revenue														
Other														
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0257	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0257	\$ -
GS>50 kW														
Rate rider for tax sharing														
Rate rider for foregone revenue														
Other														
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7.4535	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7.4535	\$ -
Street Light														
Rate rider for tax sharing														
Rate rider for foregone revenue														
Other														
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8.8982	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8.8982	\$ -
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		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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 Tab

Year	Residential	GS<50 kW	GS>50 kW	Street Light
	kWh	kWh	kW	0
2011	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2012	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2013	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2014	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2015	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2016	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2017	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2018	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2019	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2020	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2021	\$0.0000	\$0.0257	\$7.4535	\$8.8982
2022	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2023	\$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

Many CFF "Save on Energy" programs, such as the Coupon Program, the Heating and Cooling Program, the Energy Home Assistance Program, were designed solely for residential customers. As such, 100% of CNPI's verified energy and demand savings associated with these programs are allocated to
Similarly, other "Save on Energy" programs, such as Small Business Lighting and Business Refrigeration, were designed specifically for small businesses. CNPI's verified energy and demand savings associated with these programs are allocated 98% to the GS<50 rate class, and 2% to the GS>50 rate
Only large businesses (GS>50) participated in the Audit Funding program, so 100% of the savings from that program were allocated to GS>50.

GS<50, GS>50 Retrofit Split (2016-2019 Total)

	kWh	%
Energy Savings from GS < 50kW:	3,586,434	25.71%
Energy Savings from GS > 50kW:	10,361,863	74.29%
Total:	13,948,298	100%

LRAMVA Work Form:
2011 - 2014 Lost Revenues Work Form

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

Instructions	1. The following LRAMVA work forms apply to LDCs that need to recover lost revenues arising from CDM activity from the 2011-2014 period. Please input or manually link the savings, adjustments and program savings persistence data.
	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
	3. The work forms below include the monthly multipliers for most programs in order to claim demand savings from energy efficiency programs, consistent with the monthly multipliers indicated in
	4. LDC are requested to input the applicable rate class allocation percentages to allocate actual savings to the rate classes. The generic template
	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

Tables	Table 4-a. 2011 Lost Revenues
	Table 4-b. 2012 Lost Revenues
	Table 4-c. 2013 Lost Revenues
	Table 4-d. 2014 Lost Revenues

Table 4-a. 2011 Lost Revenues Work Form

Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Rate Allocations for LRAMVA															
		2011	2011	Residential	GS<50 kW	GS>50 kW	Street Light											Total	
Consumer Program				kWh	kWh	kW	kW	0	0	0	0	0	0	0	0	0	0	0	
Actual CDM Savings in 2011		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Forecast CDM Savings in 2011				0	0	0	0	0	0	0	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	\$0.00000	\$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
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
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	
2011 Savings Persisting in 2013				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	
2011 Savings Persisting in 2015				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	
2011 Savings Persisting in 2017				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	
2011 Savings Persisting in 2019				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	
2011 Savings Persisting in 2021				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2022				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2023				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2024				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2025				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2026				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2027				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

Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Rate Allocations for LRAMVA															
		2012	2012	Residential	GS<50 kW	GS>50 kW	Street Light											Total	
Consumer Program				kWh	kWh	kW	kW	0	0	0	0	0	0	0	0	0	0	0	
Actual CDM Savings in 2012		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Forecast CDM Savings in 2012				0	0	0	0	0	0	0	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	\$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	\$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	\$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	\$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	\$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	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2014				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2015				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2016				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2017				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2018				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2019				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2020				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2021				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2022				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2023				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2024				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2025				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2026				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2027				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-c. 2013 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Rate Allocations for LRAMVA															
		2013	2013	Residential	GS<50 kW	GS>50 kW	Street Light											Total	
Consumer Program				kWh	kWh	kW	kW	0	0	0	0	0	0	0	0	0	0	0	
Actual CDM Savings in 2013		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
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	\$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	\$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	\$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	\$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	\$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	\$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	0	0	0	0	0	0		
2013 Savings Persisting in 2015				0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2016				0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2017				0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2018				0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2019				0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2020				0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2021				0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2022				0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2023				0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2024				0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2025				0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2026				0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2013 Savings Persisting in 2027				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-d. 2014 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Rate Allocations for LRAMVA														
		2014	2014	Residential	GS<50 kW	GS>50 kW	Street Light											Total
Consumer Program				kWh	kWh	kW	kW	0	0	0	0	0	0	0	0	0	0	
Actual CDM Savings in 2014		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Forecast CDM Savings in 2014				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Distribution Rate in 2014				\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	
Lost Revenue in 2014 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
Lost Revenue in 2014 from 2012 programs				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue in 2014 from 2013 programs				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue in 2014 from 2014 programs				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Total Lost Revenues in 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
Forecast Lost Revenues in 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
LRAMVA in 2014															\$0.00
2014 Savings Persisting in 2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2014 Savings Persisting in 2016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2014 Savings Persisting in 2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2014 Savings Persisting in 2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2014 Savings Persisting in 2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2014 Savings Persisting in 2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2014 Savings Persisting in 2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2014 Savings Persisting in 2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2014 Savings Persisting in 2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2014 Savings Persisting in 2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2014 Savings Persisting in 2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2014 Savings Persisting in 2026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2014 Savings Persisting in 2027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Note: LDC to make note of key assumptions included above

**LRAMVA Work Form:
2015 - 2027 Lost Revenues Work Form**

Version 8.0 (2024)

Legend	User Inputs (Green)	From 2017 Final Verified ESO Results	From 2019-04 P&C Report
Auto Populated Cells (White)	From Tab 9 (16/17)	Retrofit excluding Street Light	From 2019 Retrofit Program List (Tab 10)
Instructions (Grey)	From Tab 9 (16/17)	Street Lighting Only	

Instructions

1. The 2021 CDM Guidelines required distributors filing an application for 2023 rates to seek disposition of all outstanding LRAMVA balances related to previously established LRAMVA thresholds if possible. Most distributors have completed this step and now have a zero balance in the LRAMVA. Some of these distributors also had LRAM-eligible amounts approved for future years (with the approved amounts to be adjusted mechanically by the approved inflation minus X factor applicable to IRM applications in effect for a given year, and recovered through a rate rider in the corresponding rate year).

Distributors with zero balance in the LRAMVA (including those with previously approved LRAM-eligible amounts):

A distributor with a zero balance in the LRAMVA should indicate this fact in its application, and advise that it is not requesting any disposition. If a distributor with zero balance in the LRAMVA is requesting rate rider(s) for 2024 rates to recover an LRAM-eligible amount approved in a previous proceeding, the distributor should reference the previous OEB decision where the base LRAM-eligible amount for 2024 (i.e., the amount prior to the mechanistic adjustment) was approved, and provide the calculations used to generate the requested LRAM-eligible rate riders (i.e., the mechanistic adjustment and the allocation to rate classes). Distributors are to input the resulting rate rider(s) in Tab 19 – Additional Rates of the IRM Rate Generator Model. Distributors in this circumstance do not need to file the LRAMVA workform or any additional documentation.

Distributors with non-zero balance in the LRAMVA:

A distributors that does not have a confirmed zero balance in the LRAMVA should seek disposition as part of their 2024 IRM applications, with supporting information, or provide a rationale for not doing so. In addition, such distributors are also eligible for LRAM for persisting impacts of CFF programs and Local Program Fund programs until their next rebasing. Such distributors not rebasing for 2024 rates who have complete information on eligible savings (i.e., needing only to account for persistence of savings in future years) should calculate and request approval of LRAM-eligible amounts to address amounts that would otherwise be recorded in the LRAMVA for all years until their next rebasing application, and request any rate ride(s) for 2024 rates for the 2024 LRAM-eligible amount.

More detailed instructions related to prospective LRAM-eligible amounts are included above Table 5-j (2024 Lost Revenue Work Form).

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 cannot 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. note #5. As noted above, the work form has been expanded to allow for persistence of savings and lost revenues into the future, up to the time of an LDC's next cost of service application. LDCs should include all persisting lost revenues in order to be able to close its LRAMVA balances entirely.

Tables

Table 5-a. 2015 Lost Revenues	Table 5-g. 2021 Lost Revenues	Table 5-m. 2027 Lost Revenues
Table 5-b. 2016 Lost Revenues	Table 5-h. 2022 Lost Revenues	
Table 5-c. 2017 Lost Revenues	Table 5-i. 2023 Lost Revenues	
Table 5-d. 2018 Lost Revenues	Table 5-j. 2024 Lost Revenues	
Table 5-e. 2019 Lost Revenues	Table 5-k. 2025 Lost Revenues	
Table 5-f. 2020 Lost Revenues	Table 5-l. 2026 Lost Revenues	

Table 5-a. 2015 Lost Revenues Work Form

[illegible]

Note: LDC to make note of key assumptions included above

Table 5-c. 2017 Lost Revenues Work Form

Note: LDC to make note of key assumptions included above

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[illegible]

[illegible]

[illegible]

<p>Note: LDC to make note of key assumptions included above</p>	
<p>Prospective Disposition of Persisting CDM Savings</p>	

[illegible][illegible][illegible]



LRAMVA Work Form: Carrying Charges by Rate Class

Version 8.0 (2024)

Legend

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

Instructions

- 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.
- 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.
- 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	0.57%
2021 Q4	0.57%
2022 Q1	0.57%
2022 Q2	1.02%
2022 Q3	2.20%
2022 Q4	3.87%
2023 Q1	4.73%
2023 Q2	4.98%
2023 Q3	4.98%
2023 Q4	4.98%

Check OEB website

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 KW	Street Light	Total
Jan-11	2011	Q1	0.12%	\$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
Mar-11	2011	Q1	0.12%	\$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
May-11	2011	Q2	0.12%	\$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
Jul-11	2011	Q3	0.12%	\$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
Sep-11	2011	Q3	0.12%	\$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
Nov-11	2011	Q4	0.12%	\$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
Total for 2011				\$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
Jan-12	2011-2012	Q1	0.12%	\$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
Mar-12	2011-2012	Q1	0.12%	\$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
May-12	2011-2012	Q2	0.12%	\$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
Jul-12	2011-2012	Q3	0.12%	\$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
Sep-12	2011-2012	Q3	0.12%	\$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
Nov-12	2011-2012	Q4	0.12%	\$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
Total for 2012				\$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
Jan-13	2011-2013	Q1	0.12%	\$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
Mar-13	2011-2013	Q1	0.12%	\$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
May-13	2011-2013	Q2	0.12%	\$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
Jul-13	2011-2013	Q3	0.12%	\$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
Sep-13	2011-2013	Q3	0.12%	\$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
Nov-13	2011-2013	Q4	0.12%	\$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
Total for 2013				\$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
Jan-14	2011-2014	Q1	0.12%	\$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
Mar-14	2011-2014	Q1	0.12%	\$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
May-14	2011-2014	Q2	0.12%	\$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
Jul-14	2011-2014	Q3	0.12%	\$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
Sep-14	2011-2014	Q3	0.12%	\$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
Nov-14	2011-2014	Q4	0.12%	\$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
Total for 2014				\$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
Jan-15	2011-2015	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-15	2011-2015	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Mar-15	2011-2015	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

[illegible]

Version 5.4 (2014)

Instruction:
(Steel)

5. Columns B and C of this table have been obscured in order to enable the formation of the awareness report provided by the EDCG. Please note and paste the process information in Initiative in Column B and the corresponding demand and energy savings data by Initiative in Columns 3 to 8T of this work form. Please indicate the source of the report on the disclosure table in Annex 1.

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 ISO.

Table 7. 2011-2021 Verified Program Results and Persistence into Future Years

[illegible]



Ontario Energy Board

LRAMVA Work Form: Documentation for Streetlighting Projects

Version 8.0 (2024)

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.

Table 8-a: Street Lighting Net Verified Energy Savings to Exclude from Retrofit Savings

All Values are from IESO Final Verified Results for 2016/2017

Application	Program Year	Savings/Persistence Year				
		2016	2017	2018	2019	2020
157752	2016 Verified	77,265	75,894	75,894	75,894	75,894
157752	2017 Verified		223,690	223,690	223,690	223,690
154843	2017 Adj to 2016 Ver	1,611,631	1,611,631	1,611,631	1,611,631	1,611,631
Total		1,688,896	1,911,215	1,921,215	1,921,215	1,921,215

Table 8-b: Net-to-Gross Assumption

2017 Retrofit Gross kWh Savings:	3,626,338	IESO 2017 Final Verified Results
2017 Retrofit Net kWh Savings:	3,173,467	IESO 2017 Final Verified Results (Includes Realization and Net-to-Gross Adjustments)
2017 Retrofit Net-to-Gross Ratio:	0.93	Calculated - use this ratio to estimate May-Dec 2019 Net-to-Gross adjustment

Table 8-c: Fort Erie

Summary of Project (App #154843)

Month	Actual lost revenue based on kW billing			
	Billed amount (kW)	Gross kW reduction	Net to Gross Ratio	Net kW reduction
	a	b	c	b * c
Jan-16	518.20			
Feb-16	518.20	-15.85	89.89%	-14.22994153
Mar-16	865.67	-173.36	89.89%	-155.8172872
Apr-16	212.86	-202.17	89.89%	-270.7284591
May-16	288.51	-146.14	89.89%	-130.9862673
Jun-16	115.13	-170.70	89.89%	-131.212304
Jul-16	163.33	-170.70	89.89%	-131.2305334
Aug-16	163.33	-170.70	89.89%	-131.2305334
Sep-16	163.33	-170.70	89.89%	-131.2305334
Oct-16	163.33	-170.70	89.89%	-131.2305334
Nov-16	163.33	-170.70	89.89%	-131.2305334
Dec-16	163.33	-170.70	89.89%	-131.2305334
Total				-1083.9987
Persistence in 2017				-3998.766403
Persistence in 2018				-3998.766403
Persistence in 2019				-3998.766403
Persistence in 2020				-3998.766403
Persistence in 2021				-3998.766403

Details of Project (Jan-Jun 2016)

Fixture type	Billing Wattage (kW)	Quantity	Billed amount (kW)	
			d	e
SL HPS 70/95	0.095	91	8.645	
SL HPS 100/130	0.13	1727	224.51	
SL HPS 150/190	0.19	113	21.85	
SL HPS 250/305	0.305	458	139.08	
SL MV 70/84	0.084	1	0.084	
SL MV 100/125	0.125	4	0.5	
SL MV 125/155	0.155	26	4.03	
SL MV 175/210	0.21	393	82.32	
SL MV 250/295	0.29	8	2.61	
SL MV 400/450	0.45	112	50.4	
SL HPS 175/225	0.225	1	0.225	
SL MV 150/180	0.18	1	0.18	
Total			518.20	

Post-conversion billing demand

Fixture type	Billing Wattage (kW)	Quantity	Billed amount (kW)	
			d ₁	e ₁
SL HPS 70/95	0.095	15	1.425	
SL HPS 100/130	0.13	28	3.64	
SL LED 25/25	0.025	338	8.45	
SL LED 43/43	0.043	1629	66.789	
SL LED 70/70	0.07	271	18.87	
SL LED 91/91	0.091	473	38.893	
SL LED 130/135	0.135	180	24.3	
SL LED 450/450	0.45	61	2.745	
SL LED 450/450	0.060	20	0.6	
Total			163.51	

Table 8-d: Gananoque

Summary of Projects (App 157752, 157753)

Month	Actual lost revenue based on kW billing			
	Billed amount (kW)	Gross kW reduction	Net to Gross Ratio	Net kW reduction
	a	b	c	b * c
Jan-16	133.42	0.00		0
Feb-16	133.42	0.00		0
Mar-16	133.42	0.00		0
Apr-16	133.42	0.00		0
May-16	133.42	0.00		0
Jun-16	133.42	0.00		0
Jul-16	133.42	0.00		0
Aug-16	133.42	0.00		0
Sep-16	133.42	0.00		0
Oct-16	133.42	0.00		0
Nov-16	133.42	0.00		0
Dec-16	133.42	0.00		0
Total				-348.369533
Persistence in 2017				-1045.125206
Persistence in 2018				-1045.125206
Persistence in 2019				-1045.125206
Persistence in 2020				-1045.125206
Persistence in 2021				-1045.125206

Details of Projects (August, 2016)

Fixture type	Billing Wattage (kW)	Quantity	Billed amount (kW)	
			d	e
SL Incandescent 2500/295	0.35	4	1.4	
SL Incandescent 4000/450	0.45	2	0.9	
SL Incandescent 150/190	0.15	11	1.65	
SL HPS 100/130	0.13	197	25.61	
SL HPS 150/190	0.19	119	22.61	
SL HPS 250/305	0.305	58	16.47	
SL MV 175/210	0.21	37	7.77	
SL MV 250/295	0.29	164	47.56	
SL MV 400/450	0.45	21	9.45	
Total			133.42	

Post-conversion billing demand

Fixture type	Billing Wattage (kW)	Quantity	Billed amount (kW)	
			d ₁	e ₁
SL LED 30/30	0.03	31	0.93	
SL LED 43/43	0.043	193	8.213	
SL LED 53/53	0.053	58	3.074	
SL LED 60/60	0.06	94	5.64	
SL LED 60/60	0.061	20	1.3	
SL LED 70/70	0.07	79	5.53	
SL LED 73/73	0.073	20	1.46	
SL LED 79/79	0.079	8	0.632	
SL LED 80/80	0.08	39	3.12	
SL LED 100/100	0.101	23	2.323	
SL LED 120/121	0.122	1	0.122	
SL LED 150/148	0.158	27	4.236	
Total			30.02	

Net Verified Annual Energy Savings (kWh)

2016 2017 2018 2019 2020 2021

Total Retrofit Results from 2017 IESO Final Verified Annual Report

2016 Verified 2016 Rt Save on Energy Retrofit Program	2,551,962	2,492,476	2,492,476	2,492,476	2,492,476	2,492,476
2017 Verified 2016 Rt Save on Energy Retrofit Program	1,832,538	1,892,023	1,908,451	1,908,451	1,908,451	1,908,451
2017 Verified 2017 Rt Save on Energy Retrofit Program	-	3,373,467	3,399,033	3,399,033	3,399,033	3,399,033

Remove: Street Lighting Applications included in 2016-2017 Verified Reports (Retrofit Program)

2016 Verified Application 157752	77,265	75,894	75,894	75,894	75,894	75,894
2017 Adj to 2016 Ver. Application 154843	1,611,631	1,611,631	1,611,631	1,611,631	1,611,631	1,611,631
2017 Verified Application 157753	0	233,690	233,690	233,690	233,690	233,690

Result (1): Retrofit (excl. Street Light) Results Reported in Tab 5

2016 Verified 2016 Rt Save on Energy Retrofit Program	2,474,697	2,416,582	2,416,582	2,416,582	2,416,582	2,416,582
2017 Verified 2016 Rt Save on Energy Retrofit Program	220,907	280,392	296,820	296,820	296,820	296,820
2017 Verified 2017 Rt Save on Energy Retrofit Program	0	3,139,777	3,165,343	3,165,343	3,165,343	3,165,343

Result (2): Retrofit- Street Light only Results Reported in Tab 5

2016 Verified 2016 Rt Retrofit-Street Lights Only	77,265	75,894	75,894	75,894	75,894	75,894
2017 Verified 2016 Rt Retrofit-Street Lights Only	1,611,631	1,611,631	1,611,631	1,611,631	1,611,631	1,611,631
2017 Verified 2017 Rt Retrofit-Street Lights Only	0	233,690	233,690	233,690	233,690	233,690

Net Verified Annual Peak Demand Savings (kW)

2016 2017 2018 2019 2020 2021

Description/notes

353	343	343	343	343	343
38	49	50	50	50	50
-	682	687	687	687	687

Retrofit Program Results (including Street Lighting) from 2017 IESO Final Verified Annual Report

-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

Reduce by Net Energy Savings associated with three Street Lighting Applications. These Applications were included in the Energy results in the IESO's 2017 Final Verified Report. **No adjustment made for demand savings as IESO reported results for SL Applications indicated 0 demand reduction.**

353	343	343	343	343	343
38	49	50	50	50	50
0	682	687	687	687	687

Note: kW savings are shown as monthly demand savings for non-Street Light Retrofit programs (monthly multiplier is x12)

348	1,045	1,045	1,045	1,045	1,045
3,084	3,999	3,999	3,999	3,999	3,999

Monthly Multiplier for Street Light Retrofit programs entered as x1, so all kW results shown as full annual amount
Application 157752 and 157752 DEMAND only combined in the 2016 verified line

Table 10-a: Retrofit Projects Completed April to December 2019

Completed		Application #	Gross Savings	
Year	Month		kWh	kW
2019	Apr	204713	4,658.32	1.01
2019	May	202804	288,395.25	71.11
2019	May	202982	71,954.40	0.07
2019	May	201230	3,581.32	0.78
2019	Jun	201111	12,317.87	3.14
2019	Jun	206300	12,260.00	0.00
2019	Jun	207565	10,728.83	1.35
2019	Jul	201750	8,526.00	0.00
2019	Aug	202922	4,586.65	1.00
2019	Aug	203975	89,129.00	12.70
2019	Aug	204239	23,354.84	5.80
2019	Aug	204239	69,804.00	0.00
2019	Aug	205225	214,620.00	24.50
2019	Oct	188811	46,706.07	10.18
2019	Oct	207578	37,473.00	10.46
2019	Nov	189841	6,860.84	1.76
2019	Nov	207579	13,742.00	0.50
2019	Dec	188247	241,278.44	33.77
2019	Dec	188247	77,361.39	10.49
2019	Dec	188247	25,186.60	4.29
2019	Dec	188247	35,647.94	5.64
2019	Dec	188247	23,141.36	5.04
2019	Dec	188915	12,654.60	0.00
2019	Dec	206484	61,884.40	16.60
2019	Dec	206487	38,577.00	7.00
TOTAL May - Dec 2019:			1,429,432.12	226.61
Net-to-Gross Adj (Using 2017 Ratio):			0.93	
May - Dec 2019 Net Savings:			1,329,755.27	210.81

Table 10-b: Net-to-Gross Assumption

2017 Retrofit Gross kWh Savings:	3,626,338	IESO 2017 Final Verified Results
2017 Retrofit Net kWh Savings:	3,373,467	IESO 2017 Final Verified Results (Includes Realization and Net-to-Gross Adjustments)
2017 Retrofit Net-to-Gross Ratio:	0.93	Calculated - use this ratio to estimate May-Dec 2019 Net-to-Gross adjustment

LRAMVA Allocation By Class and Calculation of Proposed Rate Riders

Customer Class	Value of Threshold	Value of Lost Revenues	Proposed LRAMVA Disposition(Principal)	Carrying Charges to December 31, 2023	Total Claim
Residential	\$0	\$0	\$0	\$ -	\$0
General Service < 50 kW	-\$33,718	\$108,375	\$74,657	\$ -	\$74,657
General Service > 50 kW	-\$190,862	\$140,337	-\$50,525	\$ -	-\$50,525
Street Lights	-\$22,290	\$44,882	\$22,592	\$ -	\$22,592
Total	-\$246,870	\$293,593	\$46,723	\$ -	\$46,723

Customer Class	Total Claim	Billing Unit	Billing Units as of Dec. 31, 202	Proposed Rate Rider
Residential	\$0	N/A	N/A	N/A
General Service < 50 kW	\$74,657	kWh	67,968,060	\$0.0011
General Service > 50 kW	-\$50,525	kW	570,327	-\$0.0886
Street Lights	\$22,592	kWh	4,352	\$5.1906
Total	\$46,723			

Check expected recovery	
\$	108.21
-\$	5.90
\$	0.11
\$	102.42

Rounding Impact

Attachment “I”

LRAMVA Supporting Documentation

Canadian Niagara Power Inc.	
As of:	15-Apr-19
Residential (Province-Wide)	Program
	Save on Energy Coupon Program
	Save on Energy Heating and Cooling Program
	Save on Energy Home Assistance Program
	Save on Energy Instant Discount Program
	Save on Energy New Construction Program
	Save on Energy Smart Thermostat Program
	Save on Energy Whole Home Program
	Residential Programs Total
Non-Residential (Province-Wide)	Save on Energy Audit Funding Program
	Save on Energy Retrofit Program
	Save on Energy Retrofit Program - P4P
	Save on Energy Retrofit Program Enabled Savings
	Save on Energy Small Business Lighting Program
	Save on Energy Business Refrigeration Program
	Save on Energy Energy Performance Program
	Save on Energy Existing Building Commissioning Program
	Save on Energy High Performance New Construction Program
	Save on Energy High Performance New Construction Program Enabled Savings
	Save on Energy Process & Systems Upgrades Program
	Save on Energy Process & Systems Upgrades Program - P4P
	Save on Energy Process & Systems Upgrades Program Enabled Savings
	Save on Energy Energy Manager Program
	Save on Energy Monitoring & Targeting Program
	Non-Residential Programs Total
Local LDC Programs	Adaptive Thermostat Program
	Conservation on the Coast Home Assistance Program
	Conservation on the Coast Small Business Program
	First Nation Conservation Local Program
	High Efficiency Agricultural Pumping
	Instant Savings Program
	HLBB DLI Local Program
	Opasaver Program
	PUMPSever
	RTUsever
	Smart RTU for Small and Mid-Size Business Local Program
	Social Benchmarking Local Program
	Swimming Pool Efficiency Program
	Local LDC Programs Total
LDC Innovation Pilots	Air Source Heat Pump – For Residential Space Heating LDC Innovation Fund Pilot Program
	Air Source Heat Pump – For Residential Water Heating LDC Innovation Fund Pilot Program
	Block Heater Timer LDC Innovation Fund Pilot Program
	Building Optimization Pilot Program
	Conservation Cultivator LDC Innovation Fund Pilot Program
	Conservation Voltage Reduction Conservation Fund Program
	Data Centre Pilot
	Direct Install – Hydraulic Pilot Program
	Direct Install – RTU Controls Pilot Program
	Electronics Takeback Pilot
	EnWin Intelligent Air Pilot
	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program
	Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program
	Hotel/Hotel LDC Innovation Fund Pilot Program
	Low Income Air Source Heat Pump Pilot
	Ontario Clean Water Agency P4P Conservation Fund Pilot Program
	P4P for Class B Office Pilot Program
	Performance Based Conservation Pilot Program
	Residential Direct Install Pilot Program
	Residential Ductless Heat Pump LDC Innovation Fund Pilot Program
	Small & Medium Business Energy Management System LDC Innovation Fund Pilot Program
	Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation Fund Pilot Program
	Solar Powered Attic Ventilation Pilot
	Unleash Event
	LDC Innovation Pilots Total
Target Gap	
Non-Approved Program	
Unassigned Program	
Energy Savings from 2011-2014 Framework	
2011-2014 Residential (Province-Wide)	Coupon Initiative
	Bi-Annual Retailer Event Initiative
	Appliance Retirement Initiative
	ENOC Incentive Initiative
	Residential New Construction and Major Renovation Initiative
	Aboriginal Conservation Program
	Low Income Initiative
	Residential Programs Total
2011-2014 Non-Residential (Province-Wide)	Energy Audit Initiative
	Efficiency: Equipment Replacement Incentive Initiative
	Direct Install Lighting and Water Heating Initiative
	New Construction and Major Renovation Initiative
	Existing Building Commissioning Incentive Initiative
	Process and Systems Upgrades Initiatives – Project Incentive Initiative
	Process and Systems Upgrades Initiatives – Monitoring and Targeting Initiative
	Process and Systems Upgrades Initiatives – Energy Manager Initiative
	Non-Residential Programs Total
2011-2014 Other	Loblaws Pilot
	Social Benchmarking Pilot
	Conservation Fund Pilot – SEC
	Conservation Fund Pilot – EnerNOC
	Program Enabled Savings
	Other Programs Total
TOTAL Conservation First (CDM Plan Forecast)	
TOTAL Conservation First (Target and Budget Allocation)	

Savings Persistence Report
For: Canadian Niagara Power Inc.

#	Program / Initiative Name
---	---------------------------

2015 Verified 2015 Results	
1	Save on Energy Coupon Program
3	Save on Energy Heating & Cooling Program
7	Save on Energy Retrofit Program
67	Appliance Retirement Initiative
68	Coupon Initiative
69	Bi-Annual Retailer Event Initiative
70	HVAC Incentives Initiative
72	Energy Audit Initiative
73	Efficiency: Equipment Replacement Incentive Initiative
74	Direct Install Lighting and Water Heating Initiative
76	Existing Building Commissioning Incentive Initiative
80	Low Income Initiative
Subtotal: 2015 Verified 2015 Results	

2016 Verified 2015 Results Adjustments	
83	Save on Energy Coupon Program
85	Save on Energy Heating & Cooling Program
89	Save on Energy Retrofit Program
150	Coupon Initiative
152	HVAC Incentives Initiative
154	Energy Audit Initiative
155	Efficiency: Equipment Replacement Incentive Initiative
159	Process and Systems Upgrades Initiatives - Project Incentive Initiative
Subtotal: 2016 Verified 2015 Results Adjustments	

2017 Verified 2015 Results Adjustments	
171	Save on Energy Retrofit Program
237	Efficiency: Equipment Replacement Incentive Initiative
238	Direct Install Lighting and Water Heating Initiative
Subtotal: 2017 Verified 2015 Results Adjustments	

2016 Verified 2016 Results	
247	Save on Energy Coupon Program
249	Save on Energy Heating & Cooling Program
251	Save on Energy Home Assistance Program
253	Save on Energy Retrofit Program
254	Save on Energy Small Business Lighting Program
289	Residential Direct Mail LDC Innovation Fund Pilot Program
Subtotal: 2016 Verified 2016 Results	

2017 Verified 2016 Results Adjustments	
329	Save on Energy Coupon Program
331	Save on Energy Heating & Cooling Program
335	Save on Energy Retrofit Program
336	Save on Energy Small Business Lighting Program
Subtotal: 2017 Verified 2016 Results Adjustments	

2017 Verified 2017 Results	
411	Save on Energy Coupon Program
412	Save on Energy Instant Discount Program
413	Save on Energy Heating & Cooling Program
415	Save on Energy Home Assistance Program
416	Save on Energy Audit Funding Program
417	Save on Energy Retrofit Program
418	Save on Energy Small Business Lighting Program
421	Save on Energy Business Refrigeration Incentive Program
433	Instant Savings Local Program
463	Whole Home Pilot Program
Subtotal: 2017 Verified 2017 Results	

Total	
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Gross
Verified
Savings

Net Verified Annual Energy Savings (kWh)																
2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031

421,397	418,000	418,000	418,000	418,000	418,000	418,000	417,737	417,737	417,737	392,798	391,156	391,156	381,241	381,241	379,957	101,313
41,379	41,379	41,379	41,379	41,379	41,379	41,379	41,379	41,379	41,379	41,379	41,379	41,379	41,379	41,379	41,379	41,379
16,091	16,091	16,091	16,091	16,091	16,091	16,091	16,091	15,467	15,467	15,467	15,467	-	-	-	-	-
14,220	14,220	14,220	13,803	5,291	-	-	-	-	-	-	-	-	-	-	-	-
128,825	127,655	127,655	127,655	127,655	127,655	127,655	127,627	127,627	127,627	115,286	114,571	114,571	114,048	114,048	113,875	45,515
186,251	180,074	180,074	180,074	180,074	180,074	180,074	180,067	180,067	180,067	159,355	138,576	138,576	138,540	138,540	138,535	88,465
137,646	137,646	137,646	137,646	137,646	137,646	137,646	137,646	137,646	137,646	137,646	137,646	137,646	137,646	137,646	137,646	137,646
285,428	285,428	285,428	285,428	-	-	-	-	-	-	-	-	-	-	-	-	-
2,070,286	2,070,286	2,044,148	2,044,148	2,044,148	2,044,148	1,987,904	1,987,904	1,958,912	1,773,241	1,304,235	1,287,878	378,332	373,062	373,062	281,522	102,081
742,403	570,338	500,649	495,511	495,511	495,511	495,511	495,511	495,511	495,511	480,989	29,799	-	-	-	-	-
14,864	14,864	14,864	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54,629	45,437	43,664	41,892	41,892	41,892	39,407	39,407	26,536	26,397	25,141	25,141	23,850	23,850	4,850	4,507	4,507
4,113,419	3,921,418	3,823,818	3,801,627	3,507,687	3,502,396	3,443,667	3,443,369	3,400,882	3,215,072	2,672,296	2,181,613	1,225,510	1,209,766	1,190,766	1,097,421	520,906

47,168	46,488	46,488	46,488	46,488	46,488	46,488	46,454	46,454	46,454	43,188	42,900	42,900	42,493	42,493	42,371	23,049
5,200	5,200	5,200	5,200	5,200	5,200	5,200	5,200	5,200	5,200	5,200	5,200	5,200	5,200	5,200	5,200	5,200
226,405	226,405	208,654	207,923	207,923	207,923	194,667	194,667	184,411	142,547	42,589	39,124	34,184	34,184	34,184	21,273	9,721
1,456	1,453	1,453	1,453	1,453	1,453	1,453	1,453	1,453	1,453	1,563	1,469	1,469	1,469	1,469	1,478	84
2,621	2,621	2,621	2,621	2,621	2,621	2,621	2,621	2,621	2,621	2,621	2,621	2,621	2,621	2,621	2,621	2,621
19,207	19,207	19,207	19,207	304,635	304,635	304,635	304,635	304,635	304,635	304,635	304,635	304,635	213,245	-	-	-
8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285	8,285
5,003,203	5,003,203	5,003,203	5,003,203	5,003,203	5,003,203	5,003,203	5,003,203	5,003,203	5,003,203	-	-	-	-	-	-	-
5,313,545	5,312,862	5,295,111	5,294,380	5,579,808	5,579,808	5,566,552	5,566,518	5,556,262	5,514,398	408,081	404,234	399,294	307,497	94,252	81,228	48,960

-15,088	-15,088	2,662	3,102	3,102	3,102	16,358	16,358	16,358	12,445	3,102	3,102	-	-	-	-	-
-45,352	-45,352	-19,214	-10,745	-10,745	-10,745	45,498	45,498	51,659	37,403	-7,158	-31,386	-30,391	-33,233	-33,233	-33,233	-33,233
-272,032	-99,966	-30,277	14,939	14,939	14,939	14,939	14,939	14,939	14,939	14,939	17,299	-	-	-	-	-
-332,472	-160,406	-46,829	7,296	7,296	7,296	76,795	76,795	82,956	64,787	10,883	-10,985	-30,391	-33,233	-33,233	-33,233	-33,233

-	1,497,693	1,497,693	1,497,693	1,497,693	1,497,693	1,497,693	1,497,693	1,497,474	1,497,474	1,490,231	1,470,627	1,469,654	1,469,654	1,461,615	1,257,762	1,257,762
-	282,465	282,465	282,465	282,465	282,465	282,465	282,465	282,465	282,465	282,465	282,465	282,465	282,465	282,465	282,465	282,465
-	17,277	17,277	17,277	17,277	17,277	17,277	17,277	17,277	17,277	15,283	12,034	12,034	11,751	11,751	11,751	11,646
-	2,551,962	2,492,476	2,492,476	2,492,476	2,492,476	2,492,476	2,492,476	2,492,476	2,475,629	2,475,629	2,454,276	1,929,772	674,407	570,269	90,380	8,266
-	1,202,894	1,202,894	1,193,244	1,120,987	1,024,057	814,240	518,708	395,395	245,094	190,927	154,045	91,355	26,359	19,544	18,556	6,457
-	239,312	239,312	239,312	239,312	239,312	239,312	239,312	234,360	107,607	107,607	65,105	65,105	65,105	63,716	63,716	61,291
-	5,791,603	5,732,117	5,722,467	5,650,210	5,553,280	5,343,463	5,047,931	4,919,447	4,625,546	4,562,142	4,438,552	3,850,385	2,529,741	2,409,360	1,724,630	1,627,887

-	174,425	174,425	174,425	174,425	174,425	174,425	174,425	174,300	174,300	174,174	173,311	173,280	173,280	172,564	149,259	149,259
-	3,986	3,986	3,986	3,986	3,986	3,986	3,986	3,986	3,986	3,986	3,986	3,986	3,986	3,986	3,986	3,986
-	1,832,538	1,892,023	1,908,451	1,908,451	1,908,451	1,908,451	1,908,451	1,908,451	1,908,451	1,908,451	1,839,582	1,704,412	10,274	10,274	709	-
-	345,249	345,249	341,754	317,741	281,284	226,838	166,663	134,984	96,770	78,347	64,868	36,653	11,341	7,620	7,120	3,089
-	2,356,198	2,415,683	2,428,616	2,404,603	2,368,146	2,313,700	2,253,525	2,221,721	2,183,507	2,164,958	2,081,747	1,918,331	198,881	194,444	161,074	156,334

-	-	1,638,227	1,318,579	1,318,579	1,318,579	1,318,579	1,318,579	1,318,579	1,318,522	1,318,522	1,315,268	1,286,723	1,286,363	1,286,363	1,286,179	1,092,069
-	-	1,537,396	1,113,365	1,113,365	1,113,365	1,113,365	1,113,365	1,113,365	1,113,343	1,113,343	1,113,343	1,093,074	1,091,168	1,091,168	921,345	921,345
-	-	171,189	171,189	171,189	171,189	171,189	171,189	171,189	171,189	171,189	171,189	171,189	171,189	171,189	171,189	171,189
-	-	163,466	163,466	163,466	163,466	163,466	163,466	163,466	163,466	163,466	163,466	157,415	156,961	155,608	155,608	154,423
-	-	65,334	65,334	65,334	65,334	65,334	65,334	65,334	65,334	65,334	56,427	-	-	-	-	-
-	-	3,373,467	3,399,033	3,399,033	3,399,033	3,399,033	2,985,262	2,985,262	2,985,262	2,940,165	2,940,165	2,792,994	2,611,049	480,491	210,918	54,200
-	-	368,189	368,189	364,304	341,239	294,709	236,607	134,898	117,199	106,597	96,089	85,568	45,025	16,896	11,936	8,068
-	-	11,412	11,457	11,457	8,863	8,531	8,531	8,531	8,531	7,847	7,847	7,847	7,650	7,650	7,650	7,650
-	-	385,983	385,983	385,983	385,983	385,983	385,983	385,983	385,983	385,983	385,983	-	-	-	-	-
-	-	9,309	9,309	9,309	9,309	9,309	9,309	9,309	9,309	9,309	9,309	9,309	9,309	9,309	9,309	9,309
-	-	7,723,972	7,005,904	7,002,019	6,976,360	6,929,498	6,457,625	6,355,916	6,338,138	6,281,755	6,259,086	5,604,119	5,378,714	3,218,674	2,774,134	2,418,253

9,094,492	17,221,675	24,943,872	24,260,290	24,151,623	23,987,286	23,673,675	22,845,763	22,537,184	21,941,448	16,100,115	15,354,247	12,967,248	9,591,366	7,074,263	5,805,254	4,739,107
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ings Persistence Report

Canadian Niagara Power Inc.

[illegible]

ings Persistence Report

Canadian Niagara Power Inc.

Program / Initiative Name	Net Verified Annual Peak Demand Savings (kW)																									
	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
Verified 2015 Results																										
Save on Energy Coupon Program	27	27	27	27	27	27	27	27	27	27	24	24	24	24	24	24	6	6	6	6	-	-	-	-	-	-
Save on Energy Heating & Cooling Program	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	-	-	-	-	-	-	-
Save on Energy Retrofit Program	3	3	3	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Appliance Retirement Initiative	3	3	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coupon Initiative	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	3	3	3	3	-	-	-	-	-	-
Bi-Annual Retailer Event Initiative	14	14	14	14	14	14	14	14	14	14	10	9	9	9	9	9	6	6	6	6	-	-	-	-	-	-
HVAC Incentives Initiative	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	66	-	-	-	-	-	-	-
Energy Audit Initiative	61	61	61	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Efficiency: Equipment Replacement Incentive Initiative	248	248	240	240	240	240	228	228	220	182	90	89	59	57	57	48	34	34	34	34	-	-	-	-	-	-
Direct Install Lighting and Water Heating Initiative	161	124	106	105	105	105	105	105	105	105	104	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Existing Building Commissioning Incentive Initiative	22	22	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Low Income Initiative	6	5	5	5	5	5	5	5	5	4	4	4	4	4	4	1	1	1	1	1	-	-	-	-	-	-
tal: 2015 Verified 2015 Results	645	607	581	558	495	494	482	482	473	435	334	235	195	193	190	181	142	142	136	50	-	-	-	-	-	-
Verified 2015 Results Adjustments																										
Save on Energy Coupon Program	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	-	-	-	-	-	-
Save on Energy Heating & Cooling Program	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-	-
Save on Energy Retrofit Program	43	43	37	37	37	37	36	36	32	27	14	13	12	12	12	8	5	5	5	5	-	-	-	-	-	-
Coupon Initiative	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HVAC Incentives Initiative	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-
Energy Audit Initiative	4	4	4	4	65	65	65	65	65	65	65	65	65	45	-	-	-	-	-	-	-	-	-	-	-	-
Efficiency: Equipment Replacement Incentive Initiative	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-
Process and Systems Upgrades Initiatives - Project Incentive Initiative	176	176	176	176	176	176	176	176	176	176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tal: 2016 Verified 2015 Results Adjustments	233	233	227	227	288	288	287	287	283	278	89	88	87	67	22	18	13	13	13	9	-	-	-	-	-	-
Verified 2015 Results Adjustments																										
Save on Energy Retrofit Program	-4	-4	1	1	1	1	3	3	3	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Efficiency: Equipment Replacement Incentive Initiative	-11	-11	-3	-1	-1	-1	11	11	11	8	-	-7	-9	-10	-10	-10	-10	-10	-10	-10	-	-	-	-	-	-
Direct Install Lighting and Water Heating Initiative	-61	-23	-6	4	4	4	4	4	4	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tal: 2017 Verified 2015 Results Adjustments	-76	-38	-8	4	4	4	18	18	18	15	5	-2	-9	-10	-10	-10	-10	-10	-10	-10	-	-	-	-	-	-
Verified 2016 Results																										
Save on Energy Coupon Program	-	98	98	98	98	98	98	98	98	98	97	93	93	93	93	80	80	35	-	-	-	-	-	-	-	-
Save on Energy Heating & Cooling Program	-	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	77	-	-	-	-	-	-	-
Save on Energy Home Assistance Program	-	3	3	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-
Save on Energy Retrofit Program	-	353	343	343	343	343	343	343	343	342	342	341	241	61	61	39	12	12	12	12	12	-	-	-	-	-
Save on Energy Small Business Lighting Program	-	220	220	219	214	202	172	130	106	74	61	51	31	10	8	7	3	3	3	3	1	1	-	-	-	-
Residential Direct Mail LDC Innovation Fund Pilot Program	-	15	15	15	15	15	15	15	14	10	10	6	6	6	6	6	6	6	3	3	3	-	-	-	-	-
tal: 2016 Verified 2016 Results	-	771	761	760	755	743	713	671	646	609	595	574	454	253	251	215	184	139	101	96	17	1	-	-	-	-
Verified 2016 Results Adjustments																										
Save on Energy Coupon Program	-	11	11	11	11	11	11	11	11	11	11	11	11	11	11	10	10	4	-	-	-	-	-	-	-	-
Save on Energy Heating & Cooling Program	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-
Save on Energy Retrofit Program	-	38	49	50	50	50	50	50	50	50	45	29	3	3	-	-	-	-	-	-	-	-	-	-	-	-
Save on Energy Small Business Lighting Program	-	70	70	69	67	63	55	45	39	30	26	22	13	5	4	3	2	2	2	2	1	-	-	-	-	-
tal: 2017 Verified 2016 Results Adjustments	-	120	131	131	129	125	117	107	101	92	88	79	54	20	19	14	13	7	3	3	1	-	-	-	-	-
Verified 2017 Results																										
Save on Energy Coupon Program	-	-	114	92	92	92	92	92	92	92	92	92	86	86	86	86	73	73	9	-	-	-	-	-	-	-
Save on Energy Instant Discount Program	-	-	105	77	77	77	77	77	77	77	77	77	73	73	73	62	62	48	38	-	-	-	-	-	-	-
Save on Energy Heating & Cooling Program	-	-	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	-	-	-	-	-
Save on Energy Home Assistance Program	-	-	14	14	14	14	14	14	14	14	14	14	11	11	11	11	10	10	10	10	10	10	-	-	-	-
Save on Energy Audit Funding Program	-	-	3	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Save on Energy Retrofit Program	-	-	682	687	687	687	687	618	618	618	611	611	582	526	98	37	6	-	-	-	-	-	-	-	-	-
Save on Energy Small Business Lighting Program	-	-	72	72	71	69	64	55	39	35	33	30	27	15	7	5	3	1	1	1	1	1	1	1	-	-
Save on Energy Business Refrigeration Incentive Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Instant Savings Local Program	-	-	60	60	60	60	60	60	60	60	60	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whole Home Pilot Program	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-
tal: 2017 Verified 2017 Results	-	-	1,099	1,054	1,053	1,051	1,046	968	952	948	939	936	828	760	324	250	203	181	107	60	57	13	1	1	0	0
	802	1,693	2,791	2,734	2,724	2,705	2,663	2,533	2,473	2,377	2,050	1,910	1,609	1,283	796	668	545	472	350	208	75	14	1	1	0	0

Years	Project_Location_Account_Number	Customer_Name	LDC Rate Category	Project_Location	Project_Com	Application_Number	Project_Location_Addn	Sum of Measure_Annual_Energy_Savings_kWh_Actual	Sum of Measure_Demand_Reduction_kW_Actual
2019			GS < 50kW		1	Apr	204713	4,658.316	1.014
2019			GS < 50kW		1	Aug	204239	23,354.844	5.797
2019			GS < 50kW		2	Aug	204239	69,804.000	0.000
2019			GS > 50kW		1	Aug	203975	89,129.000	12.700
2019			GS > 50kW		1	Aug	205225	214,620.000	24.500
2019			GS > 50kW		1	Aug	202922	4,586.650	0.998
2019			GS > 50kW		1	Dec	206484	61,884.400	16.600
2019			GS > 50kW		1	Dec	206487	33,577.000	7.000
2019			GS > 50kW		1	Dec	188247	241,278.442	33.766
2019			GS > 50kW		2	Dec	188247	77,361.385	10.489
2019			GS > 50kW		3	Dec	188247	25,186.603	4.286
2019			GS > 50kW		4	Dec	188247	35,647.941	5.636
2019			GS > 50kW		5	Dec	188247	23,141.356	5.037
2019			GS < 50kW		1	Dec	188915	12,654.600	0.000
2019			GS < 50kW		1	Jul	203750	8,526.000	0.000
2019			GS < 50kW		1	Jun	201111	12,317.872	3.140
2019			GS < 50kW		1	Jun	207565	10,728.828	1.351
2019			GS < 50kW		1	Jun	206300	12,260.000	0.000
2019			GS > 50kW		1	May	202804	288,395.253	71.111
2019			GS > 50kW		1	May	202982	71,954.400	0.065
2019			GS < 50kW		1	May	203230	3,583.320	0.780
2019			GS < 50kW	(blank)		Nov	207579	13,742.000	0.000
2019			GS < 50kW		1	Nov	189841	6,860.840	1.755
2019			GS < 50kW		1	Oct	207578	37,473.000	10.400
2019			GS > 50kW		1	Oct	188811	46,706.068	10.184
2019 Total								1,429,432.118	
2016 - 2019 Total Energy Savings (kWh):			15,953,831						
2016 - 2019 Total Demand Savings (kW):			2,051						
				% of Total:					
Energy Savings from GS < 50kW:			3,586,434	22%					
Demand Savings from GS < 50kW:			550	27%					
Energy Savings from GS > 50kW:			10,361,863	65%					
Demand Savings from GS > 50kW:			1,501	73%					
Energy Savings from STREETLIGHTS:			2,005,533	13%					
Demand Savings from STREETLIGHTS:			0	0%					
Unallocated Energy Savings:			0	0%					
Unallocated Demand Savings:			0	0%					

Attachment “J”

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Filing Requirement Section/Page Reference	IRM Requirements	Evidence Reference, Notes
3.1.2 Components of the Application Filing		
3	Manager's summary documenting and explaining all rate adjustments requested	Included in main application document, with headings for each requested rate adjustment, Section 1.0 - 1.10
3	Contact info - primary contact may be a person within the distributor's organization other than the primary license contact	Application, #9
3	Completed Rate Generator Model and supplementary work forms in Excel format	Attached Excel files
3	Current tariff sheet, PDF	Attached as Schedule D
3	Supporting documentation (e.g. relevant past decisions, RRWF etc.)	Footnoted as required throughout Application
3	Statement as to who will be affected by the application, specific customer groups affected by particular request	Application, #6
3	Distributor's internet address	Application, #7
3	Statement confirming accuracy of billing determinants pre-populated in model	Application, #4
3	Text searchable PDF format for all documents	Yes
3	2024 IRM Checklist	Submitted with Application
4	Include a certification by a senior officer that the evidence filed, including the models and appendices, is accurate, consistent and complete to the best of their knowledge, a certification that the distributor has processes and internal controls in place for the preparation, review, verification and oversight of account balances being disposed, as well as a certification regarding personal information	Attached as Schedule A
3.1.3 Applications and Electronic Models		
4	Confirm the accuracy of the data. If a distributor has revised any RRR data after it has been incorporated into the model, this change should be disclosed in the application	N/A
4	File the GA Analysis Workform.	Submitted with Application
5	A distributor seeking a revenue-to-cost ratio adjustment due to a previous OEB decision must continue to file the OEB's Revenue-to-Cost Ratio Adjustment Workform in addition to the Rate Generator model.	N/A
5	For an Incremental or Advanced Capital Module (ICM/ACM) cost recovery and associated rate rider(s), a distributor must file the Capital Module applicable to ACM and ICM.	N/A
5	A distributor seeking to dispose of lost revenue amounts from conservation and demand management activities, during an IRM term, must file the Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) Workform.	Submitted with Application
5	A distributor with a zero balance in the LRAMVA that is requesting a rate rider for previously approved LRAM-eligible amounts does not need to file the LRAMVA Workform but should provide the calculations used to generate the requested LRAM-eligible rate riders	N/A

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5	The models and workforms be used by all distributors. If a distributor makes any changes to OEB models or workforms to address its own circumstances, it must disclose and justify such changes in the manager's summary.	N/A
3.2.2 Revenue to Cost Ratio Adjustments		
7 - 8	Revenue to Cost Ratio Adjustment Workform, if distributor is seeking revenue to cost ratio adjustments due to previous OEB decision.	N/A
3.2.3 Rate Design for Residential Electricity Customers	Applicable only to distributors that have not completed the residential rate design transition	
8	A plan to mitigate the impact for the whole residential class or indicate why such a plan is not required, if the total bill impact of the elements proposed in the application is 10% or greater for RPP customers consuming at the 10th percentile.	N/A
8	Mitigation plan if total bill increases for any customer class exceed 10%.	N/A
3.2.4 Electricity Distribution Retail Transmission Service Rates	No action required at filing - model completed with most recent uniform transmission rates (UTRs) approved by the OEB	
3.2.5 Low Voltage Service Rates (optional)		
9	Provide most recent Low Voltage costs charged by the host distributor to the applicant.	Application, section 1.6
9	Provide Actual Low Voltage costs for the last five historical years. The distributor must also provide the year-over-year variances and explanations for substantive changes in the costs over time.	Application, section 1.6
9	Provide support for the updated Low Voltage costs: last actual volumes and host distributor(s) rates applicable to the distributor.	Application, section 1.6
9	Provide allocation of Low Voltage costs to customer classes (generally in proportion to transmission connection rate revenues).	Application, section 1.6
9	Provide proposed Low Voltage rates by customer class to reflect these costs.	Application, section 1.6
3.2.6 Review and Disposition of Group 1 DVA Balances		
10	Justification if any account balance in excess of the threshold should not be disposed	N/A
10	Completed Tab 3 - continuity schedule in Rate Generator Model	Completed
10 - 11	The opening principal amounts as well as the opening interest amounts for Group 1 balances, shown in the continuity schedule, must reconcile with the last applicable, approved closing balances. Distributors must provide an explanation when the Group 1 account balances presented on the Tab 3 – Continuity Schedule of the Rate Generator model differ from the account balances in the trial balance as reported through the RRR (which have been pre-populated in the Tab 3 – Continuity Schedule of the Rate Generator model)	Application, section 1.5
11	Explanation of variance between amounts proposed for disposition and amounts reported in RRR for each account	Application, section 1.5
11	Statement as to whether any adjustments have been made to balances previously approved by the OEB on a final basis; If so, explanations provided for the nature and amounts of the adjustments and supporting documentation under a section titled "Adjustments to Deferral and Variance Accounts"	Application, section 1.5.1
12	Rate riders proposed for recovery or refund of balances that are proposed for disposition. The default disposition period is one year. Justification with proper supporting information is required if distributor is proposing an alternative recovery period	Application, section 1.5.7

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3.2.6.3 Commodity Accounts 1588 and 1589		
12	Indicate the year in which Account 1588 and Account 1589 balances were last approved for disposition, whether the balances were approved on an interim or final basis, and if they were disposed on an interim basis, which year they were last disposed on a final basis.	Rate Generator Model Tab 1
12	A distributor that is requesting final disposition of balances for the first time, following implementation of the Accounting Guidance, must confirm that it has fully implemented the Accounting Guidance effective from January 1, 2019.	Application, section 1.5.4
12	Confirmation that historical balances that have yet to be disposed on a final basis have been considered in the context of the Accounting Guidance, summary provided of the review performed. Distributors must discuss the results of review, whether any systemic issues were noted, and whether any material adjustments to the account balances have been recorded. A summary and description is provided for each adjustment made to the historical balances	N/A
13 & 4	Populated GA Analysis Workform for each year that has not previously been approved by the OEB for disposition, irrespective of whether seeking disposition of the Account 1589 balance as part of current application. If adjustments were made to an Account 1589 balance that was previously approved on an interim basis, the GA Analysis Workform is required to be completed for each year after the distributor last received final disposition for Account 1589	Submitted with Application.
3.2.6.4 Capacity Based Recovery (CBR)		
13	Distributors that propose disposition of Account 1580 sub-account CBR Class B must do so in accordance with the OEB's Capacity Based Recovery (CBR) accounting guidance. - The balance in sub-account CBR Class B must be disposed over the default period of one year. - For the disposition of Account 1580, sub-account CBR Class A, distributors must follow the CBR accounting guidance, which results in balances disposed outside of a rates proceeding.	Application, section 1.5.6 Rate Generator Model
3.2.6.5 Disposition of Account 1595		
14	Confirmation that residual balances in Account 1595 Sub-accounts for each vintage year have only been disposed once.	Application, section 1.5.2
14	Detailed explanations provided for any significant residual balances attributable to specific rate riders for each customer rate class, including for example, differences between forecast and actual volumes.	N/A - Residual balance is not material.
3.2.7.1 Disposition of the LRAMVA and Rate Riders for Previously Approved LRAM-Eligible Amounts		
16	The 2021 CDM Guidelines require distributors filing an application for 2023 rates to seek disposition of all outstanding LRAMVA balances related to previously established LRAMVA thresholds	Application, section 1.7
For Distributors with a zero balance in the LRAMVA		

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16	A distributor with a zero balance in the LRAMVA should indicate this fact in its application and advise that it is not requesting any disposition. If a distributor with zero balance in the LRAMVA is requesting rate rider(s) for 2024 rates to recover an LRAM-eligible amount approved in a previous proceeding, the distributor should reference the previous OEB decision where the base LRAM-eligible amount for 2024 (i.e., the amount prior to the mechanistic adjustment) was approved, and provide the calculations used to generate the requested LRAM-eligible rate riders (i.e., the mechanistic adjustment and the allocation to rate classes). Distributors are to input the resulting rate rider(s) in Tab 19 – Additional Rates of the IRM Rate Generator Model. Distributors in this circumstance do not need to file the LRAMVA workform or any additional documentation.	N/A
For Distributors with non-zero balance in the LRAMVA		
17	Completed latest version of LRAMVA Workform (ideally Version 1.2) in a working Excel file when making LRAMVA requests for remaining amounts related to CFF activity	Submitted with Application
17	Final Verified Annual Reports if LRAMVA balances are being claimed from CDM programs delivered in 2017 or earlier. Participation and Cost reports in Excel format, made available by the IESO, provided to support LRAMVA balances for programs for the period of January 1, 2018 to April 15, 2019. These reports should be filed in Excel format, similar to the previous Final Verified Annual Reports from 2015 to 2017. To support savings claims for projects completed after April 15, 2019, distributors should provide similar supporting evidence	Submitted with Application
17	File other supporting evidence with an explanation and rationale should be provided to justify the eligibility of any other savings from a program delivered by a distributor through the Local Program Fund that was part of the Interim Framework after April 15, 2019.	N/A
17	Meet the OEB's requirements related to personal information and commercially sensitive information as stated in the Filing Requirements	N/A
18	Statement identifying the year(s) of new lost revenues and prior year savings persistence claimed in the LRAMVA disposition	Application, section 1.7
18	Statement confirming LRAMVA based on verified savings results supported by the distributors final CDM Report and Persistence Savings Report (both filed in Excel format) and a statement indicating use of most recent input assumptions when calculating lost revenue	Application, section 1.7
18	Summary table with principal and carrying charges by rate class and resulting rate riders	Application, section 1.7.4
18	Statement confirming the period of rate recovery	Application, section 1.7.4
18	Statement providing the proposed disposition period; rationale provided for disposing the balance in the LRAMVA if significant rate rider is not generated for one or more customer classes	Application, section 1.7.4

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Filing Requirement Section/Page Reference	IRM Requirements	Evidence Reference, Notes
18	File details related to the approved CDM forecast savings from the distributor's last rebasing application	Application, section 1.7.4
18	Rationale confirming how rate class allocations for actual CDM savings were determined by class and program (Tab 3-A of LRAMVA Work Form)	Application, section 1.7.4
18	Statement confirming whether additional documentation was provided in support of projects that were not included in distributor's final CDM Annual Report (Tab 8 of LRAMVA Work Form as applicable)	Application, section 1.7.4
18	File in support of a previous LRAMVA application, distributors should provide Participation and Cost Reports and detailed project level savings files made available by the IESO and/or other supporting evidence to support the clearance of energy- and/or demand-related LRAMVA balances where final verified results from the IESO are not available. These reports should be filed in Excel format, similar to the previous Final Verified Annual Reports from 2015 to 2017	Submitted with Application.
18 - 19	<p>For a distributor's streetlighting project(s) which may have been completed in collaboration with local municipalities, the following must be provided: Explanation of the methodology to calculate streetlighting savings; Confirmation whether the streetlighting savings were calculated in accordance with OEB-approved load profiles for streetlighting projects; Confirmation whether the streetlighting project(s) received funding from the IESO and the appropriate net-to-gross assumption used to calculate streetlighting savings.</p> <p>For the recovery of lost revenues related to demand savings from street light upgrades, distributors should provide the following information:</p> <ul style="list-style-type: none">o Explanation of the forecast demand savings from street lights, including assumptions built into the load forecast from the last CoS applicationo Confirmation that the street light upgrades represent incremental savings attributable to participation in the IESO program, and that any savings not attributable to the IESO program have been removed (for example, other upgrades under normal asset management plans)o Confirmation that the associated energy savings from the applicable IESO program have been removed from the LRAMVA workform so as not to double count savings (for example, if requesting lost revenue recovery for the demand savings from a street light upgrade program, the associated energy savings from the Retrofit program have been subtracted from the Retrofit total)o Confirmation that the distributor has received reports from the participating municipality that validate the number and type of bulbs replaced or retrofitted through the IESO programo A table, in live excel format, that shows the monthly breakdown of billed demand over the period of the street light upgrade project, and the detailed calculations of the change in billed demand due to the street light upgrade project (including data on number of bulbs, type of bulb replaced or retrofitted, average demand per bulb)	Application, section 1.7.4 LRAMVA Workform IESO 2017 Verified Results IESO April 2019 Participation and Cost Report Additional Project List

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19	For the recovery of lost revenues related to demand savings from other programs that are not included in the monthly Participation and Cost Reports of the IESO (for example Combined Heat and Power projects), distributors should provide the following information: o The third party evaluation report that describes the methodology to calculate the demand savings achieved for the program year. In particular, if the proposed methodology is different than the evaluation approaches used by the IESO, an explanation must be provided explaining why the proposed approach is more appropriate o Rationale for net-to-gross assumptions used o Breakdown of billed demand and detailed level calculations in live excel format	Application, section 1.7.4
19 - 20	For program savings for projects completed after April 15, 2019, distributors should provide the following: o Related to CFF programs: an explanation must be provided as to how savings have been estimated based on the available data (i.e. IESO's Participation and Cost Reports) and/or rationale to justify the eligibility of the program savings. o Related to programs delivered by the distributor through the Local Program Fund under the Interim CDM Framework: an explanation and rationale should be provided to justify the eligibility of the additional program savings.	Application, section 1.7.4
3.2.7.2 Continuing Use of the LRAMVA for New CDM Activities		
21	Statement whether it is requesting an LRAMVA for one or more of these activities, if this request has not been addressed in a previous application.	Application, section 1.7.4
3.2.8 Tax Changes		
21	Tabs 8 and 9 of Rate Generator model are completed, if applicable	Application, section 1.8
21 - 22	If a rate rider to the fourth decimal place is not generated for one or more customer classes, the entire sharing tax amount is be transferred to Account 1595 for disposition at a future date	N/A
3.2.9 Z-Factor Claims		
22	Eligible Z-factor cost amounts are recorded in Account 1572, Extraordinary Event Costs. Carrying charges are calculated using simple interest applied to the monthly opening balances in the account and recorded in a separate sub-accounts of this account	Application, section 1.9.1
23	To be eligible for a Z-factor claim, a distributor must demonstrate that its achieved regulatory return on equity (ROE), during its most recently completed fiscal year, does not exceed 300 basis points above its deemed ROE embedded in its base rates	Application, section 1.9.3
3.2.9.1 Z-Factor Filing Guidelines		
23	Evidence that costs incurred meet criteria of causation, materiality and prudence	Application, section 1.9.2

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23	In addition, the distributor must: - Notify OEB by letter of all Z-Factor events within 6 months of event - Apply to OEB to recover costs recorded in the OEB-approved deferral account claimed under Z-Factor treatment - Demonstrate that distributor could not have been able to plan or budget for the event and harm caused is genuinely incremental - Demonstrate that costs incurred within a 12-month period and are incremental to those already being recovered in rates as part of ongoing business risk - Provide the distributor's achieved regulatory ROE for the most recently completed fiscal year	Schedule F
3.2.9.2 Recovery of Z-Factor Costs		
23	Description of manner in which distributor intends to allocate incremental costs, including rationale for approach and merits of alternative allocation methods	Application, section 1.9.3
23	Specification of whether rate rider(s) will apply on fixed or variable basis, or combination; length of disposition period and rational for proposal	Application, section 1.9.3
23	Residential rate rider to be proposed on fixed basis	Application, section 1.9.3
23	Detailed calculation of incremental revenue requirement and resulting rate rider(s)	Application, section 1.9.3
3.2.10 Off-Ramps		
24	If a distributor whose earnings are in excess of the dead band nevertheless applies for an increase to its base rates, it needs to substantiate its reasons for doing so	N/A
24	A distributor is expected to file its regulated ROE, as was filed for 2.1.5.6 of the RRR. However, if in the distributor's view this ROE has been affected by out-of-period or other items (for example, revenues or costs that pertain to a prior period but recognized in a subsequent one), it may also file a proposal to normalize its achieved regulated ROE for those impacts, for consideration by the OEB.	N/A
3.3.1 Advanced Capital Module		
5	Capital Module applicable to ACM and ICM, for an incremental or pre-approved Advanced Capital Module (ICM/ACM) cost recovery and associated rate rider(s)	N/A
25	Evidence of passing "Means Test"	N/A
25	Information on relevant project's (or projects') updated cost projections, confirmation that the project(s) are on schedule to be completed as planned and an updated ACM/ICM module in Excel format	N/A
25	If proposed recovery differs significantly from pre-approved amount, a detailed explanation is required	N/A
3.3.2 Incremental Capital Module		
26	If updated cost projects are 30% greater than pre-approved amount, distributor must treat project as new ICM, re-filed business case and other relevant material required	N/A
27	Evidence of passing "Means Test"	N/A

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3.3.2.1 ICM Filing Requirements		
	The following should be provided when filing for incremental capital:	N/A
5	Capital Module applicable to ACM and ICM, for an incremental or pre-approved Advanced Capital Module (ICM/ACM) cost recovery and associated rate rider(s)	N/A
28	An analysis demonstrating that the materiality threshold test has been met and that the amounts will have a significant influence on the operation of the distributor	N/A
28	Justification that the amounts to be incurred will be prudent - amounts represents the most cost-effective option (but not necessarily the least initial cost) for ratepayers	N/A
28	Justification that amounts being sought are directly related to the cause, which must be clearly outside of the base upon which current rates were derived	N/A
28	Evidence that the incremental revenue requested will not be recovered through other means (e.g., it is not, in full or in part, included in base rates or being funded by the expansion of service to include new customers and other load growth)	N/A
28	Details by project for the proposed capital spending plan for the expected in-service year	N/A
28	Description of the proposed capital projects and expected in-service dates	N/A
28	Calculation of the revenue requirement (i.e. the cost of capital, depreciation, and PILs) associated with each proposed incremental capital project	N/A
28	Description of the actions the distributor would take in the event that the OEB does not approve the application	N/A
28	Calculation of a rate rider to recover the incremental revenue from each applicable customer class. The distributor must identify and provide a rationale for its proposed rider design, whether variable, fixed or a combination of fixed and variable riders. As discussed at section 3.2.3, any new rate rider for the residential class must be applied on a fixed basis	N/A
3.3.2.3 ICM Filing Requirements		
29	Calculate the maximum allowable capital amount.	N/A
3.3.2.5 Changes in Tax Rules for Capital Cost Allowance (CCA)		
31	Provide the ICM revenue requirement reflecting the exclusion of accelerated CCA.	N/A
31	Also, provide the ICM revenue requirement reflecting the inclusion of accelerated CCA.	N/A
3.3.2.6 ACM/ICM Accounting Treatment		
31	Record eligible ICM amounts in Account 1508 - Other Regulatory Asset, Sub-Account Incremental Capital Expenditures, subject to assets being used and useful.	N/A
31	Record actual amounts in the appropriate sub-accounts of Account 1508 – Other Regulatory Assets in accordance with the OEB’s APH Guidance.	N/A
31	The applicable rate of interest for deferral and variance accounts for the respective quarterly period is prescribed by the OEB and published on the OEB’s website	N/A

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31	At the time of the subsequent rebasing application, a distributor is required to provide the funding true-up calculation, if material, comparing the recalculated revenue requirement based on actual capital spending relating to the OEB-approved ACM/ICM project(s) to the rate rider revenues collected in the same period. Distributors should note assumptions used in the calculation (e.g. half-year rule). If the OEB determines that a true-up of variances is required, the variance will be refunded to (or collected from) customers through a rate rider.	N/A