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August 24, 2020

Via RESS

Ms. Kirsten Walli
Board Secretary
Ontario Energy Board
PO Box 2319
2300 Yonge Street, 27th floor
Toronto, ON M4P 1E4

Dear Ms. Walli:

Re: Toronto Hydro-Electric System Limited ("Toronto Hydro")
Application to Finalize 2021 Electricity Distribution Rates and Charges
OEB File No. EB-2020-0057

Pursuant to section 78 of the *Ontario Energy Board Act, 1998* and the Ontario Energy Board's Decision in the 2020-2024 Custom Incentive Rate Application (EB-2018-0165) enclosed is Toronto Hydro's annual rate update application to finalize the utility's distribution rates and other charges, effective January 1, 2021.

Toronto Hydro notes that the third-party reports found at Tab 4, Schedule 1, Appendices D-H contain redactions for personal information, specifically employee and customers names.

Respectfully,

Daliana Coban
Director, Regulatory Applications and Business Support
Toronto Hydro-Electric System Limited

cc: Anila Dumont, Toronto Hydro

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APPLICATION TO FINALIZE 2021 ELECTRICITY DISTRIBUTION RATES AND CHARGES

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IN THE MATTER OF the *Ontario Energy Board Act, 1998*, Schedule B to the *Energy Competition Act, 1998*, S.O. 1998, c.15;

AND IN THE MATTER OF an Application by Toronto Hydro-Electric System Limited for an Order or Orders approving or fixing just and reasonable rates and other service charges for the distribution of electricity effective January 1, 2021.

The Applicant, Toronto Hydro-Electric System Limited ("Toronto Hydro"), is a corporation incorporated under the *Business Corporations Act*, R.S.O. 1990, c. B. 17 and is licensed by the Ontario Energy Board (the "OEB") under licence number ED-2002-0497 to distribute electricity in the City of Toronto.

Toronto Hydro's tariff of rates and charges was most recently updated by the OEB effective January 1, 2020 per the OEB's Decision and Rate Order in Toronto Hydro's Custom Incentive Rate-setting 2020-2024 Application (EB-2018-0165) [the "Custom IR"]. Among other orders, the OEB stated rates for 2021-2024 will be set on the basis of the OEB-approved Custom Price Cap Index ("CPCI") framework for Toronto Hydro. This 2021 Custom Incentive Rate-setting Update Application (EB-2020-0057) for final approval of 2021 distribution rates and charges is in accordance with the same OEB direction.

Pursuant to section 78 of the *Ontario Energy Board Act, 1998* as amended (the "OEB Act") and the OEB's direction in the Custom IR application, Toronto Hydro hereby

requests final approval of distribution rates and other charges, effective January 1, 2021, along with approval for disposition of amounts accumulated in certain Deferral and Variance Accounts (DVAs), as detailed in Tab 2, Schedule 1.

This application is supported by pre-filed written evidence, which may be amended or updated from time to time, prior to the OEB's final decision on this application. The pre-filed evidence complies with the OEB's *2021 Filing Requirements for Electricity Distribution Rate Applications* (May 14, 2020) (the "Filing Requirements") and only deviates from these requirements in accordance with the custom rate framework approved by the OEB in EB-2018-0165.

I. SPECIFIC RELIEF REQUESTED

The list of approvals sought by Toronto Hydro in this application are detailed in the Manager's Summary at Tab 2, Schedule 1, pages 1-2.

II. PROPOSED EFFECTIVE DATE

Toronto Hydro requests that the OEB make its Rate Order effective January 1, 2021, notwithstanding that the OEB's Decision and Order approving these rates and other charges may not be delivered until after that date. In the alternative, Toronto Hydro requests an Interim Order making Toronto Hydro's current distribution rates and charges effective on an interim basis as of January 1, 2021 and establishing an account to recover any differences between the interim rates and the actual rates effective January 1, 2021 based on the OEB's Decision and Order.

III. FORM OF HEARING REQUESTED

Toronto Hydro requests that this application be disposed of by way of a written hearing.

IV. PUBLICATION OF NOTICE

In accordance with the process established for the review and approval of Toronto Hydro's 2019 IR Update application (EB-2018-0071), Toronto Hydro submits that a Notice of Application and Hearing is not required for this proceeding.

V. DIGITAL ACCESS TO THE APPLICATION

Toronto Hydro will make a copy of the application and evidence, and any amendments thereto, available for public review on its website via the following link:

http://www.torontohydro.com/Sites/electricsystem/pages/RegulatoryAffairs.aspx

VI. CONTACT INFORMATION

Toronto Hydro requests that all documents filed with the OEB in this proceeding be served on the undersigned.

All of which is respectfully submitted this 24th day of August, 2020.

Daliana Coban
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TORONTO HYDRO-ELECTRIC SYSTEM LIMITED
14 Carlton Street
Toronto, ON M5B 1K5

Signed by:

Daliana Coban
Director, Regulatory Applications and Business Support

- Appendix to Legal Application -

Title of Proceeding:	Application by Toronto Hydro-Electric System Limited for an Order or Orders approving or fixing just and reasonable distribution rates and other charges effective January 1, 2021.
Applicant's Name:	Toronto Hydro-Electric System Limited ("Toronto Hydro")
Application Address:	14 Carlton Street Toronto, Ontario M5B 1K5
Counsel to the Applicant:	Anila Dumont, Toronto Hydro, LSUC# 65872N
Contact Information:	**Anila Dumont** Regulatory Counsel Toronto Hydro 14 Carlton Street Toronto, ON M5B 1K5 regulatoryaffairs@torontohydro.com adumont@torontohydro.com Tel: 416-542-2831 Fax: 416-542-3024

OFFICER'S CERTIFICATE – PRE-FILED EVIDENCE

As the Executive Vice President, Regulatory Affairs and General Counsel of Toronto Hydro-Electric System Limited ("Toronto Hydro"), I hereby certify that the pre-filed evidence submitted in support of Toronto Hydro's 2021 Custom Incentive Rate-setting Update Application (EB-2020-0057), as filed with the Ontario Energy Board is accurate, consistent and complete to the best of my knowledge.

This certificate is given pursuant to Chapter 1 of the Ontario Energy Board's *Filing Requirements for Electricity Distribution Rate Applications* (revised May 14, 2020).

DATED this 24th day of August, 2020.

Amanda Klein
Executive Vice President,
Regulatory Affairs and General
Counsel

OFFICER'S CERTIFICATE – ACCOUNT BALANCES

As the Executive Vice President, Chief Financial Officer of Toronto Hydro-Electric System Limited ("Toronto Hydro"), I hereby certify that Toronto Hydro has robust processes and internal controls in place for the preparation, review, verification and oversight of the balances in the accounts in respect of which Toronto Hydro seeks disposition in its 2021 Custom Incentive Rate-setting Update Application (EB-2020-0057), as filed with the Ontario Energy Board.

This certificate is given pursuant to Chapter 3 of the Ontario Energy Board's Filing Requirements for Electricity Distribution Rate Applications (revised May 14, 2020).

DATED this 24th day of August, 2020.

Aida Cipolla
Executive Vice President,
Chief Financial Officer

2021 IRM Checklist

Toronto Hydro-Electric System Limited
EB-2020-0057

Date: August 24, 2020

Filing Requirement Page # Reference		Evidence Reference, Notes
IRM REQUIREMENTS		
3.1.2 Components of the Application Filing		
3	Manager's summary documenting and explain all rate adjustments requested	Tab 2, Schedule 1
4	Contact info - primary contact may be a person within the applicant's organization other than the primary license contact	Tab 1,Schedule 1
4	Completed Rate Generator Model and supplementary work forms, Excel and PDF	Tab 3, Schedule 1*TH replica version
4	Current tariff sheet, PDF	Tab 6, Schedule 1
4	Supporting documentation (e.g. relevant past decisions, RRWF etc.)	Included hyperlinks for external references
4	Statement as to who will be affected by the application, specific customer groups affected by particular request	Tab 2, Schedule 1J
4	Applicant's internet address	Tab 1, Schedule 1
4	Statement confirming accuracy of billing determinants pre-populated in model	Tab 2, Schedule 1
4	Text searchable PDF format for all documents	Yes
4	An Excel version of the IRM Checklist	Filed with Application
3.1.3 Applications and Electronic Models		
5	Populated GA Analysis Workform	Tab 3, Schedule 2
5	If required, for distributors seeking revenue to cost ratio adjustments due to previous OEB decision, the Revenue to Cost Ratio Adjustment Workform must be filed	NA
5	For an incremental or pre-approved advanced capital module (ICM/ACM) cost recovery and associated rate rider(s), a distributor must file the Capital Module Applicable to ACM and ICM	NA
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	Tab 4, Schedule 1
5	Account 1595 Analysis Workform - for distributors who meet the requirements for disposition of residual balances in 1595 sub-accounts	Tab 3, Schedule 3
3.2.2 Revenue to Cost Ratio Adjustments		
7	Completed revenue-to-cost ratio adjustment workform to adjust the revenue-to-cost ratio if previously approved by the OEB	NA
3.2.3 Rate Design for Residential Electricity Customers		
Residential Rate Design - Exceptions and Mitigation (applicable only to distributors that have not completed the rate design transition)		NA
7	If the total bill impact of the elements proposed in the application is 10% or greater for RPP customers consuming at the 10th percentile, a distributor must file a plan to mitigate the impact for the whole residential class or indicate why such a plan is not required	NA
7	Mitigation plan if total bill increases for any customer class exceed 10%	NA
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 Review and Disposition of Group 1 DVA Balances		
9	Justification if any account balance in excess of the threshold should not be disposed	NA
10	Completed tab 3 - continuity schedule in Rate Generator Model	Tab 3, Schedule 1*TH replica version
10 - 11	Explanation of variance between amounts proposed for disposition and amounts reported in RRR for each account	Tab 2, Schedule 1D
10 - 11	Statement as to whether any adjustments have been made to balances previously approved by the OEB on a final basis If yes, explanations provided for the nature and amounts of the adjustments and supporting documentation under a section titled "Adjustments to Deferral and Variance Accounts	Tab 2, Schedule 1D
11	Propose rate riders for recovery or refund of balances that are proposed for disposition. The default disposition period is one year; if the applicant is proposing an alternative recovery period must provide explanation.	Tab 2, Schedule 1D; Tab 3, Schedule 1
12	GA rate riders calculated on an energy basis (kWh)	Tab 3, Schedule1
3.2.5.1 Wholesale Market Participants		
11	Establish separate rate riders to recover balances in the RSVA's from Market Participants who must not be allocated the RSVA balances related to charges for which the WMP's settle directly with the IESO.	Tab 2, Schedule 1D; Tab 3, Schedule 1
3.2.5.2 Global Adjustment		
12	Establishment of a separate rate rider included in the delivery component of the bill that would apply prospectively to Non-RPP Class B customers when clearing balances from the GA Variance Account	Tab 2, Schedule 1D; Tab 3, Schedule1
12 - 13	For each year that the accumulated balance of Account 1589 has not been disposed, regardless of whether or not distrbutors are seeking disposition of Group 1 accounts in the current proceeding, all distributors are required to file the GA Analysis Workform in live Excel format and explain discrepancies.	Tab 3, Schedule 2; live Excel filed with Application
3.2.5.3 Commodity Accounts 1588 and 1589		
13	Confirm as part of its application that it has fully implemented the OEB's February 21, 2019 guidance effective from January 1, 2019.	Tab 2, Schedule 1D
13 - 14	Confirmation that historical balances that have yet to be disposed on a final basis have been considered in the context of the Feb. 21, 2019 accounting guidance, and provide a summary of the review performed. Distributors must also 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 of each adjustment made to the historical balances must be provided in the application.	Tab 2, Schedule 1D
15	Certification by the CEO, CFO or equivalent that distributor has robust processes and internal controls in place for the preparation, review, verification and oversight of account balances being proposed for disposition	Tab 1, Schedule 3
3.2.5.4 Capacity Based Recovery (CBR)		
15	Proposed disposition of Account 1580 sub-account CBR Class B in accordance with the OEB's CBR Accounting Guidance. - embedded distributors who are not charged CBR (therefore no balance in sub-account CBR Class B) must indicate this is the case for them - In the DVA continuity schedule, applicants must indicate whether they serve any Class A customers during the period where Account 1580 CBR Class B sub-account balance accumulated. - Account 1580 sub-account CBR Class A is not to be disposed through rates proceedings but rather follow the OEB's accounting guidance. - The DVA continuity schedule will allocate the portion of Account 1580 sub-account CBR Class B allocated to customers who transitioned between Class A and Class B based on consumption levels	Tab 2, Schedule 1F; Tab 3, Schedule 1
3.2.6 Lost Revenue Adjustment Mechanism Variance Account		
16 - 21	LRAMVA - disposition of balance. Distributors must provide version 5 of LRAMVA Work Form in a working Excel file when making LRAMVA requests for remaining amounts related to CFF activity. An application for lost revenues should include: Participation and Cost reports in Excel format, made available by the IESO. An application for lost revenues should also provide the following: - statement identifying the year(s) of new lost revenues and prior year savings persistence claimed in the LRAMVA disposition - 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 - summary table with principal and carrying charges by rate class and resulting rate riders - statement providing the disposition period; rationale provided for disposing the balance in the LRAMVA if one or more classes do not generate significant rate riders - statement confirming LRAMVA reference amounts, rationale for the distributors circumstances if LRAMVA threshold not used - rationale confirming how rate class allocations for actual CDM savings were determined by class and program (Tab 3-A of LRAMVA Work Form) - statement confirming whether additional documentation was provided in support of projects that were not included in distributors final CDM Annual Report (Tab 8 of LRAMVA Work Form as applicable) - 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 For the recovery of lost revenues related to demand savings from street light upgrades, distributors should provide the following information: o Explanation of the forecast demand savings from street lights, including assumptions built into the load forecast from the last CoS application o 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 program o 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). 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	Tab 2, Schedule 1E; Tab 4; live Excels filed with Application

2021 IRM Checklist

Toronto Hydro-Electric System Limited
EB-2020-0057

Date: August 24, 2020

Filing Requirement Page # Reference		Evidence Reference, Notes
IRM REQUIREMENTS		
3.2.7 Tax Changes		
21	If applicable, tabs 8 and 9 of Rate Generator Model complete	NA
21	If one or more customer classes does not generate a rate rider to the fourth decimal place, a proposal that the entire 50/50 sharing amount will be transferred to Account 1595 for disposition at a future date	NA
3.2.8 Z-Factor Claims, Pg. 20-21		
23	Evidence that costs incurred meet criteria of need, materiality and prudence - see 3rd Generation IRM Report	NA
23	In addition distributor must: - Notify OEB by letter of all Z-Factor events within 6 months of event (Confirm that letter is on file) - Apply to OEB for any cost recovery of amounts in 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 exposure risk	NA
3.2.8.2 Z-Factor Accounting Treatment		
23	Eligible Z-factor cost amounts recorded in Account 1572, Extraordinary Event Costs, of the OEB's USoA contained in the Accounting Procedures Handbook (APH) for electricity distributors.	NA
23	Carrying charges are calculated using simple interest applied to the monthly opening balances in the account and recorded in a separate Sub-Account of this account	NA
3.2.8.3 Recovery of Z-Factor Costs		
24	Description of manner in which distributor intends to allocate incremental costs, including rationale for approach and merits of alternative allocation methods	NA
24	Specification of whether rate rider(s) will apply on fixed or variable basis, or combination; length of disposition period and rational for proposal	NA
24	Residential rider on fixed basis	NA
24	Detailed calculation of incremental revenue requirement and resulting rate rider(s)	NA
3.3.1 Advanced Capital Module		
25	Evidence of passing "Means Test"	NA
25	Information on relevant project or projects updated cost projections, confirmation that the project or projects are on schedule to be completed as planned and an updated ACM/ICM module in Excel format	NA
25	If proposed recovery differs significantly from pre-approved amount, a detailed explanation is required as to why	NA
25	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	NA
3.3.2 Incremental Capital Module		
3.3.2.1 ICM Filing Requirements		
	The following should be provided when filing for incremental capital:	NA
27	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	NA
27	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	NA
27	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	NA
27 - 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)	NA
28	Details by project for the proposed capital spending plan for the expected in-service year	NA
28	Description of the proposed capital projects and expected in-service dates	NA
28	Calculation of the revenue requirement (i.e. the cost of capital, depreciation, and PILs) associated with each proposed incremental capital project	NA
28	Calculation of each incremental project's revenue requirements that will be offset by revenue generated through other means (e.g. customer contributions in aid of construction)	NA
28	Description of the actions the distributor would take in the event that the OEB does not approve the application	NA
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	NA
3.3.5 Off-Ramps		
33 - 34	A distributor whose earnings are in excess of the dead band (i.e. 300 basis points) but nevertheless applies for an increase to its base rates - an explanation to substantiate its reasons for doing so required	NA
Appendix A		
Appendix A	Confirm disposition of residual balances for vintage Account 1595 have only been done once - distributors expected to seek disposition of the balance a year after a rate rider's sunset date has expired. No further dispositions of these accounts are generally expected unless justified by the distributor	Tab 2, Schedule D
Appendix A & Page 5	Distributors who meet the requirements for disposition of residual balances of Account 1595 sub-accounts, must complete the 1595 Analysis Workform. Account 1595 sub-accounts are eligible for disposition when one full year has elapsed since the associated rate riders' sunset dates have expired and the residual balances have been externally audited.	Tab 3, Schedule 3
Appendix A	Material residual balances will require further analysis, consisting of separating the components of the residual balances by each applicable rate rider and by customer rate class. Distributors are expected to provide detailed explanations for any significant residual balances attributable to specific rate riders for each customer rate class. Explanations must include for example, volume differences between forecast volumes (used to calculate the rate riders) as compared to actual volumes at which the rate riders were billed.	NA

APPLICATION TO FINALIZE 2021 ELECTRICITY DISTRIBUTION RATES AND CHARGES: MANAGER'S SUMMARY

On August 15, 2018, Toronto Hydro filed the 2020-2024 Custom Incentive Rate-setting ("Custom IR") application (EB-2018-0165) pursuant to the OEB's Renewed Regulatory Framework for Electricity (the "RRFE"). On December 19, 2019, the OEB issued the Decision and Order (the "Decision") approving the Custom IR framework for setting distribution rates for 2020-2024. On February 20, 2020 the OEB issued the Rate Order approving final distribution rates and charges for 2020 (the "Rate Order").[1]

This application seeks final approval of the 2021 distribution rates, effective January 1, 2021, pursuant to the Custom IR framework approved by the OEB in the Decision. In addition, the application seeks approval of the following:

- 2021 Retail Transmission Service Rates ("RTSR"), effective January 1, 2021;
- Leave to clear the amounts accumulated in the Group 1 Deferral and Variance Accounts ("DVAs");
- Leave to clear the amounts accumulated in the Lost Revenue Adjustment Mechanism Variance Account ("LRAMVA") for 2018 and 2019;
- Approval to transfer immaterial balances resulting from the required true-up of specific Group 2 DVAs and Other Amounts to Account 1595 as residual amounts for 2021;
- Final approval of the RSVA Account Balances for 2017 and 2018, which were previously approved on an interim basis;
- A decrease in the monthly service charge for the microFIT Generator Service Classification from $5.33 to $4.49 per 30 days, based on the updated province-wide charge;

[1] EB-2018-0165, Toronto Hydro-Electric System Limited Application (Filed: August 15, 2018), Decision and Order (December 19, 2020) at page 23; EB-2018-0165, Decision and Rate Order (February 20, 2020) at page 1.

- Updated Retail Service Charges and the Specific Charge for access to the Power Poles (Wireline Attachments);
- Final approval of the rates and charges set out in the 2021 Tariff Sheet at Tab 6, Schedule 2;
- Other items or amounts that may be requested by Toronto Hydro during the course of the proceeding, and such other relief or entitlements as the OEB may grant.

All rate adjustments, including the clearance of Group 1 DVAs, sought as a part of this application are the output of the 2021 IRM Rate Generator Model (the "Rate Model"), filed at Tab 3, Schedule 1, and the Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) Workform, filed at Tab 4, Schedule 1. The Rate Model is a replica of the OEB's 2021 IRM Rate Generator Model with customizations to address Toronto Hydro's specific requirements, including: (i) integration of the Custom Incentive Price Cap Index ("CPCI") mechanism, (ii) use of a 30-day basis for fixed and demand based rates, and (iii) use of kVA for distribution related demand based rates. To facilitate these same customizations, the utility has developed the 2021 Tariff Sheet and the associated Bill Impacts outside of the Rate Model.

Toronto Hydro reviewed the pre-populated billing determinants in the OEB's model and made corrections for the number of customers in the residential and Competitive Sector Multi-Unit Residential ("CSMUR") classes. The utility confirms that all other pre-populated billing determinants are accurate.

All the changes that Toronto Hydro made to the model are summarized in the tab entitled "Summary of Changes".

A. 2020 TARIFF SHEET

Toronto Hydro included within the Rate Model and at Tab 6, Schedule 1 a copy of the current 2020 Tariff Sheet approved by the OEB in the 2020-2024 Custom IR application. The rates and charges set out in the 2020 Tariff Sheet are the starting point from which the 2021 rates and charges were calculated using the Rate Model.

B. CUSTOM PRICE CAP INDEX ("CPCI") ADJUSTMENT

In the 2020-2024 Custom IR application, the OEB approved the CPCI for setting rates in the years 2021 through 2024. The OEB approved the CPCI formula as follows:

$$\mathbf{CPCI = I - X + C - g, \text{ or}}$$

$$\mathbf{CPCI = I - X + C_n - S_{cap} * (I + X_{cap}) - g}$$

The OEB approved the values for all elements of the CPCI formula for the entire duration of the Custom IR period, with the exception of the Inflation Factor ("I"), which is to be updated annually.[2] Therefore, the only adjustment for the calculation of final 2021 distribution rates is the 2021 Inflation Factor, which will be issued by the OEB sometime during the course of this proceeding.

The Rate Model filed at Tab 3, Schedule 1 adopts the OEB's 2020 Inflation Factor as a proxy. Toronto Hydro proposes to update the Rate Model with the 2021 Inflation Factor during the Draft Rate Order process.

For ease of reference, the table below outlines the approved components of the CPCI for 2021.[3]

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[2] EB-2018-0165, Decision and Order (December 19, 2020) at page 31.

[3] EB-2018-0165, Decision and Order (December 19, 2020) at page 33 [reference to OEB approval of the Productivity Factor], at page 36 [reference to OEB approval of the Stretch Factor], at page 40 [reference to OEB approval of the C Factor and requirement for incremental stretch factor, X_{cap}], at page 42 [reference to OEB approval of the Growth Factor].

Table 1 - CPCI Factors and Values

CPCI Components	2021
I*	2.00%
X – productivity	0.00%
X – stretch factor	0.60%
X_{cap}	0.30%
C_n	4.97%
S_{cap}	71.22%
g	0.20%
CPCI	**4.53%**

*Final 2021 Inflation value to be determined by OEB. CPCI to be updated accordingly.

C. GROUP 2 ACCOUNT TRUE-UPS

In the Custom IR Decision, the OEB approved the disposition of Group 2 DVA balances and Other Amounts on a forecast basis.[4] In the subsequent Rate Order, the OEB directed Toronto Hydro to true-up any variance between the forecast principal and interest amounts and the actual principal and interest amounts, and to dispose of these amounts in the year that the underlying account is disposed.[5]

In accordance with the OEB's direction, the accounts that are subject to true-up as part of this Application are those which the OEB approved for disposition starting on March 1, 2020 and January 1, 2021. Toronto Hydro notes that the future tax savings in connection with two of these accounts (i.e. the Operating Centres Consolidation Program ("OCCP") and the Gain on Sale of 50/60 Eglinton Avenue), which the utility committed to return to customers, will be realized and recorded for accounting purposes as the rate rider is paid back to ratepayers. As a result, Toronto Hydro cannot true-up these two accounts for actuals until the underlying account dispositions are complete (December 31, 2021) and

[4] EB-2018-0165, Decision and Order (December 19, 2020) at pages 177-178.
[5] EB-2018-0165, Decision and Rate Order (February 20, 2020) at page 4.

the final tax savings are realized. Therefore, the utility proposes to defer the required true-ups for these two accounts to its 2023 Custom IR Update application.

The results of the true-up exercise for all other applicable accounts are summarized in Tables 2 and 3 below. The true-up variances for all accounts are immaterial and sum to a total variance of -$171,101. Clearance of these immaterial amounts would result in rate riders that fall below the $0.0001/kWh materiality threshold as per Report of the Board on Electricity Distributors' Deferral and Variance Account Review Initiative [the "EDDVAR Report"].[6] Therefore, Toronto Hydro proposes to transfer the true-up amount to Account 1595 as a residual balance for the 2021 year.

Table 2: Forecast and Actual Group 2 Deferral and Variance Account Balances – Clearance Starting March 1, 2020 ($ Millions)

	Forecast			Actual			Total True-up Variance
	Principal Balances	Carrying Charges to Feb 29, 2020	Total Balance, including carrying charges	Principal Balances	Carrying Charges to Feb 29, 2020	Total Balance, including carrying charges	
Group 2 Accounts							
Impact for USGAAP Deferral	6.4	0.0	6.4	6.4	0.0	6.4	0.0
Externally Driven Capital	(3.1)	(0.1)	(3.2)	(3.1)	(0.1)	(3.2)	0.0
Monthly Billing	11.0	0.4	11.4	11.0	0.4	11.4	0.0
OPEB Cash vs Accrual	7.1	0.0	7.1	7.1	0.0	7.1	0.0

[6] EB-2008-0046, The Report of the Board on Electricity Distributors' Deferral and Variance Account Review Report (July 31, 2009) at page 13.

	Forecast			Actual			Total True-up Variance
	Principal Balances	Carrying Charges to Feb 29, 2020	Total Balance, including carrying charges	Principal Balances	Carrying Charges to Feb 29, 2020	Total Balance, including carrying charges	
IFRS-USGAAP Transitional PP&E Amounts	(1.6)	-	(1.6)	(1.6)	-	(1.6)	-

Note: Variances due to rounding may exist.

1

2 **Table 3: Forecast and Actual Group 2 Deferral and Variance Account Balances –**

3 **Clearance Starting January 1, 2021 ($ Millions)**

	Forecast			Actual			Total True-up Variance
	Principal Balances	Carrying Charges to Dec 31, 2020	Total Balance, including carrying charges	Principal Balances	Carrying Charges to Dec 31, 2020	Total Balance, including carrying charges	
Group 2 Accounts							
Wireless Attachments	(0.6)	(0.0)	(0.7)	(0.6)	(0.0)	(0.7)	(0.0)
Stranded Meter Costs	(1.4)	0.0	(1.4)	(1.4)	0.0	(1.4)	0.0
Other Amounts							
Excess Expansion Deposits	(10.3)	(0.8)	(11.0)	(10.3)	(0.7)	(11.0)	(0.1)
Accounts Receivable Credits	(3.3)	(0.2)	(3.5)	(3.3)	(0.2)	(3.4)	(0.1)

Note: Variances due to rounding may exist.

D. REVIEW AND DISPOSITION OF GROUP 1 DVA BALANCES

Toronto Hydro requests OEB approval to clear through rate riders the balances in the Group 1 RSVAs, as well as accumulated balances in the LRAMVA. LRAMVA balances and rate riders are addressed separately in Section E.

In accordance with EDDVAR Report, the RSVA balances must be cleared if the amounts exceed the pre-set disposition threshold of $0.001 per kWh.[7] As shown in the Rate Model at Tab 3, Schedule 1, 2019 year-end balances exceed this threshold.

The proposed Group 1 clearances and supporting continuity schedules are set out in the Rate Model. Table 4 below summarizes the balances proposed for clearance.

Table 4 – Group 1 Balances for Clearance ($ Millions)

Account	Dec 31, 2019 Balance ($)	Carrying Charges (to Dec 31, 2020) ($)	Total For Clearance ($)
1550 – LV Variance Account	0.4	0.0	0.4
1551 – Smart Meter Entity Variance Account	(0.1)	(0.0)	(0.1)
1580 – RSVA WMS	(5.3)	(0.1)	(5.4)
1580 – RSVA WMS – Sub-account CBR Class B	(1.6)	(0.0)	(1.6)
1584 - RSVA Retail Transmission Network Charge	8.3	0.2	8.5
1586 - RSVA Retail Transmission Connection Charge	(5.7)	(0.1)	(5.8)
1588 - RSVA Power	9.3	0.1	9.4
1589 – RSVA Global Adjustment	18.6	1.0	19.6
1595 – RARA 2017	0.2	0.1	0.3

[7] EB-2008-0046, The Report of the Board on Electricity Distributors' Deferral and Variance Account Review Report (July 31, 2009) at page 10.

The Rate Model details the balances allocated to each rate class and shows the development of the proposed rate riders. Toronto Hydro proposes to clear the balance in all accounts over a 12-month period from January 1, 2021 through December 31, 2021. All rate riders were calculated using the 2019 RRR billing unit data.

Account 1595

Toronto Hydro proposes to clear the residual balance in Account 1595 - Disposition/Refund of Regulatory Balances for 2017. The Account 1595 Analysis Workform is filed at Tab 3, Schedule 3.

Wholesale Market Participants

Toronto Hydro allocated the DVA amounts proposed for clearance in accordance with the EDDVAR Report. The utility confirms that Wholesale Market Participants ("WMPs") are not subject to clearance of RSVA amounts for Power, Wholesale Market Services ("WMS") (including sub-account CBR Class B) or Global Adjustment ("GA"), and have not been included in the load/customer counts used to determine rate riders for these accounts.

Global Adjustment

The balances in the RSVA GA are allocated to non-RPP Class B customers only. Toronto Hydro used the Rate Model to address the GA for customers that transitioned between Class A and Class B during 2019. The GA Analysis Workform is filed at Tab 3, Schedule 2.

Commodity Accounts 1588 and 1589

Toronto Hydro implemented the OEB's February 21, 2019 accounting guidance for RSVA accounts 1588 Power and 1589 Global Adjustment effective from January 1, 2019.[8] As described below, Toronto Hydro confirms that it reviewed its 2017 and 2018 balances – which were previously approved on an interim basis – and found that no material

[8] Accounting Procedures Handbook Update - Accounting Guidance Related to Commodity Pass-Through Accounts 1588 & 1589 (February 21, 2019).

adjustments are necessary in the context of the new guidance. Therefore, Toronto Hydro requests disposition of the previously approved account balances on a final basis.

Review of Historical Balances Previously Disposed on an Interim Basis

The OEB's February 21, 2019 accounting guidance required the following updates to the 2017 and 2018 interim balances:

- true-up RPP and Non-RPP allocations based on actual billed usage; and
- true-up estimated to actual billed revenues.

The result of this true-up exercise is summarized in the tables below. Table 5 compares the approved and updated values for RSVA Power, and Table 6 compares the approved and updated values for RSVA GA. Toronto Hydro compared the variances between interim and true-up results to the materiality thresholds summarized in Table 7, which were calculated based on the supplemental 1588 and 1589 accounting guidance documentation.[9] All variances are within the OEB defined materiality thresholds.

Table 5: RSVA Power Interim vs True-Up Variance Based on 1588 and 1589 Accounting Guidance ($ Millions)

ENERGY	Submission Approved on Interim Basis		Update as per 1588 and 1589 Accounting Guidance (True-Up)		Variance	
	2017	2018	2017	2018	2017	2018
Energy Revenue	(1,176.03)	(1,230.65)	(1,178.99)	(1,225.15)	(2.96)	5.50
Energy Costs	1,172.69	1,225.22	1,176.58	1,224.73	3.89	(0.49)
RSVA Power	**(3.34)**	**(5.43)**	**(2.40)**	**(0.42)**	**0.94**	**5.01**

[9] Q&A's for Accounting Guidance on Accounts 1588 and 1589 (July 11, 2019) at page 8.

Table 6: RSVA GA Interim vs True Up Variance Based on 1588 and 1589 Accounting Guidance ($ Millions)

GLOBAL ADJUSTMENT	Submission Approved on Interim Basis		Update as per 1588 and 1589 Accounting Guidance (True-Up)		Variance	
	2017	2018	2017	2018	2017	2018
GA Revenue	(1,243.70)	(1,092.90)	(1,241.42)	(1,088.82)	2.28	4.07
GA Costs	1,250.26	1,069.00	1,249.74	1,065.10	(0.51)	(3.89)
RSVA GA	**6.55**	**(23.90)**	**8.32**	**(23.72)**	**1.77**	**0.18**

Table 7: Materiality Threshold Calculations for 2017 and 2018 RSVA Power and GA Accounts Based on Account 1588 and 1589 Q&A Guidance ($ Millions)

Year	Account	OEB Account used for Materiality Calculation	RRR Account Balance for Materiality Calculation	Percentage per Q&A Guidance	Materiality Threshold
2017	1588RSVA Power	4705 - Power Purchased	1,172.69	0.5%	5.86
2017	1589 RSVA GA	4707 - Charges - GA	1,283.76	0.5%	6.42
2018	1588 RSVA Power	4705 - Power Purchased	1,225.22	0.5%	6.13
2018	1589 RSVA GA	4707 - Charges - GA	1,129.36	0.5%	5.65

A certification by the Chief Financial Officer relating to the processes and controls in place for the preparation, review, verification, and oversight of account balances is filed at Tab 1, Schedule 3.

<u>Capacity Based Recovery (CBR)</u>

Toronto Hydro seeks clearance of the Class B Capacity Based Recovery ("CBR") balances to December 2019 through a separate rider as calculated by the Rate Model and in accordance with the OEB's CBR Accounting Guidance. Toronto Hydro used the Rate Model to address the CBR for customers that transitioned between Class A and Class B during 2019.

Other Adjustments and Variances

The balances proposed for clearance in this application match the account balances filed in the RRR, with the following exceptions:

- The final LRAMVA balance proposed for clearance was determined using the latest LRAMVA model and final 2018 and 2019 CDM results, which were unavailable at the time of filing the RRR.
- There is an immaterial and fully off-setting variance of $85,385 between the WMS - Sub-Account CBR Class B and RSVA – WMS accounts in the DVA Continuity as compared to the RRR filing.
- As discussed above, Toronto Hydro adjusted the 2019 RSVA Global Adjustment and RSVA Power principal balances for actual volumes and accrued versus actual revenue differences as per the 1588 and 1589 Accounting guidance from the OEB. The details of the RSVA Global Adjustment are outlined in the GA Analysis Workform at Tab 3, Schedule 2.

Toronto Hydro confirms that it has not made any other adjustments to balances and amounts previously approved by the OEB on a final basis.[10]

E. LOST REVENUE ADJUSTMENT MECHANISM VARIANCE ACCOUNT (LRAMVA)

In the Custom IR Decision, the OEB approved Toronto Hydro's proposal to dispose of the 2018 and 2019 audited LRAMVA balances in the 2021 rates update application.[11] Toronto Hydro seeks approval to clear these amounts as part of this application. Specifically, Toronto Hydro seeks approval to dispose of balances associated with the following:

- Incremental first-year lost revenues for 2018 and 2019; and
- Lost revenues in 2018 and 2019 resulting from CDM savings persistence from the years 2015 through 2018.

[10] Toronto Hydro notes that the balance in Account 1533, the Renewable Generation Connection Funding Adder Deferral Account, Sub-Account Provincial Rate Protection Payment Variances was adjusted from the previously approved forecast of -$6.6 million to -$6.1 million based on actual in-service additions. The revised amount was settled with the IESO.

[11] EB-2018-0165, Decision and Order (December 19, 2019) at page 173.

Where applicable, the 2018 and 2019 lost revenues were based on verified CDM savings results reported in the IESO's Final Verified Annual LDC CDM Program Results Report, which is filed at Tab 4, Schedule 1, Appendix A.[12] Toronto Hydro determined the proposed amounts for clearance using version 5 of the OEB's LRAMVA Workform. The amounts conform to the most recent LRAMVA guidelines,[13] and rely on the most recent CDM program input assumptions available at the time of program evaluation. Toronto Hydro applied the methodology previously approved by the OEB (e.g. EB-2018-0071) with adjustments to conform to the most recent OEB filing requirements. A copy of the LRAMVA Workform is filed at Tab 4, Schedule 1.

Table 8 below provides a summary of the principle amount and carrying charges by rate class, and the resultant riders. In accordance with section 3.2.6.1 of the Filing Requirements, Toronto Hydro submits that the 2018 and 2019 year-end LRAMVA balances are significant enough to merit clearance during the IRM period. Toronto Hydro proposes to clear the LRAMVA balance over a 12-month period, beginning January 1, 2021.

Table 8: LRAMVA Summary

Rate Class	Principle for Clearance ($)	Carrying Charges ($)	Total for Clearance ($)	Proposed Rate Rider ($/kWh or $/kVA)
Residential	4,470,735	170,431	4,641,165	0.00099
CSMUR	326,662	12,192	338,854	0.00122
GS<50kW	4,218,351	140,112	4,358,464	0.00185
GS 50-999kW	15,734,681	528,577	16,263,258	0.6523
GS 1000-4999kW	4,260,422	144,451	4,404,873	0.4280
Large User	2,990,891	101,305	3,092,196	0.6675

[12] Note that due to the size and nature of these documents, Toronto Hydro has filed this report and the Excel-based supporting documents (Appendices B, C, I, J) in Excel format only.
[13] EB-2014-0278, Conservation and Demand Management Requirement Guidelines for Electricity Distributors (updated August 11, 2016); Report of the OEB on Updated Policy for the Lost Revenue Adjustment Mechanism Calculation: Lost Revenues and Peak Demand Savings from Conservation and Demand Management Programs (May 19, 2016).

Additional Information Supporting 2018 and 2019 LRAMVA Balances

As noted in the OEB's Chapter 3 filing requirements, on March 20, 2019, the Minister of Energy, Northern Development and Mines issued separate directives to the OEB and the IESO; the directive to the IESO concluded the Conservation First Framework ("CFF") effective immediately. In the absence of final verified annual CDM program results for 2018 and 2019, and as specified in the OEB's Chapter 3 filing requirements, Toronto Hydro used the following additional information to determine the LRAMVA balances:

1. the **IESO's Participation and Cost Reports** for January 1, 2018 through April 15, 2019 (Tab 4, Schedule 1, Appendix B);[14] these reports include incremental first-year energy savings;[15]

2. the **Detailed Project-Level Savings** files that the IESO relied upon to generate the Participation and Cost Reports (Tab 4, Schedule 1, Appendix C);[16]

3. third-party **Measurement and Verification Reports** for specific projects under the Process and System Upgrades Program, which is not captured in the IESO's Participation and Cost Reports (Tab 4, Schedule 1, Appendices D-H); and

4. for savings to December 31, 2019 that are related to CFF programs, project-level savings for projects that were completed within the 2015-2019 period which a distributor is contractually obligated to complete. For the **Retrofit Projects** (Tab 4, Schedule 1, Appendix I), energy savings and demand reductions are based on the list of projects for which Toronto Hydro paid incentives to customers and which had their status updated to "Project Closed" in CDM-IS system post March 1,

[14] Toronto Hydro has filed the reports in Excel format.
[15] Incentives for projects paid up to the end of February 2019 were settled with the IESO by March 15, 2019 and the energy savings and demand reduction of these projects were included in the Participation and Cost Report issued by the IESO in April 2019. This was the final Participation and Cost Report issued by the IESO.
[16] Toronto Hydro has filed the report in Excel format.

2019. For **non-Retrofit CFF Projects** (Tab 4, Schedule 1, Appendix J), savings are based on the list of projects for which Toronto Hydro has paid incentives and submitted project-level details to the IESO.

Toronto Hydro confirms that the calculated savings persistence and net-to-gross factors used to derive net savings by program are based on the 2017 Final Verified Annual LDC CDM Program results.

F. TAX CHANGES

Toronto Hydro confirms that there have been no applicable legislated tax changes since its last rebasing application (EB-2018-0165).

G. RETAIL TRANSMISSION SERVICE RATES

Toronto Hydro seeks to set 2021 Retail Transmission Service Rates based on the OEB's guidance set out in the June 28, 2012 revision of the OEB's Guideline G-2008-0001: Electricity Distribution Retail Transmission Service Rates ("RTSR"), Revision 4.0. Toronto Hydro used the current OEB-approved Uniform Transmission Rates ("UTR") and the Rate Model for calculating the RTSRs. The utility anticipates that the OEB will update the requested RTSRs to reflect the approved 2021 Uniform Transmission Rates when those rates become available.

H. OTHER RATES AND CHARGES

Toronto Hydro requests continuation of the various rate riders approved in EB-2018-0165, in accordance with their respective effective and termination dates, and of the other rates and charges approved in that application, including the Specific Service Charges and Loss Factors. Toronto Hydro is proposing to decrease the monthly service charge for the microFIT Generator Service Classification from $5.33 to $4.49 per 30 days,

based on the updated province-wide charge.[17] Toronto Hydro is not applying for a deferral account to track the impact of the reduction as it is not expected to be material.

Toronto Hydro has updated its Retail Service Charges and Specific Charge for access to the Power Poles (Wireline Attachments) in the Rate Model using the current OEB approved inflation factor for 2020 of 2.0%. Toronto Hydro proposes to update these charges with the 2021 inflation factor as part of the Draft Rate Order.

I. 2021 TARIFF SHEET

Toronto Hydro seeks an Order for final approval of the rates and charges as set out in the 2021 Tariff Sheet, which is filed at Tab 6, Schedule 2.

J. 2021 BILL IMPACTS

The anticipated 2021 Bill Impacts are filed at Tab 5, Schedule 1. Table 9 below provides a summary of the total bill impacts for a typical customer in each rate class.

Table 9: Summary of Total Bill Impacts

Rate Classes	$/30 days	%
Residential (750 kWh, TOU RPP)	$0.56	0.5%
Competitive Sector Multi Unit Residential (300 kWh, TOU RPP)	$0.80	1.3%
General Service <50 kW (2,000 kWh, TOU RPP)	$3.40	1.0%
General Service 50-999 kW (200 kVA, Spot)	$315.50	2.0%
General Service 1,000-4,999 kW (2,000 kVA, Spot)	$3,004.52	1.7%
Large User (9,700kVA, Spot, Class A)	$4,895.77	0.6%
Unmetered Scattered Load (285 kWh, RPP)	$0.35	0.6%
Street Lighting (2,700 kVA, Spot, Class B)	$4,098.31	1.4%

[17] Review of Fixed Monthly Charge for microFIT Generator Service Classification OEB File Numbers EB-2009-0326 and EB-2010-0219 (Feb. 24, 2020).

Summary of changes in the IRM Model

No.	Tab	Cell Reference	Description
1	4. Billing Det. for Def-Var	T17, T18	Changed to reflect the correct number of customers in the rate class.
2	6.1a GA Allocation	C19 : C23, D19:D20	Formula is used, since no macro is used in the model.
3	6.1 GA	C17 : C25	Formula is used, since no macro is used in the model.
4	6.2a CBR B Allocation	C19 : C23, D19 : D20	Formula is used, since no macro is used in the model.
5	6.2 CBR B	C17 : D25	Formula is used, since no macro is used in the model.
6	6.2 CBR B	M17 : M25	Formula is used, since no macro is used in the model.
7	7. Calculation of Def-Var RR	I17 : K19, I24 : K24	Rounding off to five decimal instead of four decimal.
8	7. Calculation of Def-Var RR	I20 : K22, I25 : K25	Modified to change to rate per 30 days.
9	10 RTSR Current Rates	D17 : D22, D29, D30	Changed the rate from four decimal to five decimal.
10	15. RTSR Rates to Forecast	G20 : G22, G24, G32 : G34, G36, G44 : G46, G48, G56 : G58, G60 J20 : J22, J24, J32 : J34, J36, J44 : J46, J48, J56 : J58, J60	Modified since Toronto Hydro rates are per 30 days.
11	15. RTSR Rates to Forecast	J41 : J43, J47, J53 : J55, J59	Rounding off to five decimal instead of four decimal.
12	16. Rev2Cost_GDPIPI	G17 : H29	Modified to add rounding off.
13	16. Rev2Cost_GDPIPI	D13	Formula modified as per the Toronto Hydro CIR formula.
14	16. Rev2Cost_GDPIPI	D19, D27	Changed the rate from four decimal to five decimal.
15	16. Rev2Cost_GDPIPI	H12 : K14	Add the data point to accommodate the Torotno Hydro CIR formula.
16	16. Rev2Cost_GDPIPI	A28 : H28	The row is added since Toronto Hydro Unmetered Scattered Load class has three tier rates (Connection, Customer, kWh).
17	16. Rev2Cost_GDPIPI	A24 : H26	The three rows are added to include variable charges related to standby charges.

Instructions for Tabs 1, 3 to 7

	Summary of Changes from the Prior Year
1	Questions are revised on tab 1. The continuity schedule in tab 3 will open starting from the year balances were last approved for disposition, unless the last approved dipsosition was on an interim basis and there are changes to those balances. If that is the case, tab 3 will open from the year of last approved disposition on a final basis. A distributor must also provide an explanation for the change in the previously approved balance.
2	In the continuity schedule on tab 3, the option on whether Accounts 1588 and 1589 is requested for disposition has been removed. It is expected that Accounts 1588 and 1589 are to be disposed unless there is a reason it should not be. If that is the case, contact the Case Manager.
3	Footnote #4 in tab 3 has been revised to clarify that the amount in the "Transactions" column in the DVA Continuity Schedule are to equal the transactions in the General Ledger (excluding any amounts approved for disposition, which is shown separately in the "OEB Approved Disposition" columns). Any true-ups/adjustments/reversals needed to derive the claim amount must be shown separately in the "Principal Adjustments" columns of this DVA Continuity Schedule.

Detailed Instructions for Each Tab

Tab	Tab Details	Step	Details
1 - Information Sheet	This tab shows some information pertaining to the utility and the application.	1	Complete the information sheet. a) Questions 2 to 4 Responses to questions 2 to 4 will open the DVA continuity schedule in tab 3 to the appropriate year that DVA balances should first be inputted. The continuity schedule will open starting from the year balances were last approved for disposition, unless the last approved dipsosition was on an interim basis and there are changes to those balances. If that is the case, the continuity schedule will open from the year of last approved disposition on a final basis. A distributor must also provide an explanation for the change in the previously approved balance. b) Questions 5 and 6 If the response to question 5 (GA) or 6 (CBR Class B) is yes, tab 6 relating to Class A customers' consumption will be generated. If the response to question 6 is yes, then tab 6.2 will also be generated. This tab will allocate and dispose the balance in Account 1580, sub-account CBR Class B through a separate rate rider using information inputted in tab 6, unless a rate rider is not produced. If the response to question 6 is no, then the balance in the Account 1580, sub-account CBR Class B will be allocated and disposed with Account 1580 WMS, as part of the general DVA rate rider
3 - Continuity Schedule	This tab is the continuity schedule that shows all the accounts and the accumulation of the balances a utility has.	2	Complete the DVA continuity schedule. a) For all Group 1 accounts, except Account 1595: The continuity schedule will open from the year the GL balance was last disposed. Start inputting the approved ending balances in the Adjustments column of that year. *For example, if in the 2020 rate application, DVA balances as at December 13, 2018 were approved for disposition, the continuity schedule will commence from 2018. Start by inputting the approved closing 2018 balances in the Adjustments column under 2018.* b) For all Account 1595 sub-accounts: Complete the DVA continuity schedule for each Account 1595 vintage year that has a GL balance as at December 31, 2019, regardless of whether the account is being requested for disposition in the current application. The continuity schedule will open in the year of the earliest Account 1595 vintage year that has a balance. For each Account 1595 sub-account, start inputting data from the year the sub-account started to accumulate a balance (i.e. the vintage year). *For example, Account 1595 (2015) would accumulate a balance starting in 2015, when the relevant balances approved for disposition were first transferred into Account 1595 (2015). Input the amount approved for disposition in the OEB Approved Disposition column.* *Note that the DVA continuity schedule can currently start from 2014. If a utility has residual balance in an Account 1595 with a vintage year prior to 2014, include residual balances for years up to 2014 in the row for Account 1595 (2014 and pre-2014) and provide a separate schedule with amounts broken down by vintage year.*
		3	Review any balance variance between the DVA continuity schedule and the RRR in column BW. Provide an explanation, if necessary.
4 - Billing Determinant	This tab shows the billing determinants that will be used to allocate account balances and calculate rate riders.	4	Confirm the accuracy of the RRR data used to populate the tab.
		5	Review the disposition threshold calculation. Select whether disposition is being requested or not in the drop down box.

6 - Class A Data Consumption	This tab is to be completed if there were any Class A customers at any point during the period the GA balance or CBR Class B accumulated. The data on this tab is used for the purposes of determining the GA rate rider, CBR Class B rate rider (if applicable), as well as customer specific GA and CBR charges for transition customers (if applicable).	6 7 8 9	This tab is generated when the utility selects yes to questions 5 or 6 in tab 1, indicating they had Class A customers during the period that the GA or CBR balance accumulated. Under #2a, indicate whether the utility had any customers that transitioned between Class A and B during the period the Account 1589 GA balance accumulated. If yes, tab 6.1a will be generated. Under #2b, indicate whether the utility had any customers that transitioned between Class A and B during the period the Account 1580, sub-account CBR Class B balance accumulated. If yes, tab 6.2a will be generated. Under #3a, enter the number of transition customers the utility had during the period the Account 1589 GA or Account 1580 CBR B balances accumulated. A table will be generated based on the number of customers. Complete the table accordingly for each transition customer identified (i.e. kWh/kW for half year periods, and the customer class during the half year). This data will automatically be used in the GA balance and CBR Class B balance allocation to transition customers in tabs 6.1a and 6.2a respectively. This data will also be used in the calculation of billing determinants for GA and CBR Class B balances, as applicable. Note that each transition customer identified in tab 6, table 3a will be assigned a customer number and the number will correspond to the same transition customer populated in tabs 6.1a and 6.2a. Also note that the transition customers identified for the GA may be different than those for CBR Class B. This would depend on the period in which the GA and CBR Class B balances accumulated. Under #3b, enter the number of rate classes in which there were full year Class A customers during the period the Account 1589 GA balance or Account 1580 CBR Class B balance accumulated. A table will be generated based on the number of rate classes. Complete the table accordingly for each rate class identified (i.e. total Class A consumption in the rate class identified for each year). This data will be used in the calculation of billing determinants for GA and CBR Class B, as applicable.
6.1a - GA Allocation	This tab allocates the GA balance to each transition customer for the period in which these customers were Class B customers and contributed to the GA balance (i.e. former Class B customers but are now Class A customers and former Class A customers who are now Class B customers).	10	This tab is generated when the utility indicates that they had transition customers in tab 6, #2a during the period the Account 1589 GA balance accumulated. In row 20, enter the Non-RPP consumption less WMP consumption. The rest of the information in this tab will be auto-populated and will calculate the customer specific allocation of the GA balance to transition customers in the bottom table. All transition customers who are allocated a specific GA amount are not to be charged the general Non-RPP Class B GA rate rider as calculated in tab 6.1.
6.1 - GA	This tab calculates the GA rate rider to be applied to all non-RPP Class B customers (except for the transition customers allocated a customer specific balance in tab 6.1a).	11	Enter the proposed rate rider recovery period if different than the default 12 month period. The rest of the information in the tab is auto-populated and the GA rate riders are calculated accordingly based on whether there were any transition customers during the period that the GA balance accumulated.
6.2a - CBR_B Allocation	This tab allocates the CBR Class B balance to each transition customer for the period in which these customers were Class B customers and contributed to the CBR Class B balance (i.e. former Class B customers but are now Class A customers and former Class A customers who are now Class B).	12	This tab is generated when the utility indicates that they had transition customers in tab 6, #2b during the period where the CBR Class B balance accumulated. In row 19, enter the total Class B consumption less WMP consumption. The rest of the information in this tab will be auto-populated and will calculate the customer specific allocation of the CBR Class B balance to transition customers in the bottom table. All transition customers who are allocated a specific CBR Class B amount are not to be charged the general CBR Class B rate rider.
6.2 - CBR	This tab calculates the CBR Class B rate rider if there were Class A customers at any point during the period that the CBR Class B balance accumulated.	13	This tab is generated when the response to question 6 in tab 1 is "yes", indicating that they had Class A customers during the period that Account 1580, sub-account CBR Class B balance accumulated. No input is required in this tab. The information in the tab is auto-populated and the CBR Class B rate riders are calculated accordingly. If a rate rider is not produced, the entire Account 1580 CBR Class B balance, including the amount allocated to transition customers will be transferred to Account 1580 WMS, to be disposed through the general Group 1 DVA rate rider.
5 - Allocating Def-Var Balances	This tab allocates the Group 1 balances, except GA and CBR Class B (if Class A customers exist).	14	Review the allocated balances to ensure the allocation is appropriate. Note that the final allocation for Account 1580, sub-account CBR Class B is calculated after the completion of tabs 6 to 6.2a.
7 - Calculation of Def-Var RR	This tab calculates the Group 1 rate riders, except for GA and CBR Class B (if Class A customers exist)	15	Enter the proposed rate rider recovery period if different than the default 12 month period. The rest of the information in the tab is auto-populated and the rate riders are calculated accordingly .

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

Version 1.0

Utility Name	Toronto Hydro-Electric System Limited
Assigned EB Number	EB-2020-0057
Name of Contact and Title	
Phone Number	
Email Address	
We are applying for rates effective	January-01-21
Rate-Setting Method	**Price Cap IR**
1. Select the last Cost of Service rebasing year.	**2020**
2. For Accounts 1588 and 1589, please indicate the year the accounts were last disposed on a final basis.	2016
a) If the accounts were last approved on a final basis, select the year that the balance was last approved on a final basis. **b) If the accounts were last approved on an interim basis, and** **i) there are no changes to the previously approved interim balances, select the year that the balances were last approved for diposition on an interim basis.** **ii) there are changes to the previously approved interim balances, select the year that the balances were last approved for disposition on a final basis.** **(e.g. If 2017 balances reviewed in the 2019 rate application were to be selected, select 2017.)**	**2018**
3. For the remaining Group 1 DVAs, please indicate the year the accounts were last disposed on a final basis.	2016
a) If the accounts were last approved on a final basis, select the year that the balance was last approved on a final basis. **b) If the accounts were last approved on an interim basis, and** **i) there are no changes to the previously approved interim balances, select the year that the balances were last approved for diposition on an interim basis.** **ii) If there are changes to the previously approved interim balances, select the year that the balances were last approved for disposition on a final basis.**	**2018**
4. Select the earliest vintage year in which there is a balance in Account 1595. ***(e.g. If 2016 is the earliest vintage year in which there is a balance in a 1595 sub-account, select 2016.)***	**2016**
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: Toronto Hydro-Electric System Limited is:	**Transmission Connected**
8. Have you transitioned to fully fixed rates?	**Yes**

Legend

- Pale green cells represent input cells.
- Pale blue cells represent drop-down lists. The applicant should select the appropriate item from the drop-down list.
- Red cells represent flags to identify either non-matching values or incorrect user selections.
- Pale grey cells represent auto-populated RRR data.
- White cells contain fixed values, automatically generated values or formulae.

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

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

Incentive Rate-setting Mechanism Rate Generator for 2021 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.

		2016										2017									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2016	Transactions Debit / (Credit) during 2016	OEB-Approved Disposition during 2016	Principal Adjustments[1] during 2016	Closing Principal Balance as of Dec 31, 2016	Opening Interest Amounts as of Jan 1, 2016	Interest Jan 1 to Dec 31, 2016	OEB-Approved Disposition during 2016	Interest Adjustments[1] during 2016	Closing Interest Amounts as of Dec 31, 2016	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	2,127,459	312,025	1,192,584		1,246,899	70,940	15,001	64,774		21,166	1,246,899	394,328	934,874		706,353	21,166	6,808	19,906		8,068
Smart Metering Entity Charge Variance Account	1551	127,611	(379,776)	435,919		(688,084)	12,957	14,090	16,147		10,900	(688,084)	(113,182)	(308,308)		(492,958)	10,900	(15,080)	(7,181)		3,001
RSVA - Wholesale Market Service Charge[5]	1580	(157,236,144)	(26,035,861)	0		(183,272,005)	(5,641,062)	(1,776,861)	0		(7,417,923)	(183,272,005)	(25,199,715)	(157,236,144)		(51,235,576)	(7,417,923)	(555,630)	(7,370,570)		(602,984)
Variance WMS – Sub-account CBR Class A[5]	1580	554,306		554,306		0	1,757		1,757		0	0				0	0				0
Variance WMS – Sub-account CBR Class B[5]	1580	5,967,910	1,535,334			7,503,244	19,743	14,282	19,743		14,282	7,503,244	524,231	5,967,910		2,059,564	14,282	20,888	85,385		(50,215)
RSVA - Retail Transmission Network Charge	1584	66,750,305	(16,414,401)			50,335,904	2,722,331	664,278			3,386,608	50,335,904	8,096,178	66,750,305		(8,318,223)	3,386,608	(83,173)	3,456,545		(153,109)
RSVA - Retail Transmission Connection Charge	1586	35,536,950	(29,949,890)			5,587,061	1,357,063	271,369			1,628,432	5,587,061	8,333,125	35,536,950		(21,616,765)	1,628,432	(278,307)	1,747,948		(397,823)
RSVA - Power[4]	1588	(22,433,618)	(4,099,996)		(804,747)	(27,338,361)	(261,729)	(265,904)			(527,633)	(27,338,361)	(3,337,116)	(22,433,618)		(8,241,858)	(527,633)	(93,593)	(508,477)		(112,749)
RSVA - Global Adjustment[4]	1589	94,368,616	(14,088,418)		804,747	81,084,945	3,811,180	1,131,533			4,942,712	81,084,945	56,920,194	94,368,616		43,636,523	4,942,712	274,057	4,812,604		404,166
Disposition and Recovery/Refund of Regulatory Balances (2014 and pre-2014)[3]	1595	(2,641,804)		(2,737,694)		95,890	899,421	(105,194)	847,748		(53,521)	95,890		95,890		(0)	(53,521)		(53,433)		(88)
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595	0				0	0				0	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595	0	8,704,230	(45,304,160)		54,008,390	0	(28,061)	(131,074)		103,013	54,008,390	(13,829,257)			40,179,133	103,013	(18,718)		(993,537)	(909,242)
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	0				0	0				0	0	2,791,740			2,791,740	0	142,065			142,065
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	0				0	0				0	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3] Refer to the Filing Requirements for disposition eligibility.	1595	0				0	0				0	0				0	0				0
RSVA - Global Adjustment	**1589**	94,368,616	(14,088,418)	0	804,747	81,084,945	3,811,180	1,131,533	0	0	4,942,712	81,084,945	56,920,194	94,368,616	0	43,636,523	4,942,712	274,057	4,812,604	0	404,166
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(71,247,026)	(66,328,336)	(45,859,045)	(804,747)	(92,521,064)	(818,579)	(1,197,000)	819,096	0	(2,834,676)	(92,521,064)	(22,339,668)	(70,692,141)	0	(44,168,591)	(2,834,676)	(874,740)	(2,629,877)	(993,537)	(2,073,076)
Total Group 1 Balance		23,121,590	(80,416,753)	(45,859,045)	0	(11,436,118)	2,992,600	(65,468)	819,096	0	2,108,037	(11,436,118)	34,580,526	23,676,474	0	(532,067)	2,108,037	(600,683)	2,182,727	(993,537)	(1,668,911)
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**	9,112,988	4,319,627	3,452,615	1,278,369	11,258,369	216,135	109,612	131,074		194,673	11,258,369	9,612,739	4,810,834		16,060,274	194,673	156,370	139,236		211,807
Total including Account 1568		32,234,578	(76,097,127)	(42,406,430)	1,278,369	(177,750)	3,208,736	44,144	950,170	0	2,302,709	(177,750)	44,193,265	28,487,308	0	15,528,207	2,302,709	(444,312)	2,321,963	(993,537)	(1,457,103)

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

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

2 1) If the LDC's rate year begins on January 1, 2021, the projected interest is recorded from January 1, 2020 to December 31, 2020 on the December 31, 2019 balances adjusted to remove balances approved for disposition in the 2020 rate decision.
2) If the LDC's rate year begins on May 1, 2021, the projected interest is recorded from January 1, 2020 to April 30, 2021 on the December 31, 2019 balances adjusted to remove balances approved for disposition in the 2020 rate decision.

3 The individual sub-accounts as well as the total for all Account 1595 sub-accounts is to agree to the RRR data. Differences need to be explained. For each Account 1595 sub-account, the transfer of the balance approved for disposition into Account 1595 is to be recorded in "OEB Approved Disposition" column. The recovery/refund is to be recorded in the "Transaction" column. Any vintage year of Account 1595 is only to be disposed once on a final basis. No further dispositions of these accounts are generally expected thereafter, unless justified by the distributor.

Refer to Filing Requirements for disposition eligibility of the sub-accounts. Select "yes" column BU if the sub-account is requested for disposition. Note that Accounts 1595 (2018) and (2019) will not be eligible for disposition in the 2021 rate application.

4 New accounting guidance effective January 1, 2019 for Accounts 1588 and 1589 was issued Feb. 21, 2019 titled Accounting Procedures Handbook Update - Accounting Guidance Related to Commodity Pass-Through Accounts 1588 & 1589. The amount in the "Transactions" column in this DVA Continuity Schedule are to equal the transactions in the General Ledger (excluding any amounts approved for disposition, which is shown separately in the "OEB Approved Disposition" columns). Any true-ups/adjustments/reversals needed to derive the claim amount must be shown separately in the "Principal Adjustments" columns of this DVA Continuity Schedule.

5 RRR balance for Account 1580 RSVA - Wholesale Market Service Charge should equal to the control account as reported in the RRR. This would include the balance for Account 1580,Variance WMS – Sub-account CBR Class B.

Incentive Rate-setting Mechanism Rate Generator for 2021 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.

		2018										2019									
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	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	706,353	320,000	312,025	0	714,328	8,068	10,579	5,861		12,787	714,328	396,112	394,328		716,112	12,787	11,213	9,276		14,724
Smart Metering Entity Charge Variance Account	1551	(492,958)	(727,042)	(379,776)	0	(840,224)	3,001	(1,169)	13,241		(11,409)	(840,224)	(40,665)	(113,182)		(767,707)	(11,409)	(37,331)	(19,076)		(29,664)
RSVA - Wholesale Market Service Charge[5]	1580	(51,235,576)	(4,206,092)	(26,035,862)	0	(29,405,806)	(602,984)	(497,277)	(498,414)		(601,847)	(29,405,806)	(5,295,316)	(25,199,715)		(9,501,407)	(601,847)	(76,409)	(556,274)		(121,982)
Variance WMS – Sub-account CBR Class A[5]	1580	0	0	0	0	0	0	0	0		0	0				0	0				0
Variance WMS – Sub-account CBR Class B[5]	1580	2,059,564	(570,685)	1,535,334	0	(46,455)	(50,215)	6,908	(52,680)		9,373	(46,455)	(1,587,252)	524,231		(2,157,938)	9,373	(22,804)	11,862		(25,293)
RSVA - Retail Transmission Network Charge	1584	(8,318,223)	8,947,315	(16,414,402)	0	17,043,495	(153,109)	200,783	(205,715)		253,388	17,043,495	8,275,362	8,096,178		17,222,678	253,388	281,455	197,730		337,113
RSVA - Retail Transmission Connection Charge	1586	(21,616,765)	17,363,768	(29,949,890)	0	25,696,892	(397,823)	277,670	(446,320)		326,167	25,696,892	(5,718,031)	8,333,125		11,645,737	326,167	350,504	197,868		478,803
RSVA - Power[4]	1588	(8,241,858)	(5,431,100)	(4,904,742)		(8,768,216)	(112,749)	(152,662)	(98,572)		(166,840)	(8,768,216)	(2,501,345)	(3,337,116)	11,758,216	3,825,770	(166,840)	(127,472)	(73,995)		(220,317)
RSVA - Global Adjustment[4]	1589	43,636,523	(23,898,524)	(13,283,671)	(50,366,169)	(17,344,499)	404,166	274,390	57,211	(127,587)	493,758	(17,344,499)	8,529,428	6,554,025	10,097,236	(5,271,859)	493,758	136,361	341,438		288,680
Disposition and Recovery/Refund of Regulatory Balances (2014 and pre-2014)[3]	1595	(0)				(0)	(88)				(88)	(0)				(0)	(88)				(88)
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595	0				0	0				0	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595	40,179,133	(14,888,043)			25,291,090	(909,242)	(91,080)			(1,000,322)	25,291,090	(21,877,042)			3,414,048	(1,000,322)	(4,307)			(1,004,629)
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	2,791,740	(2,695,385)			96,355	142,065	(35,114)			106,951	96,355	90,525			186,880	106,951	(45,301)			61,650
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	0	(6,348,433)			(6,348,433)	0	(711,779)			(711,779)	(6,348,433)	5,866,559			(481,874)	(711,779)	5,230			(706,549)
Disposition and Recovery/Refund of Regulatory Balances (2019)[3] Refer to the Filing Requirements for disposition eligibility.	1595	0				0	0				0	0	(12,808)			(12,808)	0	(67,869)			(67,869)
RSVA - Global Adjustment	**1589**	43,636,523	(23,898,524)	(13,283,671)	(50,366,169)	(17,344,499)	404,166	274,390	57,211	(127,587)	493,758	(17,344,499)	8,529,428	6,554,025	10,097,236	(5,271,859)	493,758	136,361	341,438	0	288,680
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(44,168,591)	(8,235,698)	(75,837,313)	0	23,433,025	(2,073,076)	(993,140)	(1,282,599)	0	(1,783,618)	23,433,025	(22,403,902)	(11,302,151)	11,758,216	24,089,491	(1,783,618)	266,907	(232,609)	0	(1,284,102)
Total Group 1 Balance		(532,067)	(32,134,222)	(89,120,985)	(50,366,169)	6,088,526	(1,668,911)	(718,751)	(1,225,388)	(127,587)	(1,289,860)	6,088,526	(13,874,473)	(4,748,127)	21,855,452	18,817,631	(1,289,860)	403,267	108,829	0	(995,422)
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**	16,060,274	18,290,141	6,447,545		27,902,870	211,807	410,304	121,812		500,299	27,902,870	18,121,716	12,048,215	(1,974,629)	32,001,742	500,299	717,424	295,181	(265,498)	657,044
Total including Account 1568		15,528,207	(13,844,082)	(82,673,440)	(50,366,169)	33,991,396	(1,457,103)	(308,446)	(1,103,576)	(127,587)	(789,561)	33,991,396	4,247,242	7,300,088	19,880,823	50,819,373	(789,561)	1,120,691	404,010	(265,498)	(338,378)

$1,226,675.25

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

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

2 1) If the LDC's rate year begins on January 1, 2021, the projected interest is recorded from January 1, 2020 to December 31, 2020 on the December 31, 2019 balances adjusted to remove balances approved for disposition in the 2020 rate decision.
2) If the LDC's rate year begins on May 1, 2021, the projected interest is recorded from January 1, 2020 to April 30, 2021 on the December 31, 2019 balances adjusted to remove balances approved for disposition in the 2020 rate decision.

3 The individual sub-accounts as well as the total for all Account 1595 sub-accounts is to agree to the RRR data. Differences need to be explained. For each Account 1595 sub-account, the transfer of the balance approved for disposition into Account 1595 is to be recorded in "OEB Approved Disposition" column. The recovery/refund is to be recorded in the "Transaction" column. Any vintage year of Account 1595 is only to be disposed once on a final basis. No further dispositions of these accounts are generally expected thereafter, unless justified by the distributor.

Refer to Filing Requirements for disposition eligibility of the sub-accounts. Select "yes" column BU if the sub-account is requested for disposition. Note that Accounts 1595 (2018) and (2019) will not be eligible for disposition in the 2021 rate application.

4 New accounting guidance effective January 1, 2019 for Accounts 1588 and 1589 was issued Feb. 21, 2019 titled Accounting Procedures Handbook Update - Accounting Guidance Related to Commodity Pass-Through Accounts 1588 & 1589. The amount in the "Transactions" column in this DVA Continuity Schedule are to equal the transactions in the General Ledger (excluding any amounts approved for disposition, which is shown separately in the "OEB Approved Disposition" columns). Any true-ups/adjustments/reversals needed to derive the claim amount must be shown separately in the "Principal Adjustments" columns of this DVA Continuity Schedule.

5 RRR balance for Account 1580 RSVA - Wholesale Market Service Charge should equal to the control account as reported in the RRR. This would include the balance for Account 1580,Variance WMS – Sub-account CBR Class B.

Incentive Rate-setting Mechanism Rate Generator for 2021 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.

		2020				Projected Interest on Dec-31-2019 Balances					2.1.7 RRR[5]		
Account Descriptions	Account Number	Principal Disposition during 2020 - instructed by OEB	Interest Disposition during 2020 - instructed by OEB	Closing Principal Balances as of Dec 31, 2019 Adjusted for Disposition during 2020	Closing Interest Balances as of Dec 31, 2019 Adjusted for Disposition during 2020	Projected Interest from Jan 1, 2020 to Dec 31, 2020 on Dec 31, 2019 balance adjusted for disposition during 2020 [2]	Projected Interest from Jan 1, 2021 to Apr 30, 2021 on Dec 31, 2019 balance adjusted for disposition during 2020 [2]	Total Interest	Total Claim	Account Disposition: Yes/No?	As of Dec 31, 2019	Variance RRR vs. 2019 Balance *(Principal + Interest)*	
Group 1 Accounts													
LV Variance Account	1550	320,000	11,866	396,112	2,858	6,609		9,467	405,579		730,835	(1)	Please provide an explanation of the variance in the Manager's Summary
Smart Metering Entity Charge Variance Account	1551	(727,042)	(14,320)	(40,665)	(15,344)	(3,201)		(18,545)	(59,210)		(797,366)	5	Please provide an explanation of the variance in the Manager's Summary
RSVA - Wholesale Market Service Charge[5]	1580	(4,206,092)	(155,387)	(5,295,316)	33,405	(88,093)		(54,688)	(5,350,003)		(11,806,620)	(2,183,231)	The variance does not match the value in cell BV25. Please provide an explanation of the variance in the Manager's Summary
Variance WMS – Sub-account CBR Class A[5]	1580	0	0	0	0			0	0		0	0	
Variance WMS – Sub-account CBR Class B[5]	1580	(570,686)	(17,389)	(1,587,252)	(7,904)	(23,898)		(31,802)	(1,619,055)		(2,097,846)	85,385	Please provide an explanation of the variance in the Manager's Summary
RSVA - Retail Transmission Network Charge	1584	8,947,316	289,258	8,275,362	47,855	146,295		194,150	8,469,512		17,559,791	(0)	
RSVA - Retail Transmission Connection Charge	1586	17,363,768	581,638	(5,718,031)	(102,835)	(15,535)		(118,370)	(5,836,401)		12,124,539	(0)	
RSVA - Power[4]	1588	(5,431,100)	(234,642)	9,256,871	14,325	107,549		121,873	9,378,744		(8,152,763)	(11,758,216)	Please provide an explanation of the variance in the Manager's Summary
RSVA - Global Adjustment[4]	1589	(23,898,523)	(471,631)	18,626,664	760,311	169,285		929,596	19,556,260		(15,080,415)	(10,097,235)	Please provide an explanation of the variance in the Manager's Summary
Disposition and Recovery/Refund of Regulatory Balances (2014 and pre-2014)[3]	1595			(0)	(88)			(88)	0	**No**	0	88	Please provide an explanation of the variance in the Manager's Summary
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595			0	0			0	0	**No**	0	0	
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595			3,414,048	(1,004,629)			(1,004,629)	0	**No**	2,409,419	0	
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595			186,880	61,650			61,650	248,530	**Yes**	248,531	0	
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595			(481,874)	(706,549)			(706,549)	0	**No**	(1,188,423)	0	
Disposition and Recovery/Refund of Regulatory Balances (2019)[3] Refer to the Filing Requirements for disposition eligibility.	1595			(12,808)	(67,869)			(67,869)	0	**No**	(80,677)	0	
RSVA - Global Adjustment	**1589**	(23,898,523)	(471,631)	18,626,664	760,311	169,285	0	929,596	19,556,260		(15,080,415)	(10,097,235)	
Total Group 1 Balance excluding Account 1589 - Global Adjustment		15,696,165	461,024	8,393,326	(1,745,126)	129,727	0	(1,615,399)	5,637,697		11,047,265	(11,758,124)	
Total Group 1 Balance		(8,202,359)	(10,607)	27,019,990	(984,815)	299,012	0	(685,803)	25,193,957		(4,033,150)	(21,855,359)	
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**			32,001,742	657,044	440,024		1,097,068	33,098,810		34,879,171	2,220,385	Please provide an explanation of the variance in the Manager's Summary
Total including Account 1568		(8,202,359)	(10,607)	59,021,731	(327,771)	739,036	0	411,265	58,292,767		30,846,021	(19,634,974)	

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

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

2 1) If the LDC's rate year begins on January 1, 2021, the projected interest is recorded from January 1, 2020 to December 31, 2020 on the December 31, 2019 balances adjusted to remove balances approved for disposition in the 2020 rate decision.
2) If the LDC's rate year begins on May 1, 2021, the projected interest is recorded from January 1, 2020 to April 30, 2021 on the December 31, 2019 balances adjusted to remove balances approved for disposition in the 2020 rate decision.

3 The individual sub-accounts as well as the total for all Account 1595 sub-accounts is to agree to the RRR data. Differences need to be explained. For each Account 1595 sub-account, the transfer of the balance approved for disposition into Account 1595 is to be recorded in "OEB Approved Disposition" column. The recovery/refund is to be recorded in the "Transaction" column. Any vintage year of Account 1595 is only to be disposed once on a final basis. No further dispositions of these accounts are generally expected thereafter, unless justified by the distributor.

Refer to Filing Requirements for disposition eligibility of the sub-accounts. Select "yes" column BU if the sub-account is requested for disposition. Note that Accounts 1595 (2018) and (2019) will not be eligible for disposition in the 2021 rate application.

4 New accounting guidance effective January 1, 2019 for Accounts 1588 and 1589 was issued Feb. 21, 2019 titled Accounting Procedures Handbook Update - Accounting Guidance Related to Commodity Pass-Through Accounts 1588 & 1589. The amount in the "Transactions" column in this DVA Continuity Schedule are to equal the transactions in the General Ledger (excluding any amounts approved for disposition, which is shown separately in the "OEB Approved Disposition" columns). Any true-ups/adjustments/reversals needed to derive the claim amount must be shown separately in the "Principal Adjustments" columns of this DVA Continuity Schedule.

5 RRR balance for Account 1580 RSVA - Wholesale Market Service Charge should equal to the control account as reported in the RRR. This would include the balance for Account 1580,Variance WMS – Sub-account CBR Class B.

Incentive Rate-setting Mechanism Rate Generator for 2021 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)*	1595 Recovery Proportion (2017) [1]	1568 LRAM Variance Account Class Allocation ($ amounts)	Number of Customers for Residential and GS<50 classes[3]
RESIDENTIAL SERVICE CLASSIFICATION	kWh	4,702,958,399	0	101,716,029	0	0	0	4,702,958,399	0	-39.9%	4,641,165	614,974
COMPETITIVE SECTOR MULTI-UNIT RESIDENTIAL SERVICE CLASSIFICATION	kWh	276,756,856	0	884,543	0	0	0	276,756,856	0	-2.4%	338,854	80,403
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	2,358,432,334	0	344,930,237	0	0	0	2,358,432,334	0	-7.9%	4,358,464	71,643
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kVA	9,732,261,340	24,589,478	6,749,523,458	17,524,821	51,852,564	103,742	9,680,408,776	24,485,736	93.1%	16,263,258	
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kVA	4,592,046,302	10,151,753	4,439,686,439	9,818,488	434,658	14,776	4,591,611,644	10,136,977	58.8%	4,404,873	
LARGE USE SERVICE CLASSIFICATION	kVA	2,156,432,881	4,568,968	1,911,193,687	4,100,000	245,239,200	468,968	1,911,193,681	4,100,000	-3.1%	3,092,196	
STANDBY POWER SERVICE CLASSIFICATION	kVA	0	0	0	0	0	0	0	0	0.0%		
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	40,347,093	0	119,728	0	0	0	40,347,093	0	-0.4%		
STREET LIGHTING SERVICE CLASSIFICATION	kVA	114,740,978	330,084	114,740,978	330,084	0	0	114,740,978	330,084	1.9%		
	Total	23,973,976,183	39,640,283	13,662,795,099	31,773,393	297,526,422	587,486	23,676,449,761	39,052,797	100.00%	33,098,810	767,020

Threshold Test

Total Claim (including Account 1568)	$60,258,375
Total Claim for Threshold Test (All Group 1 Accounts)	$28,728,686
Threshold Test (Total claim per kWh) [2]	$0.0012

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.

Incentive Rate-setting Mechanism Rate Generator for 2021 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	% of Total kWh	% of Customer Numbers **	% of Total kWh adjusted for WMP	LV Variance 1550	Smart Meter Entity Charge 1551	WMS allocated based on Total less WMP 1580	Transmission Network 1584	Transmission Connection 1586	POWER allocated based on Total less WMP 1588	Residual Reg balar 1595_(2017)	LRAM 1568
RESIDENTIAL SERVICE CLASSIFICATION	19.6%	80.2%	19.9%	79,562	(47,473)	(1,062,695)	1,661,458	(1,144,923)	1,862,942	(99,164)	4,641,165
COMPETITIVE SECTOR MULTI-UNIT RESIDENTIAL SERVICE CLASSIFICATION	1.2%	10.5%	1.2%	4,682	(6,207)	(62,537)	97,772	(67,376)	109,629	(5,965)	338,854
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	9.8%	9.3%	10.0%	39,899	(5,530)	(532,919)	833,186	(574,154)	934,225	(19,634)	4,358,464
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	40.6%	0.0%	40.9%	164,645	0	(2,187,415)	3,438,207	(2,369,293)	3,834,615	231,332	16,263,258
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	19.2%	0.0%	19.4%	77,686	0	(1,037,535)	1,622,275	(1,117,922)	1,818,835	146,037	4,404,873
LARGE USE SERVICE CLASSIFICATION	9.0%	0.0%	8.1%	36,481	0	(431,859)	761,823	(524,978)	757,064	(7,704)	3,092,196
STANDBY POWER SERVICE CLASSIFICATION	0.0%	0.0%	0.0%	0	0	0	0	0	0	0	0
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	0.2%	0.0%	0.2%	683	0	(9,117)	14,254	(9,822)	15,982	(994)	0
STREET LIGHTING SERVICE CLASSIFICATION	0.5%	0.0%	0.5%	1,941	0	(25,927)	40,536	(27,933)	45,451	4,623	0
Total	100.0%	100.0%	100.0%	405,579	(59,210)	(5,350,003)	8,469,512	(5,836,401)	9,378,744	248,530	33,098,810

*** Used to allocate Account 1551 as this account records the variances arising from the Smart Metering Entity Charges to Residential and GS<50 customers.*

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

1a	The year Account 1589 GA was last disposed	2018	
1b	The year Account 1580 CBR Class B was last disposed	2018	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)?	Yes	(If you received approval to dispose of the CBR Class B account balance as at December 31, 2016, the period the GA variance accumulated would be 2017 to 2019.)
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)?	Yes	(If you received approval to dispose of the CBR Class B account balance as at December 31, 2016, the period the GA variance accumulated would be 2017 to 2019.)
3a	Enter the number of transition customer you had 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).	6	

Transition Customers - Non-loss Adjusted Billing Determinants by Customer

Customer	Rate Class		2019	
			January to June	July to December
Customer 1	LARGE USE SERVICE CLASSIFICATION	kWh	34,424,489	34,509,385
		kW	79,010	98,267
		Class A/B	A	B
Customer 2	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	117,707,994	113,669,144
		kW	260,726	251,437
		Class A/B	B	A
Customer 3	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	76,326,052	70,091,075
		kW	183,764	165,487
		Class A/B	A	B
Customer 4	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	86,637,639	87,795,196
		kW	220,546	222,914
		Class A/B	B	A
Customer 5	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	23,091,486	22,847,075
		kW	58,698	57,751
		Class A/B	A	B
Customer 6	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	107,992	78,836
		kW	228	185
		Class A/B	B	A

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). In the table, enter the total Class A consumption for full year Class A customers in each rate class for each year (including transition customers identified in table 3a above if they were a full year Class A customer for a particular year).	3	

Rate Classes with Class A Customers - Billing Determinants by Rate Class

	Rate Class		2019
Rate Class 1	LARGE USE SERVICE CLASSIFICATION	kWh	1,648,371,132
		kW	3,248,377
Rate Class 2	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	253,231,651
		kW	636,944
Rate Class 3	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	3,238,145,432
		kW	6,842,730

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

This tab allocates the GA balance to transition customers (i.e Class A customers who were former Class B customers and Class B customers who were former Class A customers) who contributed to the current GA balance. The tables below calculate specific amounts for each customer who made the change. The general GA rate rider to non-RPP customers is not to be charged to the transition customers that are allocated amounts in the table below. Consistent with prior decisions, distributors are generally expected to settle the amount through 12 equal adjustments to bills.

Year the Account 1589 GA Balance Last Disposed	**2018**

Allocation of total Non-RPP Consumption (kWh) between Current Class B and Class A/B Transition Customers

		Total	2019
Non-RPP Consumption Less WMP Consumption	A	13,662,795,099	13,662,795,099
Less Class A Consumption for Partial Year Class A Customers	B	335,385,203	335,385,203
Less Consumption for Full Year Class A Customers	C	5,139,748,216	5,139,748,216
Total Class B Consumption for Years During Balance Accumulation	D = A-B-C	8,187,661,681	8,187,661,681
All Class B Consumption for Transition Customers	E	331,901,160	331,901,160
Transition Customers' Portion of Total Consumption	F = E/D	**4.05%**	

Allocation of Total GA Balance $

Total GA Balance	G	$ 19,556,260
Transition Customers Portion of GA Balance	H=F*G	$ 792,747
GA Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	$ 18,763,513

Allocation of GA Balances to Class A/B Transition Customers

# of Class A/B Transition Customers		6				
Customer		**Total Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers**	**Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers in 2019**	**% of kWh**	**Customer Specific GA Allocation for the Period When They Were Class B customers**	**Monthly Equal Payments**
Customer 1		34,509,385	34,509,385	10.40%	$ 82,426	$ 6,869
Customer 2		117,707,994	117,707,994	35.46%	$ 281,146	$ 23,429
Customer 3		70,091,075	70,091,075	21.12%	$ 167,413	$ 13,951
Customer 4		86,637,639	86,637,639	26.10%	$ 206,934	$ 17,245
Customer 5		22,847,075	22,847,075	6.88%	$ 54,570	$ 4,548
Customer 6		107,992	107,992	0.03%	$ 258	$ 21
Total		331,901,160	331,901,160	100.00%	$ 792,747	

Incentive Rate-setting Mechanism Rate Generator for 2021 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, section 3.2.5.2)

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 2019 Consumption excluding WMP	**Total Metered 2019 Consumption for Class A Customers that were Class A for the entire period GA balance accumulated**	**Total Metered 2019 Consumption for Customers that Transitioned Between Class A and B during the period GA balance accumulated**	**Non-RPP Metered 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	101,716,029	0	0	101,716,029	1.3%	$242,949	$0.00239	kWh
COMPETITIVE SECTOR MULTI-UNIT RESIDENTIAL SERVICE CLASSIFICATION	kWh	884,543	0	0	884,543	0.0%	$2,113	$0.00239	kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	344,930,237	0	186,828	344,743,409	4.4%	$823,421	$0.00239	kWh
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	6,749,523,458	253,231,651	220,371,396	6,275,920,411	79.9%	$14,990,059	$0.00239	kWh
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	4,439,686,439	3,238,145,432	377,794,264	823,746,742	10.5%	$1,967,522	$0.00239	kWh
LARGE USE SERVICE CLASSIFICATION	kWh	1,911,193,687	1,648,371,132	68,933,874	193,888,680	2.5%	$463,104	$0.00239	kWh
STANDBY POWER SERVICE CLASSIFICATION	kWh	0	0	0	0	0.0%	$0	$0.00000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	119,728	0	0	119,728	0.0%	$286	$0.00239	kWh
STREET LIGHTING SERVICE CLASSIFICATION	kWh	114,740,978	0	0	114,740,978	1.5%	$274,059	$0.00239	kWh
Total		13,662,795,099	5,139,748,216	667,286,363	7,855,760,520	100.0%	$18,763,513		

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

This tab allocates the CBR Class B balance to transition customers (i.e Class A customers who were former Class B customers and Class B customers who were former Class A customers) who contributed to the current CBR Class B balance. The tables below calculate specific amounts for each customer who made the change. The general CBR Class B rate rider is not to be charged to the transition customers that are allocated amounts in the table below. Consistent with prior decisions, distributors are generally expected to settle the amount through 12 equal adjustments to bills.

Year Account 1580 CBR Class B was Last Disposed | **2018**

Allocation of Total Consumption (kWh) between Current Class B and Class A/B Transition Customers

		Total	2019
Total Consumption Less WMP Consumption	A	23,676,449,761	23,676,449,761
Less Class A Consumption for Partial Year Class A Customers	B	335,385,203	335,385,203
Less Consumption for Full Year Class A Customers	C	5,139,748,216	5,139,748,216
Total Class B Consumption for Years During Balance Accumulation	D = A-B-C	18,201,316,343	18,201,316,343
All Class B Consumption for Transition Customers	E	331,901,160	331,901,160
Transition Customers' Portion of Total Consumption	F = E/D	**1.82%**	

Allocation of Total CBR Class B Balance $

Total CBR Class B Balance	G	-$ 1,619,055
Transition Customers Portion of CBR Class B Balance	H=F*G	-$ 29,523
CBR Class B Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	-$ 1,589,531

Allocation of CBR Class B Balances to Transition Customers

# of Class A/B Transition Customers		6				
Customer		**Total Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers**	**Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers in 2019**	**% of kWh**	**Customer Specific CBR Class B Allocation for the Period When They Were Class B Customers**	**Monthly Equal Payments**
Customer 1		34,509,385	34,509,385	10.40%	-$ 3,070	-$ 256
Customer 2		117,707,994	117,707,994	35.46%	-$ 10,470	-$ 873
Customer 3		70,091,075	70,091,075	21.12%	-$ 6,235	-$ 520
Customer 4		86,637,639	86,637,639	26.10%	-$ 7,707	-$ 642
Customer 5		22,847,075	22,847,075	6.88%	-$ 2,032	-$ 169
Customer 6		107,992	107,992	0.03%	-$ 10	-$ 1
Total		331,901,160	331,901,160	100.00%	-$ 29,523	-$ 2,460

Incentive Rate-setting Mechanism Rate Generator for 2021 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 2018

		Total Metered 2019 Consumption Minus WMP		Total Metered 2019 Consumption for Full Year Class A Customers		Total Metered 2019 Consumption for Transition Customers		Metered Consumption for Current Class B Customers (Total Consumption LESS WMP, Class A and Transition Customers'		% of total kWh	$ allocated to Current Class B Customers	CBR Class B Rate Rider	Unit
		kWh	kW	kWh	kW	kWh	kW	kWh	kW				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	4,702,958,399	0	0	0	0	0	4,702,958,399	0	26.3%	($418,340)	($0.00009)	kWh
COMPETITIVE SECTOR MULTI-UNIT RESIDENTIAL SERVICE CLASSIFICATION	kWh	276,756,856	0	0	0	0	0	276,756,856	0	1.5%	($24,618)	($0.00009)	kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	2,358,432,334	0	0	0	186,828	413	2,358,245,506	(413)	13.2%	($209,772)	($0.00009)	kWh
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kVA	9,680,408,776	24,485,736	253,231,651	636,944	220,371,396	559,908	9,206,805,729	23,288,884	51.5%	($818,969)	($0.03470)	kVA
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kVA	4,591,611,644	10,136,977	3,238,145,432	6,842,730	377,794,264	861,414	975,671,947	2,432,833	5.5%	($86,789)	($0.03520)	kVA
LARGE USE SERVICE CLASSIFICATION	kVA	1,911,193,681	4,100,000	1,648,371,132	3,248,377	68,933,874	177,277	193,888,674	674,345	1.1%	($17,247)	($0.02520)	kVA
STANDBY POWER SERVICE CLASSIFICATION	kVA	0	0	0	0	0	0	0	0	0.0%	$0	$0.00000	kVA
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	40,347,093	0	0	0	0	0	40,347,093	0	0.2%	($3,589)	($0.00009)	kWh
STREET LIGHTING SERVICE CLASSIFICATION	kVA	114,740,978	330,084	0	0	0	0	114,740,978	330,084	0.6%	($10,207)	($0.03050)	kVA
Total		23,676,449,761	39,052,797	5,139,748,216	10,728,051	667,286,363	1,599,013	17,869,415,182	26,725,734	100.0%	($1,589,531)		

Incentive Rate-setting Mechanism Rate Generator for 2021 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

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 Account Rate Rider [2]	Deferral/Variance Account Rate Rider for Non-WMP (if applicable) [2]	Account 1568 Rate Rider	Revenue Reconcilation [1]
RESIDENTIAL SERVICE CLASSIFICATION	kWh	4,702,958,399	0	4,702,958,399	0	1,249,708		0.00027	0.00000	0.00099	
COMPETITIVE SECTOR MULTI-UNIT RESIDENTIAL SERVICE CLASSIFICATION	kWh	276,756,856	0	276,756,856	0	70,000		0.00025	0.00000	0.00122	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	2,358,432,334	0	2,358,432,334	0	675,072		0.00029	0.00000	0.00185	
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kVA	9,732,261,340	24,589,478	9,680,408,776	24,485,736	1,464,892	1,647,200	0.0588	0.0664	0.6523	
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kVA	4,592,046,302	10,151,753	4,591,611,644	10,136,977	728,076	781,300	0.0707	0.0760	0.4280	
LARGE USE SERVICE CLASSIFICATION	kVA	2,156,432,881	4,568,968	1,911,193,681	4,100,000	265,622	325,205	0.0573	0.0782	0.6675	
STANDBY POWER SERVICE CLASSIFICATION	kVA	0	0	0	0	0		0.00000	0.0000	0.00000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	40,347,093	0	40,347,093	0	10,985		0.00027	0.00000	0.00000	
STREET LIGHTING SERVICE CLASSIFICATION	kVA	114,740,978	330,084	114,740,978	330,084	38,690		0.1156	0.0000	0.0000	
											7,214,260.02

[1] When calculating the revenue reconciliation for distributors with Class A customers, the balances of sub-account 1580-CBR Class B will not be taken into consideration if there are Class A customers since the rate riders, if any, are calculated separately.

[2] Only for rate classes with WMP customers are the Deferral/Variance Account Rate Riders for Non-WMP (column H and J) calculated separately. For all rate classes without WMP customers, balances in account 1580 and 1588 are included in column G and disposed through a combined Deferral/Variance Account and Rate Rider.

Incentive Rate-setting Mechanism Rate Generator for 2021 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	0.00906	4,702,958,399	-	1.0295	4,841,695,672
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00737	4,702,958,399	-	1.0295	4,841,695,672
Competitive Sector Multi-unit Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.00906	276,756,856	-	1.0295	284,921,183
Competitive Sector Multi-unit Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00737	276,756,856	-	1.0295	284,921,183
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.00882	2,358,432,334	-	1.0295	2,428,006,088
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00659	2,358,432,334	-	1.0295	2,428,006,088
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.9842	9,732,261,340	24,589,478		
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3822	9,732,261,340	24,589,478		
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.8833	4,592,046,302	10,151,753		
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3797	4,592,046,302	10,151,753		
Large Use Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	3.2868	2,156,432,881	4,568,968		
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.6439	2,156,432,881	4,568,968		
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.00549	40,347,093	-	1.0295	41,537,332
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00465	40,347,093	-	1.0295	41,537,332
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.6543	114,740,978	330,084		
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.8403	114,740,978	330,084		

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

Uniform Transmission Rates	Unit	2019 Jan to Jun	2019 Jul to Dec	2020	2021
Rate Description		**Rate**	**Rate**	**Rate**	**Rate**
Network Service Rate	kW	$ 3.71	$ 3.83	$ 3.92	$ 3.92
Line Connection Service Rate	kW	$ 0.94	$ 0.96	$ 0.97	$ 0.97
Transformation Connection Service Rate	kW	$ 2.25	$ 2.30	$ 2.33	$ 2.33

Hydro One Sub-Transmission Rates	Unit	2019 Jan to Jun	2019 Jul to Dec	2020	2021
Rate Description		**Rate**	**Rate**	**Rate**	**Rate**
Network Service Rate	kW	$ 3.1942	$ 3.2915	$ 3.3980	$ 3.3980
Line Connection Service Rate	kW	$ 0.7710	$ 0.7877	$ 0.8045	$ 0.8045
Transformation Connection Service Rate	kW	$ 1.7493	$ 1.9755	$ 2.0194	$ 2.0194
Both Line and Transformation Connection Service Rate	kW	$ 2.5203	$ 2.7632	$ 2.8239	$ 2.8239

If needed, add extra host here. (I)	Unit	2019 Jan to Jun	2019 Jul to Dec	2020	2021
Rate Description		**Rate**	**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	2019 Jan to Jun	2019 Jul to Dec	2020	2021
Rate Description		**Rate**	**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	$ -	$ -	$ -	$ -

		Historical 2019	Current 2020	Forecast 2021
Low Voltage Switchgear Credit (if applicable, enter as a negative value)	$	-$ 11,066,399	-$ 11,066,399	-$ 11,066,399

Incentive Rate-setting Mechanism Rate Generator for 2021 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	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	3,840,875	$3.71	$ 14,249,646	3,866,698	$0.94	$ 3,634,696	3,955,729	$2.25	8,900,390	$ 12,535,086
February	3,723,885	$3.71	$ 13,815,613	3,688,845	$0.94	$ 3,467,514	3,776,331	$2.25	8,496,745	$ 11,964,259
March	3,646,534	$3.71	$ 13,528,641	3,559,802	$0.94	$ 3,346,214	3,655,000	$2.25	8,223,750	$ 11,569,964
April	3,142,558	$3.71	$ 11,658,890	3,513,569	$0.94	$ 3,302,755	3,602,853	$2.25	8,106,419	$ 11,409,174
May	2,988,341	$3.71	$ 11,087,000	3,065,015	$0.94	$ 2,880,843	3,138,065	$2.25	7,058,207	$ 9,939,050
June	3,665,689	$3.71	$ 13,600,018	3,732,845	$0.94	$ 3,508,544	3,824,465	$2.25	8,602,074	$ 12,110,618
July	4,147,384	$3.83	$ 15,884,481	4,257,026	$0.96	$ 4,086,745	4,335,173	$2.30	9,970,898	$ 14,057,643
August	4,079,208	$3.83	$ 15,623,367	4,031,377	$0.96	$ 3,870,122	4,127,139	$2.30	9,492,420	$ 13,362,542
September	3,668,942	$3.83	$ 14,052,048	3,596,304	$0.96	$ 3,452,452	3,672,573	$2.30	8,446,918	$ 11,899,370
October	3,461,688	$3.83	$ 13,258,265	3,409,230	$0.96	$ 3,272,861	3,478,497	$2.30	8,000,543	$ 11,273,404
November	3,489,176	$3.83	$ 13,363,544	3,426,654	$0.96	$ 3,289,588	3,510,188	$2.30	8,073,432	$ 11,363,020
December	3,644,594	$3.83	$ 13,958,795	3,597,973	$0.96	$ 3,454,054	3,683,973	$2.30	8,473,138	$ 11,927,192
Total	43,498,874	$ 3.77	$ 164,080,308	43,745,338	$ 0.95	$ 41,566,388	44,759,986	$ 2.28	$ 101,844,934	$ 143,411,322

Hydro One	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 (I) (if needed)	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) (if needed)	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	3,840,875	$ 3.7100	$ 14,249,646	3,866,698	$ 0.9400	$ 3,634,696	3,955,729	$ 2.2500	$ 8,900,390	$ 12,535,086
February	3,723,885	$ 3.7100	$ 13,815,613	3,688,845	$ 0.9400	$ 3,467,514	3,776,331	$ 2.2500	$ 8,496,745	$ 11,964,259
March	3,646,534	$ 3.7100	$ 13,528,641	3,559,802	$ 0.9400	$ 3,346,214	3,655,000	$ 2.2500	$ 8,223,750	$ 11,569,964
April	3,142,558	$ 3.7100	$ 11,658,890	3,513,569	$ 0.9400	$ 3,302,755	3,602,853	$ 2.2500	$ 8,106,419	$ 11,409,174
May	2,988,341	$ 3.7101	$ 11,087,000	3,065,015	$ 0.9399	$ 2,880,843	3,138,065	$ 2.2492	$ 7,058,207	$ 9,939,050
June	3,665,689	$ 3.7101	$ 13,600,018	3,732,845	$ 0.9399	$ 3,508,544	3,824,465	$ 2.2492	$ 8,602,074	$ 12,110,618
July	4,147,384	$ 3.8300	$ 15,884,481	4,257,026	$ 0.9600	$ 4,086,745	4,335,173	$ 2.3000	$ 9,970,898	$ 14,057,643
August	4,079,208	$ 3.8300	$ 15,623,367	4,031,377	$ 0.9600	$ 3,870,122	4,127,139	$ 2.3000	$ 9,492,420	$ 13,362,542
September	3,668,942	$ 3.8300	$ 14,052,048	3,596,304	$ 0.9600	$ 3,452,452	3,672,573	$ 2.3000	$ 8,446,918	$ 11,899,370
October	3,461,688	$ 3.8300	$ 13,258,265	3,409,230	$ 0.9600	$ 3,272,861	3,478,497	$ 2.3000	$ 8,000,543	$ 11,273,404
November	3,489,176	$ 3.8300	$ 13,363,544	3,426,654	$ 0.9600	$ 3,289,588	3,510,188	$ 2.3000	$ 8,073,432	$ 11,363,020
December	3,644,594	$ 3.8300	$ 13,958,795	3,597,973	$ 0.9600	$ 3,454,054	3,683,973	$ 2.3000	$ 8,473,138	$ 11,927,192
Total	43,498,874	$ 3.77	$ 164,080,308	43,745,338	$ 0.95	$ 41,566,388	44,759,986	$ 2.28	$ 101,844,934	$ 143,411,322
									Low Voltage Switchgear Credit (if applicable)	-$ 11,066,399
									Total including deduction for Low Voltage Switchgear Credit	$ 132,344,922

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

The purpose of this sheet is to calculate the expected billing when current 2020 Uniform Transmission Rates are applied against historical 2019 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	3,840,875	$ 3.9200	$ 15,056,230	3,866,698	$ 0.9700	$ 3,750,697	3,955,729	$ 2.3300	$ 9,216,849	$ 12,967,546
February	3,723,885	$ 3.9200	$ 14,597,629	3,688,845	$ 0.9700	$ 3,578,180	3,776,331	$ 2.3300	$ 8,798,851	$ 12,377,031
March	3,646,534	$ 3.9200	$ 14,294,413	3,559,802	$ 0.9700	$ 3,453,008	3,655,000	$ 2.3300	$ 8,516,150	$ 11,969,158
April	3,142,558	$ 3.9200	$ 12,318,827	3,513,569	$ 0.9700	$ 3,408,162	3,602,853	$ 2.3300	$ 8,394,647	$ 11,802,809
May	2,988,341	$ 3.9200	$ 11,714,297	3,065,015	$ 0.9700	$ 2,973,065	3,138,065	$ 2.3300	$ 7,311,691	$ 10,284,756
June	3,665,689	$ 3.9200	$ 14,369,500	3,732,845	$ 0.9700	$ 3,620,860	3,824,465	$ 2.3300	$ 8,911,004	$ 12,531,864
July	4,147,384	$ 3.9200	$ 16,257,745	4,257,026	$ 0.9700	$ 4,129,315	4,335,173	$ 2.3300	$ 10,100,953	$ 14,230,268
August	4,079,208	$ 3.9200	$ 15,990,495	4,031,377	$ 0.9700	$ 3,910,436	4,127,139	$ 2.3300	$ 9,616,234	$ 13,526,670
September	3,668,942	$ 3.9200	$ 14,382,253	3,596,304	$ 0.9700	$ 3,488,415	3,672,573	$ 2.3300	$ 8,557,095	$ 12,045,510
October	3,461,688	$ 3.9200	$ 13,569,817	3,409,230	$ 0.9700	$ 3,306,953	3,478,497	$ 2.3300	$ 8,104,898	$ 11,411,851
November	3,489,176	$ 3.9200	$ 13,677,570	3,426,654	$ 0.9700	$ 3,323,854	3,510,188	$ 2.3300	$ 8,178,738	$ 11,502,592
December	3,644,594	$ 3.9200	$ 14,286,808	3,597,973	$ 0.9700	$ 3,490,034	3,683,973	$ 2.3300	$ 8,583,657	$ 12,073,691
Total	43,498,874	$ 3.92	$ 170,515,585	43,745,338	$ 0.97	$ 42,432,978	44,759,986	$ 2.33	$ 104,290,768	$ 146,723,745

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Amount**
January	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
February	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
March	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
April	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
May	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
June	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
July	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
August	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
September	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
October	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
November	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
December	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
Total	-	$ -	$ -	-	$ -	$ -	-	$ -	$ -	$ -

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	3,840,875	$ 3.9200	$ 15,056,230	3,866,698	$ 0.9700	$ 3,750,697	3,955,729	$ 2.3300	$ 9,216,849	$ 12,967,546
February	3,723,885	$ 3.9200	$ 14,597,629	3,688,845	$ 0.9700	$ 3,578,180	3,776,331	$ 2.3300	$ 8,798,851	$ 12,377,031
March	3,646,534	$ 3.9200	$ 14,294,413	3,559,802	$ 0.9700	$ 3,453,008	3,655,000	$ 2.3300	$ 8,516,150	$ 11,969,158
April	3,142,558	$ 3.9200	$ 12,318,827	3,513,569	$ 0.9700	$ 3,408,162	3,602,853	$ 2.3300	$ 8,394,647	$ 11,802,809
May	2,988,341	$ 3.9200	$ 11,714,297	3,065,015	$ 0.9700	$ 2,973,065	3,138,065	$ 2.3300	$ 7,311,691	$ 10,284,756
June	3,665,689	$ 3.9200	$ 14,369,500	3,732,845	$ 0.9700	$ 3,620,860	3,824,465	$ 2.3300	$ 8,911,004	$ 12,531,864
July	4,147,384	$ 3.9200	$ 16,257,745	4,257,026	$ 0.9700	$ 4,129,315	4,335,173	$ 2.3300	$ 10,100,953	$ 14,230,268
August	4,079,208	$ 3.9200	$ 15,990,495	4,031,377	$ 0.9700	$ 3,910,436	4,127,139	$ 2.3300	$ 9,616,234	$ 13,526,670
September	3,668,942	$ 3.9200	$ 14,382,253	3,596,304	$ 0.9700	$ 3,488,415	3,672,573	$ 2.3300	$ 8,557,095	$ 12,045,510
October	3,461,688	$ 3.9200	$ 13,569,817	3,409,230	$ 0.9700	$ 3,306,953	3,478,497	$ 2.3300	$ 8,104,898	$ 11,411,851
November	3,489,176	$ 3.9200	$ 13,677,570	3,426,654	$ 0.9700	$ 3,323,854	3,510,188	$ 2.3300	$ 8,178,738	$ 11,502,592
December	3,644,594	$ 3.9200	$ 14,286,808	3,597,973	$ 0.9700	$ 3,490,034	3,683,973	$ 2.3300	$ 8,583,657	$ 12,073,691
Total	43,498,874	$ 3.92	$ 170,515,585	43,745,338	$ 0.97	$ 42,432,978	44,759,986	$ 2.33	$ 104,290,768	$ 146,723,745

Low Voltage Switchgear Credit (if applicable)	-$ 11,066,399
Total including deduction for Low Voltage Switchgear Credit	$ 135,657,346

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

The purpose of this sheet is to calculate the expected billing when forecasted 2021 Uniform Transmission Rates are applied against historical 2019 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	3,840,875	$ 3.9200	$ 15,056,230	3,866,698	$ 0.9700	$ 3,750,697	3,955,729	$ 2.3300	$ 9,216,849	$ 12,967,546
February	3,723,885	$ 3.9200	$ 14,597,629	3,688,845	$ 0.9700	$ 3,578,180	3,776,331	$ 2.3300	$ 8,798,851	$ 12,377,031
March	3,646,534	$ 3.9200	$ 14,294,413	3,559,802	$ 0.9700	$ 3,453,008	3,655,000	$ 2.3300	$ 8,516,150	$ 11,969,158
April	3,142,558	$ 3.9200	$ 12,318,827	3,513,569	$ 0.9700	$ 3,408,162	3,602,853	$ 2.3300	$ 8,394,647	$ 11,802,809
May	2,988,341	$ 3.9200	$ 11,714,297	3,065,015	$ 0.9700	$ 2,973,065	3,138,065	$ 2.3300	$ 7,311,691	$ 10,284,756
June	3,665,689	$ 3.9200	$ 14,369,500	3,732,845	$ 0.9700	$ 3,620,860	3,824,465	$ 2.3300	$ 8,911,004	$ 12,531,864
July	4,147,384	$ 3.9200	$ 16,257,745	4,257,026	$ 0.9700	$ 4,129,315	4,335,173	$ 2.3300	$ 10,100,953	$ 14,230,268
August	4,079,208	$ 3.9200	$ 15,990,495	4,031,377	$ 0.9700	$ 3,910,436	4,127,139	$ 2.3300	$ 9,616,234	$ 13,526,670
September	3,668,942	$ 3.9200	$ 14,382,253	3,596,304	$ 0.9700	$ 3,488,415	3,672,573	$ 2.3300	$ 8,557,095	$ 12,045,510
October	3,461,688	$ 3.9200	$ 13,569,817	3,409,230	$ 0.9700	$ 3,306,953	3,478,497	$ 2.3300	$ 8,104,898	$ 11,411,851
November	3,489,176	$ 3.9200	$ 13,677,570	3,426,654	$ 0.9700	$ 3,323,854	3,510,188	$ 2.3300	$ 8,178,738	$ 11,502,592
December	3,644,594	$ 3.9200	$ 14,286,808	3,597,973	$ 0.9700	$ 3,490,034	3,683,973	$ 2.3300	$ 8,583,657	$ 12,073,691
Total	43,498,874	$ 3.92	$ 170,515,585	43,745,338	$ 0.97	$ 42,432,978	44,759,986	$ 2.33	$ 104,290,768	$ 146,723,745

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Amount**
January	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
February	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
March	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
April	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
May	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
June	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
July	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
August	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
September	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
October	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
November	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
December	-	$ 3.3980	$ -	-	$ 0.8045	$ -	-	$ 2.0194	$ -	$ -
Total	-	$ -	$ -	-	$ -	$ -	-	$ -	$ -	$ -

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	3,840,875	$ 3.92	$ 15,056,230	3,866,698	$ 0.97	$ 3,750,697	3,955,729	$ 2.33	$ 9,216,849	$ 12,967,546
February	3,723,885	$ 3.92	$ 14,597,629	3,688,845	$ 0.97	$ 3,578,180	3,776,331	$ 2.33	$ 8,798,851	$ 12,377,031
March	3,646,534	$ 3.92	$ 14,294,413	3,559,802	$ 0.97	$ 3,453,008	3,655,000	$ 2.33	$ 8,516,150	$ 11,969,158
April	3,142,558	$ 3.92	$ 12,318,827	3,513,569	$ 0.97	$ 3,408,162	3,602,853	$ 2.33	$ 8,394,647	$ 11,802,809
May	2,988,341	$ 3.92	$ 11,714,297	3,065,015	$ 0.97	$ 2,973,065	3,138,065	$ 2.33	$ 7,311,691	$ 10,284,756
June	3,665,689	$ 3.92	$ 14,369,500	3,732,845	$ 0.97	$ 3,620,860	3,824,465	$ 2.33	$ 8,911,004	$ 12,531,864
July	4,147,384	$ 3.92	$ 16,257,745	4,257,026	$ 0.97	$ 4,129,315	4,335,173	$ 2.33	$ 10,100,953	$ 14,230,268
August	4,079,208	$ 3.92	$ 15,990,495	4,031,377	$ 0.97	$ 3,910,436	4,127,139	$ 2.33	$ 9,616,234	$ 13,526,670
September	3,668,942	$ 3.92	$ 14,382,253	3,596,304	$ 0.97	$ 3,488,415	3,672,573	$ 2.33	$ 8,557,095	$ 12,045,510
October	3,461,688	$ 3.92	$ 13,569,817	3,409,230	$ 0.97	$ 3,306,953	3,478,497	$ 2.33	$ 8,104,898	$ 11,411,851
November	3,489,176	$ 3.92	$ 13,677,570	3,426,654	$ 0.97	$ 3,323,854	3,510,188	$ 2.33	$ 8,178,738	$ 11,502,592
December	3,644,594	$ 3.92	$ 14,286,808	3,597,973	$ 0.97	$ 3,490,034	3,683,973	$ 2.33	$ 8,583,657	$ 12,073,691
Total	43,498,874	$ 3.92	$ 170,515,585	43,745,338	$ 0.97	$ 42,432,978	44,759,986	$ 2.33	$ 104,290,768	$ 146,723,745

Low Voltage Switchgear Credit (if applicable)	-$ 11,066,399
Total including deduction for Low Voltage Switchgear Credit	$ 135,657,346

Incentive Rate-setting Mechanism Rate Generator for 2021 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	0.00906	4,841,695,672	0	43,865,763	23.3%	39,726,868	0.00821
Competitive Sector Multi-unit Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.00906	284,921,183	0	2,581,386	1.4%	2,337,823	0.00821
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.00882	2,428,006,088	0	21,415,014	11.4%	19,394,429	0.00799
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.9842		24,589,478	74,399,086	39.5%	67,379,261	2.7026
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.8833		10,151,753	29,677,085	15.8%	26,876,944	2.6113
Large Use Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	3.2868		4,568,968	15,225,857	8.1%	13,789,242	2.9767
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.00549	41,537,332	0	228,040	0.1%	206,524	0.00497
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.6543		330,084	888,311	0.5%	804,495	2.4039

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	0.00737	4,841,695,672	0	35,683,297	23.6%	32,045,022	0.00662
Competitive Sector Multi-unit Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00737	284,921,183	0	2,099,869	1.4%	1,885,766	0.00662
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00659	2,428,006,088	0	16,000,560	10.6%	14,369,140	0.00592
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3822		24,589,478	59,390,625	39.3%	53,335,147	2.1393
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3797		10,151,753	24,493,656	16.2%	21,996,279	2.1371
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.6439		4,568,968	12,247,671	8.1%	10,998,896	2.3743
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00465	41,537,332	0	193,149	0.1%	173,455	0.00418
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.8403		330,084	950,559	0.6%	853,640	2.5507

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	0.00821	4,841,695,672	0	39,726,868	23.3%	39,726,868	0.00821
Competitive Sector Multi-unit Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.00821	284,921,183	0	2,337,823	1.4%	2,337,823	0.00821
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.00799	2,428,006,088	0	19,394,429	11.4%	19,394,429	0.00799
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.7026		24,589,478	67,379,261	39.5%	67,379,261	2.7026
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.6113		10,151,753	26,876,944	15.8%	26,876,944	2.6113
Large Use Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.9767		4,568,968	13,789,242	8.1%	13,789,242	2.9767
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.00497	41,537,332	0	206,524	0.1%	206,524	0.00497
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.4039		330,084	804,495	0.5%	804,495	2.4039

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	0.00662	4,841,695,672	0	32,045,022	23.6%	32,045,022	0.00662
Competitive Sector Multi-unit Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00662	284,921,183	0	1,885,766	1.4%	1,885,766	0.00662
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00592	2,428,006,088	0	14,369,140	10.6%	14,369,140	0.00592
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.1393		24,589,478	53,335,147	39.3%	53,335,147	2.1393
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.1371		10,151,753	21,996,279	16.2%	21,996,279	2.1371
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3743		4,568,968	10,998,896	8.1%	10,998,896	2.3743
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00418	41,537,332	0	173,455	0.1%	173,455	0.00418
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5507		330,084	853,640	0.6%	853,640	2.5507

Incentive Rate-setting Mechanism Rate Generator for 2021 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 2020 value and will be updated by OEB staff at a later date.

Price Escalator	**2.00%**	**Productivity Factor**	**0.00%**
Choose Stretch Factor Group	V	**Price Cap Index**	**4.530%**
Associated Stretch Factor Value	**0.60%**		

Cn Factor	4.97%	X_{cap}	0.30%
S_{cap}	71.22%		
Growth Factor	0.20%		

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	38.34				4.53%	40.08	0.00000
COMPETITIVE SECTOR MULTI-UNIT RESIDENTIAL SERVICE CLASSIFICATION	31.46				4.53%	32.89	0.00000
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	36.98		0.03421		4.53%	38.66	0.03576
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	49.14		7.8922		4.53%	51.37	8.2497
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	926		6.5219		4.53%	967.95	6.8173
LARGE USE SERVICE CLASSIFICATION	4099.14		7.0665		4.53%	4,284.83	7.3866
STANDBY POWER SERVICE CLASSIFICATION	239.74				4.53%	250.60	0.0000
STANDBY GENERAL SERVICE 50 to 999 kW SERVICE CLASSIFICATION			7.8922		4.53%	0.00	8.2497
STANDBY GENERAL SERVICE 1,000 to 4,999 kW SERVICE CLASSIFICATION			6.5219		4.53%	0.00	6.8173
STANDBY LARGE USE SERVICE CLASSIFICATION			7.0665		4.53%	0.00	7.3866
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	6.06		0.07618		4.53%	6.33	0.07963
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION (Connection)	0.63				4.53%	0.66	
STREET LIGHTING SERVICE CLASSIFICATION	1.56		34.7952		4.53%	1.63	36.3714
microFIT SERVICE CLASSIFICATION	5.33					4.49	

If applicable, Wheeling Service Rate will be adjusted for PCI on Sheet 19.

**Please note Standby rates will be adjusted for PCI on Sheet 19.

Ontario Energy Board

GA Analysis Workform

Version 1.9

Account 1589 Global Adjustment (GA) Analysis Workform

Input cells
Drop down cells

Utility Name TORONTO HYDRO-ELECTRIC SYSTEM LIMITED

Note 1

For Account 1589,
a) If the account was last approved on a final basis, select the year that the balance was last approved on a final basis. 2018
b) If the account was last approved on an interim basis, and
i) there are no changes to the previously approved interim balances, select the year that the balances were last approved for diposition on an interim basis. OR
ii) there are changes to the previously approved interim balances, select the year that the balances 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 2017 balances reviewed in the 2019 rate application were to be selected, select 2017)

Instructions:
1) Determine which scenario above applies (a, bi or bii). Select the appropriate year to generate the GA Analysis Workform tabs and the Principal Adjustments tab.
For example:
- *Scenario a -If 2018 balances were last approved on a final basis - Select 2018 and a GA Analysis Workform for 2019 will be generated.*
- *Scenario bi - If 2018 balances were last approved on an interim basis and there are no changes to 2018 balances - Select 2018 and a GA Analysis Workform for 2019 will be generated.*
- *Scenario bii - If 2018 balances were last approved on an interim basis, there are changes to 2018 balances, and 2017 balances were last approved for disposition - Select 2017 and GA Analysis Workforms for 2018 and 2019 will be generated.*

2) Complete the GA Analysis Workform for each year generated.
3) Complete the Principal Adjustments tab. Note that the number of years that require principal adjustment reconciliations are all shown in 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.

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
2019	$ 24,970,917	$ 8,529,428	$ 17,207,104	$ 25,736,532	$ 765,615	$ 917,190,602	0.1%
Cumulative Balance	**$ 24,970,917**	**$ 8,529,428**	**$ 17,207,104**	**$ 25,736,532**	**$ 765,615**	**$ 917,190,602**	**N/A**

Ontario Energy Board

GA Analysis Workform

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

Year		2019		
Total Metered excluding WMP	C = A+B	23,676,449,769	kWh	100%
RPP	A	10,013,654,670	kWh	42.3%
Non RPP	B = D+E	13,662,795,099	kWh	57.7%
Non-RPP Class A	D	5,475,133,418	kWh	23.1%
Non-RPP Class B*	E	8,187,661,681	kWh	34.6%

*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 1st 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 Yes

Note 4 **Analysis of Expected GA Amount**

Year 2019

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 Variance ($)
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K
January	715,423,326	781,348,434	794,652,438	728,727,330	0.06741	$ 49,123,509	0.08092	$ 58,968,616	$ 9,845,106
February	746,346,927	794,652,438	724,209,045	675,903,535	0.09657	$ 65,272,004	0.08812	$ 59,560,619	$ (5,711,385)
March	730,266,365	724,209,045	726,802,564	732,859,884	0.08105	$ 59,398,294	0.08041	$ 58,929,263	$ (469,030)
April	701,394,130	726,802,564	741,027,182	715,618,747	0.08129	$ 58,172,648	0.12333	$ 88,257,260	$ 30,084,612
May	679,593,287	741,027,182	689,993,069	628,559,173	0.12860	$ 80,832,710	0.12604	$ 79,223,598	$ (1,609,111)
June	662,665,969	689,993,069	681,514,378	654,187,279	0.12444	$ 81,407,065	0.13728	$ 89,806,830	$ 8,399,765
July	640,714,066	681,514,378	881,366,898	840,566,586	0.13527	$ 113,703,442	0.09645	$ 81,072,647	$ (32,630,795)
August	740,575,370	881,366,898	995,196,431	854,404,903	0.07211	$ 61,611,138	0.12607	$ 107,714,826	$ 46,103,689
September	768,736,507	995,196,431	822,568,524	596,108,599	0.12934	$ 77,100,686	0.12263	$ 73,100,798	$ (3,999,889)
October	687,693,631	822,568,524	742,910,887	608,035,994	0.17878	$ 108,704,675	0.13680	$ 83,179,324	$ (25,525,351)
November	633,876,964	742,910,887	781,200,245	672,166,322	0.10727	$ 72,103,281	0.09953	$ 66,900,714	$ (5,202,567)
December	708,563,607	781,200,245	828,736,919	756,100,282	0.08569	$ 64,790,233	0.09321	$ 70,476,107	$ 5,685,874
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	**8,415,850,149**	**9,362,790,093**	**9,410,178,578**	**8,463,238,633**		**$ 892,219,685**		**$ 917,190,602**	**$ 24,970,917**

Calculated Loss Factor	**1.0337**
Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW	1.0295
Difference	**0.0042**

a) Please provide an explanation in the textbox below if columns G and H are not used in the table above.

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

Note 5 **Reconciling Items**

	Item	Amount	Explanation	Principal Adjustments	
	Net Change in Principal Balance in the GL (i.e. Transactions in the Year)	$ 8,529,428		**Principal Adjustment on DVA Continuity Schedule**	**If "no", please provide an explanation**
1a	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year		Not applicable as Toronto Hydro ("TH") records the true-up RPP settlement amounts with the IESO on a quarterly basis. The RPP amounts for 2019 are based on the actual IESO invoices received.		
1b	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year		Not applicable as Toronto Hydro ("TH") records the true-up RPP settlement amounts with the IESO on a quarterly basis. The RPP amounts for 2019 are based on the actual IESO invoices received.		
2a	Remove prior year end unbilled to actual revenue differences	$ (3,079,023)		No	Related to reveresal of prior year; was not previously included in prior year DVA continuity
2b	Add current year end unbilled to actual revenue differences	$ 10,097,236		Yes	
3a	Remove difference between prior year accrual/unbilled to actual from load transfers		Not applicable		
3b	Add difference between current year accrual/unbilled to actual from load transfers		Not applicable		
3	Significant prior period billing adjustments recorded in current year		Not applicable	No	
4	Differences in actual system losses and billed TLFs	$ 10,188,891			
5	CT 2148 for prior period corrections				
6	Others as justified by distributor				
7					
8					
9					
10					

Note 6	**Adjusted Net Change in Principal Balance in the GL**	$ 25,736,532
	Net Change in Expected GA Balance in the Year Per Analysis	$ 24,970,917
	Unresolved Difference	$ 765,615
	Unresolved Difference as % of Expected GA Payments to IESO	0.1%

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GA Analysis Workform - Account 1588 and 1589 Principal Adjustment Reconciliation

Note 7 **Breakdown of principal adjustments included in last approved balance:**

Account 1589 - RSVA Global Adjustment

	Adjustment Description	Amount	To be reversed in current application?	Explanation if not to be reversed in current application
1				
2				
3				
4				
5				
6				
7				
8				
	Total	-		
	Total principal adjustments included in last approved balance			
	Difference	-		

Account 1588 - RSVA Power

	Adjustment Description	Amount	To be Reversed in Current Application?	Explanation if not to be reversed in current application
1				
2				
3				
4				
5				
6				
7				
8				
	Total	-		
	Total principal adjustments included in last approved balance			
	Difference	-		

Note 8 **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. 2019 Balance" column should equal principal adjustments made in the current disposition period. It should not be impacted by reversals from prior year approved principal adjustments.

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

Account 1589 - RSVA Global Adjustment

Year		Adjustment Description	Amount	Year Recorded in GL
	Reversals of prior approved principal adjustments (auto-populated from table above)			
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
		Total Reversal Principal Adjustments	-	
	Current year principal adjustments			
	1	CT 148 true-up of GA Charges based on actual Non-RPP volumes	-	2020
	2	Unbilled to actual revenue differences	10,097,236	2020
	3			
	4			
	5			
	6			
	7			
	8			
		Total Current Year Principal Adjustments	10,097,236	
	Total Principal Adjustments to be Included on DVA Continuity Schedule		10,097,236	

Account 1588 - RSVA Power

Year		Adjustment Description	Amount	Year Recorded in GL
	Reversals of prior approved principal adjustments (auto-populated from table above)			
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
		Total Reversal Principal Adjustments	-	
	Current year principal adjustments			
	1	CT 148 true-up of GA Charges based on actual RPP volumes	-	2020
	2	CT 1142 true-up based on actuals	25,541	2020
	3	Unbilled to actual revenue differences	11,732,675	2020
	4			
	5			
	6			
	7			
	8			
		Total Current Year Principal Adjustments	11,758,216	
	Total Principal Adjustments to be Included on DVA Continuity Schedule		11,758,216	

Instruction Sheet

Summary of Changes from the Prior Year

Criteria for Disposition Eligibility

The criteria for disposition eligibility has been revised to the following: Distributors only become eligible to seek disposition of these residual balances two years after the expiry of the rate rider (i.e. in the fourth rate year after the expiry of the rate rider). For example:

- January 1 rate year – If 2018 rate riders end on December 31, 2018, the balance of sub-account 1595 (2018) is eligible to be disposed once the December 31, 2020 account balance has been audited. Therefore, sub-account 1595 (2018) would be eligible for disposition in the 2022 rate year.
- May 1 rate year – If 2018 rate riders end on April 30, 2019, the balance of sub-account 1595 (2018) is eligible to be disposed once the December 31, 2021 account balance has been audited. Therefore, sub-account 1595 (2018) would be eligible for disposition in the 2023 rate year.

Note that applicants are expected to request disposition of residual balances in Account 1595 Sub-accounts on a final basis, only once, for each vintage Sub-account.

Account 1595 Workform Instructions

The Account 1595 Workform must be completed if the eligibility criteria for disposition is met, regardless of whether disposition is sought or not.

In the Information Sheet,

1. Select “Yes” or “No” with respect to eligibility for disposition in Column D.
2. If an applicant has any Account 1595 sub-accounts for years 2014 or before, indicate the number of 2014 and prior sub-accounts (including 2014). This should correspond to that included in the Account 1595 (2014 and pre-2014) row on the DVA Continuity Schedule/Tab 3 of the IRM Model.

For example, if the applicant has residual balances for years 2010 and 2012, select 2 under “# of years” column, and two 1595 worksheets will open up for the applicant to enter detailed rate rider information.

a. In each worksheet generated for 2014 and prior years, indicate the year for which the worksheet relates to in cell C11. For example, enter 2010 and 2012 for the example above.

b. Note that for DVA Continuity Schedule purposes, a separate schedule with amounts broken down by each vintage year 2014 and prior is to be provided, with the total reconciling to the amount in row for 1595 (2014 and pre-2014). The amounts in the 1595 worksheets for 2014 and pre-2014 years are expected to agree to the amounts on the separate schedule for 2014 and pre-2014 1595 vintage years provided to support the 1595 (2014 and pre-2014) balance in the DVA Continuity Schedule.

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1595 Analysis Workform

Account 1595 Analysis Workform

Input cells
Drop down cells

Utility Name Toronto Hydro-Electric System Limited

Utility name must be selected

	Eligible for disposition?
2014 and pre-2014	No
2015	No
2016	No
2017	Yes
2018	No
2019	No

Note that vintage years 2018 and 2019 are not eligible for disposition in the current rate year application.

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1595 Analysis Workform

Step 1

Year in which this worksheet relates to **2017**

Components of the 1595 Account Balances:		Principal Balance Approved for Disposition	Carrying Charges Balance Approved for Disposition	Total Balances Approved for Disposition	Rate Rider Amounts Collected/(Returned)	Residual Balances Pertaining to Principal and Carrying Charges Approved for Disposition	Carrying Charges Recorded on Net Principal Account Balances	Total Residual Balances	Collections/Returns Variance (%)
Total Group 1 and Group 2 Balances excluding Account 1589 - Global Adjustment		-$65,881,307	-$2,490,641	-$68,371,948	-$71,810,008	$3,438,060	-$180,914	**$3,257,146**	**-5.0%**
Account 1589 - Global Adjustment		$94,368,616	$4,812,604	$99,181,220	$102,432,400	-$3,251,180	$242,565	**-$3,008,615**	**-3.3%**
Total Group 1 and Group 2 Balances		$28,487,309	$2,321,963	$30,809,272	$30,622,391	$186,880	$61,650	**$248,531**	**0.6%**
							Total residual balance per continuity schedule:	$248,531	
							Difference (any variance should be explained):	**$0**	

*Unresolved differences of +/- 10% require further analysis and explanation. Amounts originally approved for disposition based on forecasted consumption or number of customers must be compared to actual figures.

Additional Notes and Comments

Ontario Energy Board

Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) Work Form

Version 5.0 (2021)

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. 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.
3-a. Rate Class Allocations	A blank spreadsheet is provided to allow LDCs to populate distributor specific rate class percentages to allocate actual CDM savings to different customer classes.
4. 2011-2014 LRAM	**Tables 4-a, 4-b, 4-c and 4-d** include the template 2011-2014 LRAMVA work forms.
5. 2015-2020 LRAM	**Tables 5-a, 5-b, 5-c and 5-d** include the template 2015-2020 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 applic ation. 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 indicate d above, any copying, reproduction, publication, sale, adaptation, translation, modification, reverse engineering or other use or dissemination of this model without the expr ess 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 o r 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.

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LRAMVA Work Form: Instructions

Version 5.0 (2021)

Tab	Instructions
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: 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. 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.
Tab 3-a. Rate Class Allocations	A tab is provided to allow LDCs to include documentation or analysis on how rate class allocations for actual CDM savings were determined by customer class and program each year. The rate class allocations would support the LRAMVA rate class allocation figures used in Tabs 4 and 5.
Tabs 4 and 5 (2011-2020)	Distributors should complete the lost revenue calculation for 2011-2014 program years and 2015-2020 program years, as applicable, by undertaking the following: 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.
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).

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LRAMVA Work Form: Checklist and Schematic

Version 5.0 (2021)

General Note on the LRAMVA Model

The LRAMVA work form has been created in a generic manner that should allow for use by all LDCs. This LRAMVA work form consolidates information that LDCs are already required to file with the OEB. The model has been created to provide LDCs with a consistent format to display CDM impacts, the forecast savings component and, ultimately, any variance between actual CDM savings and forecast CDM savings. The majority of the information required in the LRAMVA work form will be provided to LDCs from the IESO as part of the Final CDM Results and Participation and Cost Report. Please contact the IESO for any reports that may be required to complete this LRAMVA work form.

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

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

Legend

Drop Down List (Blue)

Important Checklist

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

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

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LRAMVA Work Form: Summary Tab

Version 5.0 (2021)

Legend	User Inputs (Green)
	Auto Populated Cells (White)
	Instructions (Grey)
LDC Name	Toronto Hydro

Application Details

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

A. Previous LRAMVA Application

Previous LRAMVA Application (EB#)	EB-2018-0071
Application of Previous LRAMVA Claim	2019 IRM Application
Period of LRAMVA Claimed in Previous Application	2017
Amount of LRAMVA Claimed in Previous Application	$ 12,334,962.61

B. Current LRAMVA Application

Current LRAMVA Application (EB#)		EB-2020-0057
Application of Current LRAMVA Claim		2021 IRM Application
Period of New LRAMVA in this Application		2018-2019
Period of Rate Recovery (# years)		2
Actual Lost Revenues ($)	A	**$ 38,867,604**
Forecast Lost Revenues ($)	B	**$ 6,865,862**
Carrying Charges ($)	C	**$ 1,097,068**
LRAMVA ($) for Account 156	A-B+C	**$ 33,098,810**

C. Documentation of Changes

Original Amount	$33,098,810
Amount for Final Disposition	

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

Customer Class	Billing Unit	Principal ($)	Carrying Charges ($)	Total LRAMVA ($)
Residential	kWh	$4,470,735	$170,431	$4,641,165
Competitive Sector Multi-Unit Residential Service	kWh	$326,662	$12,192	$338,854
GS <50kW	kWh	$4,218,351	$140,112	$4,358,464
GS 50-999kW	kW	$15,734,681	$528,577	$16,263,258
GS 1000-4999kW	kW	$4,260,422	$144,451	$4,404,873
Large Use	kW	$2,990,891	$101,305	$3,092,196
Total		**$32,001,742**	**$1,097,068**	**$33,098,810**

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

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

If LDCs are seeking to claim true-up amounts that were previously approved by the OEB, please note that the "Amount Cleared" rows are applicable to the LDC and should be filled out. This may relate to claiming the difference in LRAM approved before the May 19, 2016 Peak Demand Consultation, and the lost revenues that would have been incurred after that consultation, as approved by the OEB. If this is the case, reference to the decision must be noted in the rate application. If this is not the case, LDCs are requested to leave those rows blank.
LDCs are expected to include projected carrying charges amounts in row 84 of Table 1-b below. LDCs should also check accuracy of the years included in the LRAMVA balance in row 85.

Description	LRAMVA Previously Claimed	Residential	Competitive Sector Multi-Unit Residential Service	GS <50kW	GS 50-999kW	GS 1000-4999kW	Large Use									Total
		kWh	kWh	kWh	kW	kW	kW	0	0	0	0	0	0	0	0	
2018 Actuals	✓	$3,153,328.71	$210,460.45	$3,103,887.02	$8,510,164.04	$2,284,463.57	$1,694,282.76	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$18,956,586.55
2018 Forecast		($187,529.44)	($5,848.63)	($1,264,090.58)	($1,372,022.01)	($290,089.45)	($298,909.42)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($3,418,489.53)
Amount Cleared																
2019 Actuals		$1,602,492.91	$125,091.57	$3,690,011.05	$10,020,525.90	$2,567,140.13	$1,905,755.81	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$19,911,017.37
2019 Forecast		($97,557.65)	($3,041.15)	($1,311,456.08)	($1,423,986.76)	($301,092.62)	($310,238.51)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($3,447,372.77)
Amount Cleared																
Carrying Charges		$170,430.72	$12,191.79	$140,112.25	$528,577.01	$144,451.02	$101,305.40	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,097,068.19
Total LRAMVA Balance		**$4,641,165**	**$338,854**	**$4,358,464**	**$16,263,258**	**$4,404,873**	**$3,092,196**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$33,098,810**

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

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LRAMVA Work Form: Summary of Changes

Version 5.0 (2021)

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	3. Distribution Rates	L23, L30, L37, M23, M30, M3	Changed rounding to 5 decimal places.	Toronto Hydro's billing units for customers that are billed on $/kWh include 5 decimal places.
2	5. 2015-2020 LRAM	Column B	Edited the default programs listed. Deleted programs that are not delivered by Toronto	To align programs with those delivered by THESL.
3	5. 2015-2020 LRAM	Column N	Home Assistance Program multiplier changed to 12	A portion of the participants for the Home Assistance program reside in buildings with only General Service (Non-Residential) bulk accounts. For the portion of savings allocated to General Service
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.				

Service Classifications	Billing Unit	Year	Response	Threshold	Tabs	Source of Persistence Reports	Record
Residential	kWh	2006	Yes	2015	1. LRAMVA Summary	2011 Results Persistence	Current year savings
GS<50 kW	kWh	2007	No	0	2. LRAMVA Threshold	2012 Results Persistence	Adjustment
GS>50 kW	kW	2008	Not Applicable		3. Distribution Rates	2013 Results Persistence	
General Service ≥ 1,000 kW	kW	2009			4. 2011-2014 LRAM	2014 Results Persistence	
General Service ≥ 1,500 kW	kW	2010			5. 2015-2020 LRAM	2015 Results Persistence	
General Service 1,000 kW and Greater	kW	2011			6. Carrying Charges	2016 Results Persistence	
General Service 1,000 to 4,999 kW	kW	2012			7. Persistence Data	2017 Results Persistence	
General Service 1,000 to 4,999 kW (co-generation)	kW	2013				2018 Results Persistence	
General Service 1,500 to 4,999 kW	kW	2014				2019 Results Persistence	
General Service 3,000 to 4,999 kW	kW	2015				2020 Results Persistence	
General Service 50 to 1,499 kW	kW	2016					
General Service 50 to 2,999 kW	kW	2017					
General Service 50 to 4,999 kW	kW	2018					
General Service 50 to 499 kW	kW	2019					
General Service 50 to 699 kW	kW	2020					
General Service 50 to 999 kW	kW						
General Service 500 to 1,499 kW	kW						
General Service 500 to 4,999 kW	kW						
General Service 700 to 4,999 kW	kW						
General Service Demand Billed (50 kW and above) - GSd	kW						
General Service Intermediate 1,000 to 4,999 kW	kW						
Intermediate With Self Generation	kW						
Intermediate With Self Generation - excluding MUSH customers	kW						
Sub-Transmission (Embedded supply to LDC or loads > 500 kW) - ST	kW						
Unmetered Scattered Load	kWh						
Urban General Service Demand Billed (50 kW and above) - UGd	kW						
Embedded Distributor	kW						
Large Use	kW						
Sentinel Lighting	kW						
Standby Power	kW						
Standby Power - 1,500 - 4,999 kW	kW						
Standby Power - 1000-4999 kW	kW						
Standby Power - 50 - 1,499 kW	kW						
Standby Power - 50 - 499 kW	kW						
Standby Power - 50 - 4999 kW	kW						
Standby Power - 50 - 999 kW	kW						
Standby Power - 500 - 4999 kW	kW						
Standby Power - Large Use	kW						
Street Lighting	kW						

Ontario Energy Board

LRAMVA Work Form: Forecast Lost Revenues

Version 5.0 (2021)

Legend

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

Table 2-a. LRAMVA Threshold

2015

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

	Total	Residential	Competitive Sector Multi-Unit Residential Service	GS <50kW	GS 50-999kW	GS 1000-4999kW	Large Use								
		kWh	kWh	kWh	kW	kW	kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
kWh	55,893,405	17,641,528	359,473	37,892,403											
kW	238,029				155436.4876	42036.59122	40556.1436								
Summary		17641528.12	359473.4954	37892403.44	155436.4876	42036.59122	40556.1436	0	0	0	0	0	0	0	0

Years Included in Threshold	2015
Source of Threshold	EB-2014-0116, THESL Decision and Order, p. 38

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	Competitive Sector Multi-Unit Residential Service	GS <50kW	GS 50-999kW	GS 1000-4999kW	Large Use								
2018	2015	17,641,528	359,473	37,892,403	155,436	42,037	40,556	0	0	0	0	0	0	0	0
2019	2015	17,641,528	359,473	37,892,403	155,436	42,037	40,556	0	0	0	0	0	0	0	0

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

Ontario Energy Board

LRAMVA Work Form: Distribution Rates

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

Please complete Table 3 with the rate class specific distribution rates that pertain to the years of the LRAMVA disposition. Any adjustments that affect distribution rates can be incorporated in the calculation by expanding the "plus" button at the left hand bar. Table 3 will convert the distribution rates to a calendar year rate (January to December) based on the number of months entered in row 16 of each rate year starting from January to the start of the LDC's rate year. Please enter 0 in row 16, if the rate year begins on January 1. If there are additional adjustments (i.e., rows) added to Table 3, please adjust the formulas in Table 3-a accordingly.

	Billing Unit	EB-2009-XXXX	EB-2010-XXXX	EB-2011-XXXX	EB-2012-XXXX	EB-2013-XXXX	EB-2014-XXXX	EB-2015-XXXX	EB-2016-XXXX	EB-2017-0077	EB-2018-0071	EB-2019-XXXX	EB-2020-XXXX
Rate Year		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Period 1 (# months)													
Period 2 (# months)		*12*	*12*	*12*	*12*	*12*	*12*	*12*	*12*	*12*	*12*	*12*	*12*
Residential	kWh									$ 0.01063	$ 0.00553		
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.01063	$ 0.00553	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 0.01063**	**$ 0.00553**	**$ -**	
Competitive Sector Multi-Unit Residential Service	kWh									$ 0.01627	$ 0.00846		
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.01627	$ 0.00846	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 0.01627**	**$ 0.00846**	**$ -**	
GS <50kW	kWh									$ 0.03187	$ 0.03312		
Rate rider for tax sharing										$ 0.00076	$ 0.00076		
Rate rider for foregone revenue										$ 0.00024	$ 0.00024		
Rate Rider for Application of IFRS – 2014 Derecognition										$ 0.00049	$ 0.00049		
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.03336	$ 0.03461	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 0.03336**	**$ 0.03461**	**$ -**	
GS 50-999kW	kW									$ 7.7987	$ 8.1052		
Rate rider for tax sharing										$ 0.1659	$ 0.1659		
Rate rider for foregone revenue										$ 0.0498	$ 0.0498		
Rate Rider for Application of IFRS – 2014 Derecognition										$ 0.0781	$ 0.0781		
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 8.0925	$ 8.3990	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 8.0925**	**$ 8.3990**	**$ -**	
GS 1000-4999kW	kW									$ 6.1355	$ 6.3766		
Rate rider for tax sharing										$ 0.1226	$ 0.1226		
Rate rider for foregone revenue										$ 0.0356	$ 0.0356		
Rate Rider for Application of IFRS – 2014 Derecognition										$ 0.0627	$ 0.0627		
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 6.3564	$ 6.5975	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 6.3564**	**$ 6.5975**	**$ -**	
Large Use	kW									$ 6.5820	$ 6.8407		
Rate rider for tax sharing										$ 0.1382	$ 0.1382		
Rate rider for foregone revenue										$ 0.0406	$ 0.0406		
Rate Rider for Application of IFRS – 2014 Derecognition										$ 0.0648	$ 0.0648		
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 6.8256	$ 7.0843	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 6.8256**	**$ 7.0843**	**$ -**	
0	0												
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	
0	0												
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	

	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-2017-0077	EB-2018-0071	EB-2019-XXXX	EB-2020-XXXX
0	0												
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	
0	0												
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	
0	0												
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	
0	0												
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	
0	0												
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	
0	0												
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	

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

Table 3-a. Distribution Rates by Rate Class

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

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

Year	Residential	Competitive Sector Multi-Unit Residential Service	GS <50kW	GS 50-999kW	GS 1000-4999kW	Large Use								
	kWh	kWh	kWh	kW	kW	kW	0	0	0	0	0	0	0	0
2011	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2012	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2013	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2014	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2015	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2016	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2017	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2018	$0.0106	$0.0163	$0.0334	$8.0925	$6.3564	$6.8256	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2019	$0.0055	$0.0085	$0.0346	$8.3990	$6.5975	$7.0843	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000

Note: LDC to make note of the years removed from this table, whose distribution rates are not part of the LRAMVA disposition

Ontario Energy Board

LRAMVA Work Form:
Determination of Rate Class Allocations

Version 5.0 (2021)

Instructions

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

		2015											
		RES		RES120		GS<50		GSv 50-999kW		GS 1000-4999kW		GS>5MW	
Program	Framework	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh
Save on Energy Coupon Program	2015-2020	95%	95%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%
Save on Energy Instant Discount Program	2015-2020												
Save on Energy Heating & Cooling Program	2015-2020	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Save on Energy New Construction Program	2015-2020	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Save on Energy Home Assistance Program	2015-2020	60%	60%	0%	0%	26%	26%	14%	14%	0%	0%	0%	0%
Save on Energy Audit Funding Program	2015-2020	0%	0%	0%	0%	4%	4%	66%	66%	25%	25%	5%	5%
Save on Energy Retrofit Program	2015-2020	0%	0%	0%	0%	10%	7%	48%	48%	25%	25%	17%	20%
Save on Energy Small Business Lighting Program	2015-2020												
Save on Energy High Performance New Construction Program	2015-2020	0%	0%	0%	0%	1%	0%	45%	45%	6%	2%	48%	52%
Save on Energy Existing Building Commissioning Program	2015-2020												
Save on Energy Process & Systems Upgrades Program	2015-2020												
Save on Energy Energy Manager Program	2015-2020												
Save on Energy Monitoring & Targeting Program	2015-2020												
Save on Energy Energy Performance Program for Multi-Site Customers	2015-2020												
Adaptive Thermostat Local Program	2015-2020												
Business Refrigeration Local Program	2015-2020												
OPsaver Local Program	2015-2020												
PUMPsaver Local Program	2015-2020												
Pool Saver Local Program	2015-2020	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
RTUsaver Local Program	2015-2020												
Social Benchmarking Local Program	2015-2020												
Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation Fund Pilot Program	2015-2020												
Whole Home Pilot Program	2015-2020												
PUMPsaver LDC Innovation Fund Pilot Program	2015-2020	0%	0%	0%	0%	0%	0%	84%	82%	16%	18%	0%	0%
RTUsaver LDC Innovation Fund Pilot Program	2015-2020												
Electronics Take Back LDC Innovation Fund Pilot Program	2015-2020												
OPsaver LDC Innovation Fund Pilot Program	2015-2020												
Truckload Event LDC Innovation Fund Pilot Program	2015-2020												
EnerNOC Conservation Fund Pilot Program	CF	0%	0%	0%	0%	0%	0%	0%	44%	0%	56%	0%	0%
Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program	CF												
Loblaw P4P Conservation Fund Pilot Program	CF	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
Strategic Energy Group Conservation Fund Pilot Program	CF	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%
Appliance Retirement Initiative	2011-2014+2015	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Coupon Initiative	2011-2014+2015	95%	95%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%
Bi-Annual Retailer Event Initiative	2011-2014+2015	95%	95%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%
HVAC Incentives Initiative	2011-2014+2015	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Residential New Construction and Major Renovation Initiative	2011-2014+2015	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Energy Audit Initiative	2011-2014+2015	0%	0%	0%	0%	4%	4%	66%	66%	24%	24%	6%	6%
Efficiency: Equipment Replacement Incentive Initiative	2011-2014+2015	0%	0%	0%	0%	10%	7%	48%	48%	25%	25%	17%	20%
Direct Install Lighting and Water Heating Initiative	2011-2014+2015	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%
New Construction and Major Renovation Initiative	2011-2014+2015	0%	0%	0%	0%	1%	0%	45%	45%	6%	2%	48%	52%
Existing Building Commissioning Incentive Initiative	2011-2014+2015	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
Process and Systems Upgrades Initiatives - Project Incentive Initiative	2011-2014+2015	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%
Process and Systems Upgrades Initiatives - Energy Manager Initiative	2011-2014+2015	0%	0%	0%	0%	0%	0%	3%	12%	2%	10%	95%	77%
Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	2011-2014+2015												
Low Income Initiative	2011-2014+2015	60%	60%	0%	0%	26%	26%	14%	14%	0%	0%	0%	0%
Aboriginal Conservation Program	2011-2014+2015												
Program Enabled Savings	2011-2014+2015	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
OPsaver Program	2015-2020												
Residential Engagement Program	2015-2020												
RTUsaver Program	2015-2020												
Swimming Pool Efficiency Program	2015-2020												
Adaptive Thermostat Rebate Program	2015-2020												
MURB DIL Local Program	2015-2020												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14

		2016											
		RES		RES120		GS<50		GSv 50-999kW		GS 1000-4999kW		GS>5MW	
Program	Framework	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh
Save on Energy Coupon Program	2015-2020	95%	95%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%
Save on Energy Instant Discount Program	2015-2020												
Save on Energy Heating & Cooling Program	2015-2020	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Save on Energy New Construction Program	2015-2020	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Save on Energy Home Assistance Program	2015-2020	79%	79%	0%	0%	11%	11%	10%	10%	0%	0%	0%	0%
Save on Energy Audit Funding Program	2015-2020	0%	0%	0%	0%	8%	8%	73%	73%	12%	12%	7%	7%
Save on Energy Retrofit Program	2015-2020	0%	0%	0%	0%	8%	6%	53%	50%	23%	31%	15%	14%
Save on Energy Small Business Lighting Program	2015-2020	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%
Save on Energy High Performance New Construction Program	2015-2020	0%	0%	0%	0%	0%	0%	95%	93%	0%	2%	4%	5%
Save on Energy Existing Building Commissioning Program	2015-2020	0%	0%	0%	0%	0%	0%	28%	65%	72%	35%	0%	0%
Save on Energy Process & Systems Upgrades Program	2015-2020	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%
Save on Energy Energy Manager Program	2015-2020	0%	0%	0%	0%	0%	0%	57%	25%	0%	1%	43%	74%
Save on Energy Monitoring & Targeting Program	2015-2020												
Save on Energy Energy Performance Program for Multi-Site Customers	2015-2020												
Adaptive Thermostat Local Program	2015-2020												
Business Refrigeration Local Program	2015-2020												
OPsaver Local Program	2015-2020												
PUMPsaver Local Program	2015-2020	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
Pool Saver Local Program	2015-2020												
RTUsaver Local Program	2015-2020												
Social Benchmarking Local Program	2015-2020												
Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation Fund Pilot Program	2015-2020												
Whole Home Pilot Program	2015-2020												
PUMPsaver LDC Innovation Fund Pilot Program	2015-2020												
RTUsaver LDC Innovation Fund Pilot Program	2015-2020	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
Electronics Take Back LDC Innovation Fund Pilot Program	2015-2020	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
OPsaver LDC Innovation Fund Pilot Program	2015-2020	0%	0%	0%	0%	0%	0%	51%	51%	49%	49%	0%	0%
Truckload Event LDC Innovation Fund Pilot Program	2015-2020	95%	95%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%
EnerNOC Conservation Fund Pilot Program	CF												
Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program	CF	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Loblaw P4P Conservation Fund Pilot Program	CF												
Strategic Energy Group Conservation Fund Pilot Program	CF												
Appliance Retirement Initiative	2011-2014+2015												
Coupon Initiative	2011-2014+2015												
Bi-Annual Retailer Event Initiative	2011-2014+2015												
HVAC Incentives Initiative	2011-2014+2015												
Residential New Construction and Major Renovation Initiative	2011-2014+2015												
Energy Audit Initiative	2011-2014+2015												
Efficiency: Equipment Replacement Incentive Initiative	2011-2014+2015												
Direct Install Lighting and Water Heating Initiative	2011-2014+2015												
New Construction and Major Renovation Initiative	2011-2014+2015												
Existing Building Commissioning Incentive Initiative	2011-2014+2015												
Process and Systems Upgrades Initiatives - Project Incentive Initiative	2011-2014+2015												
Process and Systems Upgrades Initiatives - Energy Manager Initiative	2011-2014+2015												
Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	2011-2014+2015												
Low Income Initiative	2011-2014+2015												
Aboriginal Conservation Program	2011-2014+2015												
Program Enabled Savings	2011-2014+2015												
OPsaver Program	2015-2020												
Residential Engagement Program	2015-2020												
RTUsaver Program	2015-2020												
Swimming Pool Efficiency Program	2015-2020												
Adaptive Thermostat Rebate Program	2015-2020												
MURB DIL Local Program	2015-2020												
		15	16	17	18	19	20	21	22	23	24	25	26

		2017																																			
		RES		RES120		GS<50		GSv 50-999kW		GS 1000-4999kW		GS>5MW		RI
Program	Framework	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW
Save on Energy Coupon Program	2015-2020	95%	95%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	
Save on Energy Instant Discount Program	2015-2020	95%	95%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	95%
Save on Energy Heating & Cooling Program	2015-2020	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Save on Energy New Construction Program	2015-2020	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Save on Energy Home Assistance Program	2015-2020	70%	70%	0%	0%	22%	22%	8%	8%	0%	0%	0%	0%	70%
Save on Energy Audit Funding Program	2015-2020	0%	0%	0%	0%	7%	7%	65%	65%	21%	21%	7%	7%	0%
Save on Energy Retrofit Program	2015-2020	0%	0%	0%	0%	3%	5%	86%	70%	8%	16%	3%	8%	0%
Save on Energy Small Business Lighting Program	2015-2020	0%	0%	0%	0%	91%	89%	7%	9%	1%	1%	1%	1%	0%
Save on Energy High Performance New Construction Program	2015-2020	0%	0%	0%	0%	5%	9%	9%	15%	87%	75%	0%	0%	0%
Save on Energy Existing Building Commissioning Program	2015-2020	0%	0%	0%	0%	0%	0%	2%	8%	98%	92%	0%	0%	0%
Save on Energy Process & Systems Upgrades Program	2015-2020	0%	0%	0%	0%	0%	0%	0%	0%	65%	27%	35%	73%	0%
Save on Energy Energy Manager Program	2015-2020	0%	0%	0%	0%	2%	0%	9%	22%	3%	14%	85%	64%	0%
Save on Energy Monitoring & Targeting Program	2015-2020	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Save on Energy Energy Performance Program for Multi-Site Customers	2015-2020	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%
Adaptive Thermostat Local Program	2015-2020	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Business Refrigeration Local Program	2015-2020	0%	0%	0%	0%	77%	78%	17%	17%	4%	4%	1%	1%	0%
OPsaver Local Program	2015-2020	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PUMPsaver Local Program	2015-2020	0%	0%	0%	0%	5%	3%	78%	83%	17%	12%	0%	2%	0%
Pool Saver Local Program	2015-2020	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
RTUsaver Local Program	2015-2020	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Social Benchmarking Local Program	2015-2020	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation Fund Pilot Program	2015-2020	82%	83%	0%	0%	15%	15%	2%	2%	0%	0%	0%	0%	
Whole Home Pilot Program	2015-2020	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
PUMPsaver LDC Innovation Fund Pilot Program	2015-2020													
RTUsaver LDC Innovation Fund Pilot Program	2015-2020													
Electronics Take Back LDC Innovation Fund Pilot Program	2015-2020													
OPsaver LDC Innovation Fund Pilot Program	2015-2020													
Truckload Event LDC Innovation Fund Pilot Program	2015-2020													
EnerNOC Conservation Fund Pilot Program	CF													
Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program	CF													
Loblaw P4P Conservation Fund Pilot Program	CF													
Strategic Energy Group Conservation Fund Pilot Program	CF													
Appliance Retirement Initiative	2011-2014+2015													
Coupon Initiative	2011-2014+2015													
Bi-Annual Retailer Event Initiative	2011-2014+2015													
HVAC Incentives Initiative	2011-2014+2015													
Residential New Construction and Major Renovation Initiative	2011-2014+2015													
Energy Audit Initiative	2011-2014+2015													
Efficiency: Equipment Replacement Incentive Initiative	2011-2014+2015													
Direct Install Lighting and Water Heating Initiative	2011-2014+2015													
New Construction and Major Renovation Initiative	2011-2014+2015													
Existing Building Commissioning Incentive Initiative	2011-2014+2015													
Process and Systems Upgrades Initiatives - Project Incentive Initiative	2011-2014+2015													
Process and Systems Upgrades Initiatives - Energy Manager Initiative	2011-2014+2015													
Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	2011-2014+2015													
Low Income Initiative	2011-2014+2015													
Aboriginal Conservation Program	2011-2014+2015													
Program Enabled Savings	2011-2014+2015													
OPsaver Program	2015-2020													0%
Residential Engagement Program	2015-2020													100%
RTUsaver Program	2015-2020													0%
Swimming Pool Efficiency Program	2015-2020													100%
Adaptive Thermostat Rebate Program	2015-2020													100%
MURB DIL Local Program	2015-2020													0%
		27	28	29	30	31	32	33	34	35	36	37	38	39

Instructions

LDCs must clearly show how it has allocated actual CDM savings to applicable rate classes, including supp

		2018											2019											
		ES	RES120		GS<50		GSv 50-999kW		GS 1000-4999kW		GS>5MW		RES		RES120		GS<50		GSv 50-999kW		GS 1000-4999kW		GS>5MW	
Program	**Framework**	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh
Save on Energy Coupon Program	2015-2020																							
Save on Energy Instant Discount Program	2015-2020	95%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	95%	95%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%
Save on Energy Heating & Cooling Program	2015-2020	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Save on Energy New Construction Program	2015-2020	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Save on Energy Home Assistance Program	2015-2020	70%	0%	0%	20%	20%	11%	11%	0%	0%	0%	0%	70%	70%	0%	0%	20%	20%	11%	11%	0%	0%	0%	0%
Save on Energy Audit Funding Program	2015-2020	0%	0%	0%	15%	15%	71%	71%	13%	13%	1%	1%	0%	0%	0%	0%	9%	9%	69%	69%	17%	17%	5%	5%
Save on Energy Retrofit Program	2015-2020	0%	0%	0%	17%	12%	54%	55%	24%	30%	5%	3%	0%	0%	0%	0%	8%	7%	62%	56%	18%	24%	12%	13%
Save on Energy Small Business Lighting Program	2015-2020	0%	0%	0%	99%	99%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	93%	92%	7%	7%	0%	0%	0%	0%
Save on Energy High Performance New Construction Program	2015-2020	0%	0%	0%	1%	1%	48%	48%	16%	8%	35%	43%	0%	0%	0%	0%	1%	1%	48%	48%	16%	8%	35%	43%
Save on Energy Existing Building Commissioning Program	2015-2020	0%	0%	0%	0%	0%	17%	35%	83%	65%	0%	0%	0%	0%	0%	0%	0%	0%	17%	35%	83%	65%	0%	0%
Save on Energy Process & Systems Upgrades Program	2015-2020	0%	0%	0%	0%	0%	13%	19%	67%	58%	19%	23%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
Save on Energy Energy Manager Program	2015-2020	0%	0%	0%	3%	1%	22%	26%	8%	18%	67%	55%	0%	0%	0%	0%	3%	1%	22%	26%	8%	18%	67%	55%
Save on Energy Monitoring & Targeting Program	2015-2020	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Save on Energy Energy Performance Program for Multi-Site Customers	2015-2020	0%	0%	0%	0%	0%	12%	12%	68%	68%	20%	20%	0%	0%	0%	0%	0%	0%	12%	12%	68%	68%	20%	20%
Adaptive Thermostat Local Program	2015-2020	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Business Refrigeration Local Program	2015-2020	0%	0%	0%	69%	68%	19%	20%	7%	7%	5%	5%	0%	0%	0%	0%	75%	74%	19%	19%	5%	4%	2%	2%
OPsaver Local Program	2015-2020	0%	0%	0%	0%	0%	12%	12%	68%	68%	20%	20%	0%	0%	0%	0%	0%	0%	12%	12%	68%	68%	20%	20%
PUMPsaver Local Program	2015-2020	0%	0%	0%	5%	3%	77%	83%	18%	12%	0%	1%	0%	0%	0%	0%	5%	3%	77%	83%	18%	12%	0%	1%
Pool Saver Local Program	2015-2020	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
RTUsaver Local Program	2015-2020	0%	0%	0%	60%	60%	35%	35%	3%	3%	0%	0%	0%	0%	0%	0%	60%	60%	35%	35%	3%	3%	0%	0%
Social Benchmarking Local Program	2015-2020																							
Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation Fund Pilot Program	2015-2020																							
Whole Home Pilot Program	2015-2020																							
PUMPsaver LDC Innovation Fund Pilot Program	2015-2020																							
RTUsaver LDC Innovation Fund Pilot Program	2015-2020																							
Electronics Take Back LDC Innovation Fund Pilot Program	2015-2020																							
OPsaver LDC Innovation Fund Pilot Program	2015-2020																							
Truckload Event LDC Innovation Fund Pilot Program	2015-2020																							
EnerNOC Conservation Fund Pilot Program	CF																							
Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program	CF																							
Loblaw P4P Conservation Fund Pilot Program	CF																							
Strategic Energy Group Conservation Fund Pilot Program	CF																							
Appliance Retirement Initiative	2011-2014+2015																							
Coupon Initiative	2011-2014+2015																							
Bi-Annual Retailer Event Initiative	2011-2014+2015																							
HVAC Incentives Initiative	2011-2014+2015																							
Residential New Construction and Major Renovation Initiative	2011-2014+2015																							
Energy Audit Initiative	2011-2014+2015																							
Efficiency: Equipment Replacement Incentive Initiative	2011-2014+2015																							
Direct Install Lighting and Water Heating Initiative	2011-2014+2015																							
New Construction and Major Renovation Initiative	2011-2014+2015																							
Existing Building Commissioning Incentive Initiative	2011-2014+2015																							
Process and Systems Upgrades Initiatives - Project Incentive Initiative	2011-2014+2015																							
Process and Systems Upgrades Initiatives - Energy Manager Initiative	2011-2014+2015																							
Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	2011-2014+2015																							
Low Income Initiative	2011-2014+2015																							
Aboriginal Conservation Program	2011-2014+2015																							
Program Enabled Savings	2011-2014+2015																							
OPsaver Program	2015-2020	0%	0%	0%	0%	0%	12%	12%	68%	68%	20%	20%	0%	0%	0%	0%	0%	0%	12%	12%	68%	68%	20%	20%
Residential Engagement Program	2015-2020	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
RTUsaver Program	2015-2020	0%	0%	0%	60%	60%	35%	35%	3%	3%	0%	0%	0%	0%	0%	0%	60%	60%	35%	35%	3%	3%	0%	0%
Swimming Pool Efficiency Program	2015-2020	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Adaptive Thermostat Rebate Program	2015-2020	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MURB DIL Local Program	2015-2020	0%	25%	25%	0%	5%	69%	65%	6%	5%	0%	0%	0%	0%	25%	25%	0%	5%	69%	65%	6%	5%	0%	0%
1	2	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62

Ontario Energy Board

LRAMVA Work Form:
2015 - 2020 Lost Revenues Work Form

Version 5.0 (2021)

Legend

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

Instructions

1. LDCs can apply for disposition of LRAMVA amounts at any time, but at a minimum, must do so as part of a cost of service (COS) application. The following LRAMVA work forms apply to LDCs that need to recover lost revenues from the 2015-2020 period. Please input or manually link the savings, adjustments and program savings persistence data in these tables from the LDC's Persistence Reports provided by the IESO (in Tab 7). As noted earlier, persistence data is available upon request from the IESO. Please also be advised that the same rate classes (of up to 14) are carried over from the Summary Tab 1.

2. Please ensure that the IESO verified savings adjustments apply back to the program year it relates to. For example, savings adjustments related to 2016 programs that were reported by the IESO in 2017 should be included in the 2016 program savings table. In order for persisting savings to be claimed in future years, past year's initiative level savings results need to be filled out in the tables below. If the IESO adjustments were made available to the LDC after the LRAMVA was approved, the persistence of those savings adjustments in the future can be claimed as approved LRAMVA amounts are considered to be final.

3. The work forms below include the monthly multipliers for most programs in order to claim demand savings from energy efficiency programs, consistent with the monthly multipliers indicated in the OEB's updated LRAM policy related to peak demand savings in EB-2016-0182. Demand Response (DR3) savings should generally not be included with the LRAMVA calculation, unless suported by empirical evidence. LDCs are requested to confirm the monthly multipliers for all programs each year as placeholder values are provided. If a different monthly multiplier is used, please include rationale in Tab 1-a and highlight the new multiplier that has been used.

4. LDC are requested to input the applicable rate class allocation percentages to allocate actual savings to the rate classes. The generic template currently includes the same allocation percentage for program savings and its savings adjustments. If a different allocation is proposed for savings adjustments, LDCs must provide supporting rationale in Tab 1-a and highlight the change.

5. The persistence of future savings is expected to be included in the distributor's load forecast after re-basing. LDCs are requested to delete the applicable savings persistence rows (auto-calculated after the LRAMVA totals for the year) if future year's persistence of savings is already captured in the updated load forecast. Please also provide assumptions about the years in which persistence is captured in the load forecast calculation in the "Notes" section below each table.

Tables

Table 5-a. 2015 Lost Revenues
Table 5-b. 2016 Lost Revenues
Table 5-c. 2017 Lost Revenues
Table 5-d. 2018 Lost Revenues
Table 5-e. 2019 Lost Revenues
Table 5-f. 2020 Lost Revenues

		0.9168	0.9211	0.9261

Table 5-a. 2015 Lost Revenues Work Form

	Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)									Rate Allocations for LRAMVA														
			2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Residential	Competitive Sector Multi-Unit Residential Service	GS <50kW	GS 50-999kW	GS 1000-4999kW	Large Use									Total
	Legacy Framework																							kWh	kWh	kWh	kW	kW	kW	0	0	0	0	0	0	0	0	
	Residential Program																																						
1	Coupon Initiative	Verified	2,535,775	2,516,475	2,516,475	2,516,475	2,516,475	2,516,475	2,516,475	2,515,780	2,515,780	2,515,780		161	160	160	160	160	160	160	160	160	160	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2	Bi-Annual Retailer Event Initiative	Verified	4,242,771	4,096,716	4,096,716	4,096,716	4,096,716	4,096,716	4,096,716	4,096,716	4,096,716	4,096,716		315	306	306	306	306	306	306	306	306	306	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
3	Appliance Retirement Initiative	Verified	315,844	315,844	315,844	313,234	177,848	0	0	0	0	0		50	50	50	47	26	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
4	HVAC Incentives Initiative	Verified	3,398,974	3,398,974	3,398,974	3,398,974	3,398,974	3,398,974	3,398,974	3,398,974	3,398,974	3,398,974		1,768	1,768	1,768	1,768	1,768	1,768	1,768	1,768	1,768	1,768	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
5	Residential New Construction and Major Renovation	Verified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Commercial & Institutional Program																																						
6	Energy Audit Initiative	Verified	7,005,020	7,005,020	7,005,020	7,005,020	7,005,028	7,005,028	7,005,028	7,005,028	7,005,028	7,005,028	12	1,493	1,493	1,493	1,493	1,554	1,554	1,554	1,554	1,554	1,554	0.00%	0.00%	4.00%	66.40%	24.00%	5.60%									100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	4.00%	66.40%	24.00%	5.60%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
7	Efficiency: Equipment Replacement Incentive Initiative	Verified	160,764,586	160,764,585	160,764,586	160,885,037	160,885,037	160,878,543	160,878,545	160,878,545	160,197,694	137,972,437	12	24,142	24,143	24,142	24,180	24,180	24,178	24,178	24,178	23,964	20,967	0.00%	0.00%	7.34%	48.10%	25.04%	16.85%									97%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	7.34%	48.10%	25.04%	16.85%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
8	Direct Install Lighting and Water Heating Initiative	Verified	6,890,643	6,890,642	6,890,642	7,189,098	7,189,098	7,189,098	7,189,098	7,189,098	7,189,098	7,189,098	12	1,570	1,569	1,570	1,635	1,635	1,635	1,635	1,635	1,635	1,635	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
9	New Construction and Major Renovation Initiative	Verified	25,471,986	25,471,986	25,471,986	25,471,986	25,460,834	25,460,834	25,460,834	25,460,834	25,384,446	25,384,446	12	7,095	7,095	7,095	7,095	7,093	7,093	7,093	7,093	7,070	7,070	0.00%	0.00%	0.28%	45.13%	5.99%	48.36%									100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.28%	45.13%	5.99%	48.36%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
10	Existing Building Commissioning Incentive Initiative	Verified	521,754	521,754	521,754	243,087	243,087	243,087	243,087	243,087	243,087	243,087	3	221	221	221	74	74	74	74	74	74	74	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%									100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Industrial Program																																						
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	Verified	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%									100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%									0%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative	Verified	8,403,488	5,924,154	5,243,941	5,243,941	5,137,854	5,012,537	5,012,537	4,955,357	4,659,602	3,829,660	12	2,711	1,899	1,665	1,665	1,640	1,640	1,640	1,640	1,589	1,292	0.00%	0.00%	0.46%	3.14%	1.65%	95.22%									100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.46%	3.14%	1.65%	95.22%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Low Income Program																																						
14	Low Income Initiative	Verified	1,680,074	1,359,363	1,312,372	1,265,424	1,248,299	1,248,299	1,226,335	1,211,186	722,324	720,363	12	151	135	133	130	129	129	128	128	103	101	60.00%	0.00%	26.00%	14.00%	0.00%	0.00%									100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	60.00%	0.00%	26.00%	14.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other																																						
15	Pool Saver Local Program	Verified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2015 savings	Unverified	2,467	2,467	2,467	2,467	2,467	2,467	2,467	2,467	2,467	2,467		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
16	Program Enabled Savings	Verified	311,368	311,368	311,368	311,368	311,368	311,368	311,368	311,368	311,368	311,368	12	26	26	26	26	26	26	26	26	26	26	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%									100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

	Conservation Fund Pilots																																								
17	EnerNOC Conservation Fund Pilot Program	Verified	198,755	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												0%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
18	Loblaw P4P Conservation Fund Pilot Program	Verified	2,469,300	2,469,300	2,469,300	2,469,300	2,469,300	2,469,300	2,469,300	2,469,300	2,469,300	2,469,300	12	193	193	193	193	193	193	193	193	193	193	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%												100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
19	Strategic Energy Group Conservation Fund Pilot Program	Verified	2,577,024	0	0	0	0	0	0	0	0	0	12	294	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%												100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
	Conservation First Framework																																								
	Residential Province-Wide Programs																																								
21	Save on Energy Coupon Program	Verified	15,588,830	15,459,881	15,459,881	15,459,881	15,459,881	15,459,881	15,459,881	15,450,930	15,450,930	15,450,930		999	990	990	990	990	990	990	989	989	989	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%												100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
22	Save on Energy Heating & Cooling Program	Verified	4,022,885	4,022,885	4,022,885	4,022,885	4,022,885	4,022,885	4,022,885	4,022,885	4,022,885	4,022,885		2,097	2,097	2,097	2,097	2,097	2,097	2,097	2,097	2,097	2,097	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%												100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
23	Save on Energy New Construction Program	Verified	39,186	39,186	39,186	39,186	39,186	39,186	39,186	39,186	39,186	39,186		9	9	9	9	9	9	9	9	9	9	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%												100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
24	Save on Energy Home Assistance Program	Verified	282,586	276,445	275,582	274,718	274,420	274,420	272,668	272,668	263,738	262,657	12	39	38	38	38	38	38	38	38	38	37	60.00%	0.00%	26.00%	14.00%	0.00%	0.00%												100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	60.00%	0.00%	26.00%	14.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
	Non-Residential Province-Wide Programs																																								
25	Save on Energy Audit Funding Program	Verified	251,367	251,367	251,367	251,367	251,367	251,367	251,367	251,367	251,367	251,367	12	54	54	54	54	54	54	54	54	54	54	0.00%	0.00%	3.88%	65.89%	24.81%	5.43%												100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	3.88%	65.89%	24.81%	5.43%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
26	Save on Energy Retrofit Program	Verified	39,245,856	39,245,856	39,245,856	39,314,316	39,314,316	39,290,365	39,290,365	39,290,365	39,019,791	33,777,505	12	4,930	4,930	4,930	4,951	4,951	4,944	4,944	4,944	4,859	4,030	0.00%	0.00%	7.39%	48.04%	25.01%	16.86%												97%
	Adjustment to 2015 savings	Unverified	586,304	584,967	583,447	583,447	583,447	583,009	556,637	556,637	551,422	467,438	12	17	17	17	17	17	17	16	16	16	13	0.00%	0.00%	7.39%	48.04%	25.01%	16.86%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
27	Save on Energy Small Business Lighting Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												0%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
28	Save on Energy High Performance New Construction Program	Verified	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	12	21	21	21	21	21	21	21	21	21	21	0.00%	0.00%	0.28%	45.13%	5.99%	48.36%												100%
	Adjustment to 2015 savings	Unverified	165,899	165,899	165,899	165,899	165,899	165,899	165,899	165,899	165,899	165,899	12	27	27	27	27	27	27	27	27	27	27	0.00%	0.00%	0.28%	45.13%	5.99%	48.36%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
29	Save on Energy Existing Building Commissioning Program	Verified	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												0%
	Adjustment to 2015 savings	Unverified	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	3	41	41	41	41	41	41	41	41	41	41	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
30	Save on Energy Process & Systems Upgrades Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												0%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
31	Save on Energy Monitoring & Targeting Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												0%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
32	Save on Energy Energy Manager Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%												0%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
	Pilot Programs																																								
36	PUMPsaver LDC Innovation Fund Pilot Program	Verified	667,979	667,979	667,979	667,979	667,979	667,979	667,979	667,979	667,979	667,979	12	68	68	68	68	68	68	68	68	68	68	0.00%	0.00%	0.00%	83.82%	16.18%	0.00%												100%
	Adjustment to 2015 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	83.82%	16.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
	Actual CDM Savings in 2015		**293,237,551**											**48,492**										**30,205,960**	**1,118,369**	**22,545,375**	**224,202**	**101,175**	**132,281**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**			
	Forecast CDM Savings in 2015																							**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**			
	Distribution Rate in 2015																							$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 2015 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 2015 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 2015 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 2015 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			
	Lost Revenue in 2015 from 2015 programs																							$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00			
	Total Lost Revenues in 2015																							**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**			
	Forecast Lost Revenues in 2015																							**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**			
	LRAMVA in 2015																																								**$0.00**
	2015 Savings Persisting in 2016																							29,730,260	1,103,654	22,448,990	223,873	97,489	123,005	0	0	0	0	0	0	0	0			
	2015 Savings Persisting in 2017																							29,701,547	1,103,654	22,433,335	223,775	97,440	120,329	0	0	0	0	0	0	0	0			
	2015 Savings Persisting in 2018																							29,670,250	1,103,654	22,733,259	223,670	97,617	120,448	0	0	0	0	0	0	0	0			
	2015 Savings Persisting in 2019																							29,524,410	1,103,654	22,728,215	224,134	97,786	120,192	0	0	0	0	0	0	0	0			
	2015 Savings Persisting in 2020																							29,346,562	1,103,654	22,725,364	224,082	97,759	120,174	0	0	0	0	0	0	0	0			

Note: LDC to make note of key assumptions included above

Table 5-b. 2016 Lost Revenues Work Form

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	Program	Results Status	Net Energy Savings (kWh) 2016	Net Energy Savings Persistence (kWh) 2017	2018	2019	2020	2021	2022	2023	2024	2025	Monthly Multiplier	Net Demand Savings (kW) 2016	Net Peak Demand Savings Persistence (kW) 2017	2018	2019	2020	2021	2022	2023	2024	2025
	Conservation Fund Pilots																						
17	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program	Verified	9,426	9,426	9,426	9,426	9,426	9,426	9,426	9,426	9,426	9,426		1	1	1	1	1	1	1	1	1	1
	Adjustment to 2016 savings	Unverified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
	Conservation First Framework																						
	Residential Province-Wide Programs																						
21	Save on Energy Coupon Program	Verified	84,731,669	84,731,669	84,731,669	84,731,669	84,731,669	84,731,669	84,731,669	84,721,464	84,721,464	84,467,210		5,497	5,497	5,497	5,497	5,497	5,497	5,497	5,496	5,496	5,480
	Adjustment to 2016 savings	Unverified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
22	Save on Energy Heating & Cooling Program	Verified	9,408,436	9,408,436	9,408,436	9,408,436	9,408,436	9,408,436	9,408,436	9,408,436	9,408,436	9,408,436		2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759	2,759
	Adjustment to 2016 savings	Unverified	6,956	6,956	6,956	6,956	6,956	6,956	6,956	6,956	6,956	6,956		0	0	0	0	0	0	0	0	0	0
23	Save on Energy New Construction Program	Verified	236,600	236,600	236,600	236,600	236,600	236,600	236,600	236,600	236,600	236,600		47	47	47	47	47	47	47	47	47	47
	Adjustment to 2016 savings	Unverified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
24	Save on Energy Home Assistance Program	Verified	1,171,231	1,163,312	1,155,393	1,155,393	1,155,393	1,154,224	1,148,697	1,146,706	1,056,786	849,455	12	139	139	138	138	138	138	137	137	133	106
	Adjustment to 2016 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
	Non-Residential Province-Wide Programs																						
25	Save on Energy Audit Funding Program	Verified	2,063,394	2,063,394	2,063,394	2,063,394	2,063,394	2,063,394	2,063,394	2,063,394	2,063,394	2,063,394	12	270	270	270	270	270	270	270	270	270	270
	Adjustment to 2016 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
26	Save on Energy Retrofit Program	Verified	213,504,101	213,504,101	213,752,724	213,752,724	213,741,433	212,159,227	212,159,227	212,159,227	211,504,345	211,504,345	12	32,620	32,620	32,674	32,674	32,673	32,414	32,414	32,414	32,290	32,290
	Adjustment to 2016 savings	Unverified	4,358,076	4,358,076	4,363,151	4,363,151	4,362,920	4,330,624	4,330,624	4,330,624	4,317,256	4,317,256	12	365	365	366	366	366	363	363	363	362	362
27	Save on Energy Small Business Lighting Program	Verified	69,159	69,159	68,212	63,414	57,251	38,029	34,440	22,867	16,642	11,861	12	11	11	11	11	10	8	8	6	5	4
	Adjustment to 2016 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
28	Save on Energy High Performance New Construction Program	Verified	8,928,546	8,928,546	8,928,546	8,928,546	8,928,546	8,928,546	8,928,546	8,928,546	8,928,546	8,928,546	12	2,382	2,382	2,382	2,382	2,382	2,382	2,382	2,382	2,382	2,382
	Adjustment to 2016 savings	Unverified	877,779	877,779	877,779	877,779	877,779	877,779	877,779	877,779	877,779	877,779	12	137	137	137	137	137	137	137	137	137	137
29	Save on Energy Existing Building Commissioning Program	Verified	730,126	730,126	730,126	730,126	730,126	0	0	0	0	0	3	83	83	83	83	83	0	0	0	0	0
	Adjustment to 2016 savings	Unverified	461,669	461,669	461,669	461,669	461,669	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
30	Save on Energy Process & Systems Upgrades Program	Verified	18,830,827	18,830,827	18,830,827	18,830,827	18,830,827	18,491,408	18,491,408	18,491,408	18,491,408	18,491,408	12	23	23	23	23	23	0	0	0	0	0
	Adjustment to 2016 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
31	Save on Energy Monitoring & Targeting Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
	Adjustment to 2016 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
32	Save on Energy Energy Manager Program	Verified	15,533,844	15,313,143	15,116,813	14,814,037	14,814,037	6,415,435	5,552,685	5,552,685	5,552,685	5,552,685	12	1,499	1,462	1,447	1,425	1,425	539	439	439	439	439
	Adjustment to 2016 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
	Local & Regional Programs																						
33	Business Refrigeration Local Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
	Adjustment to 2016 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
34	PUMPsaver Local Program	Verified	988,259	988,259	988,259	988,259	988,259	988,259	988,259	988,259	988,259	988,259	12	89	89	89	89	89	89	89	89	89	89
	Adjustment to 2016 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
35	Social Benchmarking Local Program	Verified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
	Adjustment to 2016 savings	Unverified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
	Pilot Programs																						
36	RTUsaver LDC Innovation Fund Pilot Program	Verified	370,393	370,393	370,393	370,393	370,393	370,393	370,393	370,393	370,393	370,393	12	27	27	27	27	27	27	27	27	27	27
	Adjustment to 2016 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
37	Electronics Take Back LDC Innovation Fund Pilot Program	Verified	1,145,480	1,145,480	1,145,480	1,145,480	1,145,480	947,192	946,737	946,737	0	0		36	36	36	36	36	30	30	30	0	0
	Adjustment to 2016 savings	Unverified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
38	Truckload Event LDC Innovation Fund Pilot Program	Verified	3,295,945	3,295,945	3,295,945	3,295,945	3,295,945	3,295,945	3,295,945	3,295,945	3,295,945	3,295,945		207	207	207	207	207	207	207	207	207	207
	Adjustment to 2016 savings	Unverified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
39	OPsaver LDC Innovation Fund Pilot Program	Verified	2,864,454	2,864,454	2,864,454	2,864,454	2,864,454	2,864,454	2,864,454	2,864,454	2,818,914	2,368,295	12	2	2	2	2	2	2	2	2	2	6
	Adjustment to 2016 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
	Actual CDM Savings in 2016		**369,586,369**											**46,195**									
	Forecast CDM Savings in 2016																						

	Rate Allocations for LRAMVA: Residential	Competitive Sector Multi-Unit Residential Service	GS <50kW	GS 50-999kW	GS 1000-4999kW	Large Use									Total
17	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
21	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%									100%
	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
22	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
23	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
24	79.00%	0.00%	11.00%	10.00%	0.00%	0.00%									100%
	79.00%	0.00%	11.00%	10.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
25	0.00%	0.00%	7.88%	72.73%	12.12%	7.27%									100%
	0.00%	0.00%	7.88%	72.73%	12.12%	7.27%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
26	0.00%	0.00%	6.19%	53.47%	23.40%	15.13%									98%
	0.00%	0.00%	6.19%	53.47%	23.40%	15.13%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
27	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%									100%
	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
28	0.00%	0.00%	0.05%	95.19%	0.42%	4.28%									100%
	0.00%	0.00%	0.05%	95.19%	0.42%	4.28%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
29	0.00%	0.00%	0.00%	28.00%	72.00%	0.00%									100%
	0.00%	0.00%	0.00%	28.00%	72.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
30	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%									100%
	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
31	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%									0%
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
32	0.00%	0.00%	0.00%	57.14%	0.00%	42.86%									100%
	0.00%	0.00%	0.00%	57.14%	0.00%	42.86%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
33	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%									0%
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
34	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%									100%
	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
35	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%									0%
	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
36	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%									100%
	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
37	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
38	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%									100%
	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
39	0.00%	0.00%	0.00%	50.54%	49.46%	0.00%									100%
	0.00%	0.00%	0.00%	50.54%	49.46%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Actual CDM Savings in 2016	**95,358,403**	**4,401,381**	**13,853,314**	**254,719**	**93,619**	**69,123**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
Forecast CDM Savings in 2016	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	

Distribution Rate in 2016	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	
Lost Revenue in 2016 from 2011 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2016 from 2012 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2016 from 2013 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2016 from 2014 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2016 from 2015 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2016 from 2016 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total Lost Revenues in 2016	**$0.00**	**$0.00**	**$0.00**	**$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 2016	**$0.00**	**$0.00**	**$0.00**	**$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 2016															**$0.00**
2016 Savings Persisting in 2017	95,352,147	4,401,381	13,852,443	254,466	93,619	68,933	0	0	0	0	0	0	0	0	
2016 Savings Persisting in 2018	95,345,891	4,401,381	13,866,331	254,712	93,773	68,955	0	0	0	0	0	0	0	0	
2016 Savings Persisting in 2019	95,345,891	4,401,381	13,861,533	254,561	93,773	68,842	0	0	0	0	0	0	0	0	
2016 Savings Persisting in 2020	95,345,891	4,401,381	13,854,657	254,555	93,770	68,840	0	0	0	0	0	0	0	0	

Note: LDC to make note of key assumptions included above

Table 5-c. 2017 Lost Revenues Work Form

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	Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)									Rate Allocations for LRAMVA														Total
				2017	2018	2019	2020	2021	2022	2023	2024	2025	2026		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Residential	Competitive Sector Multi-Unit Residential Service	GS <50kW	GS 50-999kW	GS 1000-4999kW	Large Use									
	Conservation First Framework																																						
	Residential Province-Wide Programs																																						
21	Save on Energy Coupon Program	Verified		85,853,313	69,054,570	69,054,570	69,054,570	69,054,570	69,054,570	69,054,570	69,053,922	69,053,922	68,897,194		5,922	4,795	4,795	4,795	4,795	4,795	4,795	4,795	4,795	4,785	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2017 savings	Unverified		0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
22	Save on Energy Heating & Cooling Program	Verified		7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090		2,087	2,087	2,087	2,087	2,087	2,087	2,087	2,087	2,087	2,087	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2017 savings	Unverified		858,604	858,604	858,604	858,604	858,604	858,604	858,604	858,604	858,604	858,604		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
23	Save on Energy New Construction Program	Verified		236,476	236,476	236,476	236,476	236,476	236,476	236,476	236,476	236,476	236,476		73	73	73	73	73	73	73	73	73	73	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2017 savings	Unverified		130,187	130,187	130,187	130,187	130,187	130,187	130,187	130,187	130,187	130,187		9	9	9	9	9	9	9	9	9	9	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
24	Save on Energy Home Assistance Program	Verified		773,687	773,687	773,687	773,687	773,687	773,687	773,687	773,687	773,687	773,199	12	165	165	165	165	165	165	165	165	165	164	70.00%	0.00%	22.00%	8.00%	0.00%	0.00%									100%
	Adjustment to 2017 savings	Unverified		0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	70.00%	0.00%	22.00%	8.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
39	Save on Energy Instant Discount Program	Verified		68,945,047	49,929,208	49,929,208	49,929,208	49,929,208	49,929,208	49,929,208	49,928,242	49,928,242	49,928,242		4,728	3,453	3,453	3,453	3,453	3,453	3,453	3,453	3,453	3,453	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2017 savings	Unverified		92,404	74,323	74,323	74,323	74,323	74,323	74,323	74,322	74,322	74,154		0	0	0	0	0	0	0	0	0	0	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-Residential Province-Wide Programs																																						
25	Save on Energy Audit Funding Program	Verified		9,604,049	9,604,049	9,604,049	9,604,049	9,604,049	9,604,049	9,604,049	9,604,049	9,604,049	8,294,829	12	427	427	427	427	427	427	427	427	427	368	0.00%	0.00%	7.18%	65.19%	20.99%	6.63%									100%
	Adjustment to 2017 savings	Unverified		0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	7.18%	65.19%	20.99%	6.63%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
26	Save on Energy Retrofit Program	Verified		146,418,548	146,934,275	146,934,275	146,934,275	146,934,275	138,991,065	138,991,065	138,991,065	138,343,482	138,343,482	12	21,105	21,213	21,213	21,213	21,213	19,944	19,944	19,944	19,933	19,933	0.00%	0.00%	4.79%	85.90%	7.65%	3.45%									102%
	Adjustment to 2017 savings	Unverified		48,636,943	48,808,256	48,808,256	48,808,256	48,808,256	46,169,701	46,169,701	46,169,701	45,954,588	45,954,588	12	4,919	4,944	4,944	4,944	4,944	4,649	4,649	4,649	4,646	4,646	0.00%	0.00%	4.79%	85.90%	7.65%	3.45%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
27	Save on Energy Small Business Lighting Program	Verified		5,306,383	5,306,383	5,103,412	5,056,360	4,473,704	3,596,315	2,967,259	2,001,022	1,478,271	980,161	12	1,159	1,159	1,140	1,135	1,052	906	781	562	430	291	0.00%	0.00%	89.38%	7.35%	0.89%	1.02%									99%
	Adjustment to 2017 savings	Unverified		10,019	10,019	9,636	9,547	8,447	6,790	5,603	3,778	2,791	1,851	12	3	3	3	3	3	3	2	2	1	1	0.00%	0.00%	89.38%	7.35%	0.89%	1.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
28	Save on Energy High Performance New Construction Program	Verified		2,610,141	2,610,141	2,610,141	2,610,141	2,610,141	2,610,141	2,610,141	2,610,141	2,610,141	2,610,141	12	1,365	1,365	1,365	1,365	1,365	1,365	1,365	1,365	1,365	1,365	0.00%	0.00%	9.28%	8.71%	86.51%	0.00%									104%
	Adjustment to 2017 savings	Unverified		1,099,364	1,099,364	1,099,364	1,099,364	1,099,364	1,099,364	1,099,364	1,099,364	1,099,364	1,099,364	12	612	612	612	612	612	612	612	612	612	612	0.00%	0.00%	9.28%	8.71%	86.51%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
29	Save on Energy Existing Building Commissioning Program	Verified		788,072	788,072	788,072	788,072	788,072	0	0	0	0	0	3	62	62	62	62	62	0	0	0	0	0	0.00%	0.00%	0.00%	1.95%	98.05%	0.00%									100%
	Adjustment to 2017 savings	Unverified		226,738	226,738	226,738	226,738	226,738	0	0	0	0	0	3	100	100	100	100	100	0	0	0	0	0	0.00%	0.00%	0.00%	1.95%	98.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
30	Save on Energy Process & Systems Upgrades Program	Verified		2,544,428	2,544,428	2,544,428	2,544,428	2,544,428	2,544,428	2,544,428	2,544,428	2,544,428	2,544,428	12	704	704	704	704	704	704	704	704	704	704	0.00%	0.00%	0.00%	0.00%	65.49%	34.51%									100%
	Adjustment to 2017 savings	Unverified		813,010	813,010	813,010	813,010	813,010	813,010	813,010	813,010	813,010	813,010	12	94	94	94	94	94	94	94	94	94	94	0.00%	0.00%	0.00%	0.00%	65.49%	34.51%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
31	Save on Energy Energy Performance Program for Multi-Site Customers	Verified		1,724,912	1,724,912	1,724,912	1,724,912	1,724,912	1,272,658	479,263	479,263	338,665	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%									100%
	Adjustment to 2017 savings	Unverified		0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
32	Save on Energy Energy Manager Program	Verified		6,776,413	5,723,635	5,488,564	4,700,813	4,700,813	3,722,531	3,160,330	3,160,330	3,160,330	3,160,330	12	341	329	329	329	329	265	168	168	168	168	0.00%	0.00%	0.35%	9.26%	2.93%	85.46%									98%
	Adjustment to 2017 savings	Unverified		0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.35%	9.26%	2.93%	85.46%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Local & Regional Programs																																						
33	Business Refrigeration Local Program	Verified		3,480,662	3,480,662	3,480,662	3,102,160	2,774,799	2,718,568	2,718,568	2,718,568	2,718,568	2,718,568	12	478	478	478	410	351	351	351	351	351	351	0.00%	0.00%	77.74%	17.35%	4.18%	1.29%									101%
	Adjustment to 2017 savings	Unverified		0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	77.74%	17.35%	4.18%	1.29%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
34	PUMPsaver Local Program	Verified		15,568,700	15,568,700	15,568,700	15,568,700	15,568,700	15,568,700	15,568,700	15,568,700	15,568,700	15,568,700	12	2,001	2,001	2,001	2,001	2,001	2,001	2,001	2,001	2,001	2,001	0.00%	0.00%	3.30%	77.58%	17.49%	0.00%									98%
	Adjustment to 2017 savings	Unverified		240,788	240,788	240,788	240,788	240,788	240,788	240,788	240,788	240,788	240,788	12	41	41	41	41	41	41	41	41	41	41	0.00%	0.00%	3.30%	77.58%	17.49%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
35	Social Benchmarking Local Program	Verified		10,476,472	10,476,472	10,476,472	10,476,472	0	0	0	0	0	0		2,324	2,324	2,324	2,324	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2017 savings	Unverified		0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
36	Pool Saver Local Program	Verified		1,401,850	1,401,850	1,401,850	1,401,850	1,401,850	1,401,850	1,401,850	1,401,850	1,401,850	1,401,850		268	268	268	268	268	268	268	268	268	268	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2017 savings	Unverified		5,049	5,049	5,049	5,049	5,049	5,049	5,049	5,049	5,049	5,049		2	2	2	2	2	2	2	2	2	2	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
37	Adaptive Thermostat Local Program	Verified		0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2017 savings	Unverified		375,276	375,276	375,276	375,276	375,276	375,276	375,276	375,276	375,276	375,276		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
38	Whole Home Pilot Program	Verified		1,131,518	1,131,518	1,131,518	1,131,518	1,128,806	1,119,867	1,119,867	1,119,867	1,119,867	1,119,867		144	144	144	144	144	143	143	143	143	143	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2017 savings	Unverified		0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
40	Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation Fund Pilot Program	Verified		373,136	373,136	373,136	373,136	373,136	373,136	373,136	373,136	373,136	372,824	12	78	78	78	78	78	78	78	78	78	78	82.61%	0.00%	15.36%	2.41%	0.00%	0.00%									100%
	Adjustment to 2017 savings	Unverified		0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	82.61%	0.00%	15.36%	2.41%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Actual CDM Savings in 2017		**423,830,280**												**49,211**										**169,939,566**	**7,744,538**	**18,607,772**	**295,273**	**56,995**	**18,126**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
	Forecast CDM Savings in 2017																								**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
	Distribution Rate in 2017																								$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 2017 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 2017 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 2017 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 2017 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
	Lost Revenue in 2017 from 2015 programs																								$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Lost Revenue in 2017 from 2016 programs																								$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Lost Revenue in 2017 from 2017 programs																								$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	Total Lost Revenues in 2017																								**$0.00**	**$0.00**	**$0.00**	**$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 2017																								**$0.00**	**$0.00**	**$0.00**	**$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 2017																																						**$0.00**
	2017 Savings Persisting in 2018																								135,898,536	5,952,905	18,636,967	296,632	57,113	18,058	0	0	0	0	0	0	0	0	
	2017 Savings Persisting in 2019																								135,898,536	5,952,905	18,454,386	296,615	57,111	18,056	0	0	0	0	0	0	0	0	
	2017 Savings Persisting in 2020																								135,898,536	5,952,905	18,115,237	296,469	57,076	18,044	0	0	0	0	0	0	0	0	

Note: LDC to make note of key assumptions included above

Table 5-d. 2018 Lost Revenues Work Form

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	Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)									Rate Allocations for LRAMVA														
			2018	2019	2020	2021	2022	2023	2024	2025	2026	2027		2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Residential	Competitive Sector Multi-Unit Residential Service	GS <50kW	GS 50-999kW	GS 1000-4999kW	Large Use									Total
	Conservation First Framework																																						
	Residential Province-Wide Programs																																						
21	Save on Energy Instant Discount Program	Verified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2018 savings	Unverified	29,551,044	21,400,526	21,400,526	21,400,526	21,400,526	21,400,526	21,400,526	21,400,111	21,400,111	21,400,111		0	0	0	0	0	0	0	0	0	0	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
22	Save on Energy Heating & Cooling Program	Verified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2018 savings	Unverified	3,248,302	3,248,302	3,248,302	3,248,302	3,248,302	3,248,302	3,248,302	3,248,302	3,248,302	3,248,302		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
23	Save on Energy New Construction Program	Verified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2018 savings	Unverified	1,097,233	1,097,233	1,097,233	1,097,233	1,097,233	1,097,233	1,097,233	1,097,233	1,097,233	1,097,233		47	47	47	47	47	47	47	47	47	47	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
24	Save on Energy Home Assistance Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	69.67%	0.00%	19.67%	10.67%	0.00%	0.00%									100%
	Adjustment to 2018 savings	Unverified	834,949	834,949	834,949	834,949	834,949	834,949	834,949	834,949	834,949	834,423	12	485	485	485	485	485	485	485	485	485	482	69.67%	0.00%	19.67%	10.67%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	Non-Residential Province-Wide Programs																																						
25	Save on Energy Audit Funding Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	14.71%	70.59%	13.24%	1.47%									100%
	Adjustment to 2018 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	14.71%	70.59%	13.24%	1.47%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
26	Save on Energy Retrofit Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	11.69%	53.99%	24.16%	4.57%									94%
	Adjustment to 2018 savings	Unverified	191,551,410	192,226,108	192,226,108	192,226,108	192,226,108	181,834,439	181,834,439	181,834,439	180,987,241	180,987,241	12	24,474	24,599	24,599	24,599	24,599	23,127	23,127	23,127	23,114	23,114	0.00%	0.00%	11.69%	53.99%	24.16%	4.57%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
27	Save on Energy Small Business Lighting Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	98.84%	1.40%	0.00%	0.00%									100%
	Adjustment to 2018 savings	Unverified	6,902,415	6,902,415	6,638,395	6,577,191	5,819,286	4,678,000	3,859,739	2,602,881	1,922,899	1,274,970	12	2,277	2,277	2,239	2,229	2,066	1,780	1,534	1,104	845	572	0.00%	0.00%	98.84%	1.40%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
28	Save on Energy High Performance New Construction Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.89%	47.86%	15.89%	35.29%									100%
	Adjustment to 2018 savings	Unverified	5,710,218	5,710,218	5,710,218	5,710,218	5,710,218	5,710,218	5,710,218	5,710,218	5,710,218	5,710,218	12	1,657	1,657	1,657	1,657	1,657	1,657	1,657	1,657	1,657	1,657	0.00%	0.00%	0.89%	47.86%	15.89%	35.29%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
29	Save on Energy Existing Building Commissioning Program	Verified	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	16.83%	83.17%	0.00%									100%
	Adjustment to 2018 savings	Unverified	139,483	139,483	139,483	139,483	139,483	0	0	0	0	0	3	19	19	19	19	19	0	0	0	0	0	0.00%	0.00%	0.00%	16.83%	83.17%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
30	Save on Energy Process & Systems Upgrades Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	13.39%	67.19%	19.42%									100%
	Adjustment to 2018 savings	Unverified	3,369,435	3,369,435	3,369,435	3,369,435	3,369,435	3,369,435	3,369,435	3,369,435	3,369,435	3,369,435	12	489	489	489	489	489	489	489	489	489	489	0.00%	0.00%	0.00%	13.39%	67.19%	19.42%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
31	Save on Energy Monitoring & Targeting Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%									0%
	Adjustment to 2018 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
32	Save on Energy Energy Manager Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	1.04%	22.32%	7.88%	67.18%									98%
	Adjustment to 2018 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	1.04%	22.32%	7.88%	67.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	Local & Regional Programs																																						
33	Business Refrigeration Local Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	68.03%	18.79%	7.31%	4.97%									99%
	Adjustment to 2018 savings	Unverified	8,674,999	8,674,999	8,674,999	7,731,642	6,915,747	6,775,600	6,775,600	6,775,600	6,775,600	6,775,600	12	1,353	1,353	1,353	1,160	993	993	993	993	993	993	0.00%	0.00%	68.03%	18.79%	7.31%	4.97%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
34	PUMPsaver Local Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	3.22%	77.14%	18.01%	0.00%									98%
	Adjustment to 2018 savings	Unverified	6,978,078	6,978,078	6,978,078	6,978,078	6,978,078	6,978,078	6,978,078	6,978,078	6,978,078	6,978,078	12	1,355	1,355	1,355	1,355	1,355	1,355	1,355	1,355	1,355	1,355	0.00%	0.00%	3.22%	77.14%	18.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
35	OPsaver Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	11.61%	68.13%	20.26%									100%
	Adjustment to 2018 savings	Unverified	215,781	215,781	215,781	215,781	215,781	215,781	215,781	215,781	212,350	178,405	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	11.61%	68.13%	20.26%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	Pilot Programs																																						
36	RTUsaver Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	60.19%	35.05%	2.92%	0.34%									99%
	Adjustment to 2018 savings	Unverified	3,743,931	3,743,931	3,743,931	3,743,931	3,743,931	3,743,931	3,743,931	3,743,931	3,743,931	3,743,931	12	863	863	863	863	863	863	863	863	863	863	0.00%	0.00%	60.19%	35.05%	2.92%	0.34%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
37	Swimming Pool Efficiency Program	Verified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2018 savings	Unverified	734,140	734,140	734,140	734,140	734,140	734,140	734,140	734,140	734,140	734,140		239	239	239	239	239	239	239	239	239	239	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
38	Adaptive Thermostat Rebate Program	Verified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%									100%
	Adjustment to 2018 savings	Unverified	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	Actual CDM Savings in 2018		**264,746,173**											**33,259**										**35,729,604**	**1,477,552**	**37,805,619**	**189,104**	**82,537**	**22,420**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
	Forecast CDM Savings in 2018																							**17,641,528**	**359,473**	**37,892,403**	**155,436**	**42,037**	**40,556**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
	Distribution Rate in 2018																							$0.01063	$0.01627	$0.03336	$8.09250	$6.35640	$6.82560	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	
	Lost Revenue in 2018 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 2018 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 2018 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 2018 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
	Lost Revenue in 2018 from 2015 programs																							$315,394.76	$17,956.44	$758,381.53	$1,974,308.37	$673,641.44	$887,736.81	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$4,627,419.36
	Lost Revenue in 2018 from 2016 programs																							$1,013,526.83	$71,610.46	$462,580.82	$2,248,316.10	$647,113.84	$508,216.60	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$4,951,364.66
	Lost Revenue in 2018 from 2017 programs																							$1,444,601.44	$96,853.77	$621,729.22	$2,618,340.69	$394,128.25	$133,091.71	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$5,308,745.08
	Lost Revenue in 2018 from 2018 programs																							$379,805.69	$24,039.77	$1,261,195.45	$1,669,198.87	$569,580.04	$165,237.63	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$4,069,057.45
	Total Lost Revenues in 2018																							**$3,153,328.71**	**$210,460.45**	**$3,103,887.02**	**$8,510,164.04**	**$2,284,463.57**	**$1,694,282.76**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$18,956,586.55**
	Forecast Lost Revenues in 2018																							**$187,529.44**	**$5,848.63**	**$1,264,090.58**	**$1,372,022.01**	**$290,089.45**	**$298,909.42**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$3,418,489.53**
	LRAMVA in 2018																																					**$15,538,097.02**
	2018 Savings Persisting in 2019																							27,986,611	1,070,026	37,884,478	189,915	82,900	22,488	0	0	0	0	0	0	0	0	
	2018 Savings Persisting in 2020																							27,986,611	1,070,026	37,623,526	189,909	82,900	22,488	0	0	0	0	0	0	0	0	

Note: LDC to make note of key assumptions included above

Table 5-e. 2019 Lost Revenues Work Form

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	Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)									Rate Allocations for LRAMVA														
			2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Residential	Competitive Sector Multi-Unit Residential Service	GS <50kW	GS 50-999kW	GS 1000-4999kW	Large Use										Total
	Conservation First Framework																																						
	Residential Province-Wide Programs																																						
21	Save on Energy Coupon Program	Verified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%										0%
	Adjustment to 2019 savings	Unverified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
22	Save on Energy Heating & Cooling Program	Verified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%										100%
	Adjustment to 2019 savings	Unverified	78,240	78,240	78,240	78,240	78,240	78,240	78,240	78,240	78,240	78,240		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
23	Save on Energy New Construction Program	Verified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%										100%
	Adjustment to 2019 savings	Unverified	774,999	774,999	774,999	774,999	774,999	774,999	774,999	774,999	774,999	774,999		27	27	27	27	27	27	27	27	27	27	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
24	Save on Energy Home Assistance Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	69.67%	0.00%	19.67%	10.67%	0.00%	0.00%										100%
	Adjustment to 2019 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	69.67%	0.00%	19.67%	10.67%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	Non-Residential Province-Wide Programs																																						
25	Save on Energy Audit Funding Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	9.25%	68.98%	17.27%	4.50%										100%
	Adjustment to 2019 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	9.25%	68.98%	17.27%	4.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
26	Save on Energy Retrofit Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	7.43%	61.82%	18.31%	11.80%										99%
	Adjustment to 2019 savings	Unverified	63,390,764	63,614,044	63,614,044	63,614,044	63,614,044	60,175,093	60,175,093	60,175,093	59,894,727	59,894,727	12	9,034	9,080	9,080	9,080	9,080	8,537	8,537	8,537	8,532	8,532	0.00%	0.00%	7.43%	61.82%	18.31%	11.80%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
27	Save on Energy Small Business Lighting Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	92.02%	6.61%	0.38%	0.44%										99%
	Adjustment to 2019 savings	Unverified	5,248,259	5,248,259	5,047,511	5,000,974	4,424,700	3,556,922	2,934,757	1,979,103	1,462,078	969,425	12	1,032	1,032	1,015	1,010	937	807	695	500	383	259	0.00%	0.00%	92.02%	6.61%	0.38%	0.44%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
28	Save on Energy High Performance New Construction Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.89%	47.86%	15.89%	35.29%										100%
	Adjustment to 2019 savings	Unverified	5,836,464	5,836,464	5,836,464	5,836,464	5,836,464	5,836,464	5,836,464	5,836,464	5,836,464	5,836,464	12	1,921	1,921	1,921	1,921	1,921	1,921	1,921	1,921	1,921	1,921	0.00%	0.00%	0.89%	47.86%	15.89%	35.29%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
29	Save on Energy Existing Building Commissioning Program	Verified	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	16.83%	83.17%	0.00%										100%
	Adjustment to 2019 savings	Unverified	37,421	37,421	37,421	37,421	37,421	0	0	0	0	0	3	17	17	17	17	17	0	0	0	0	0	0.00%	0.00%	0.00%	16.83%	83.17%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
30	Save on Energy Process & Systems Upgrades Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%										100%
	Adjustment to 2019 savings	Unverified	1,715,381	1,715,381	1,715,381	1,715,381	1,715,381	1,715,381	1,715,381	1,715,381	1,715,381	1,715,381	12	153	153	153	153	153	153	153	153	153	153	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
31	Save on Energy Monitoring & Targeting Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%										0%
	Adjustment to 2019 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
32	Save on Energy Energy Manager Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	1.04%	22.32%	7.88%	67.18%										98%
	Adjustment to 2019 savings	Unverified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	1.04%	22.32%	7.88%	67.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	Local & Regional Programs																																						
33	Business Refrigeration Local Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	74.45%	19.26%	4.56%	1.67%										100%
	Adjustment to 2019 savings	Unverified	3,822,390	3,822,390	3,822,390	3,406,727	3,047,226	2,985,474	2,985,474	2,985,474	2,985,474	2,985,474	12	601	601	601	515	441	441	441	441	441	441	0.00%	0.00%	74.45%	19.26%	4.56%	1.67%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
34	PUMPsaver Local Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	3.22%	77.14%	18.01%	0.00%										98%
	Adjustment to 2019 savings	Unverified	2,343,728	2,343,728	2,343,728	2,343,728	2,343,728	2,343,728	2,343,728	2,343,728	2,343,728	2,343,728	12	325	325	325	325	325	325	325	325	325	325	0.00%	0.00%	3.22%	77.14%	18.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
35	OPsaver Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	11.61%	68.13%	20.26%										100%
	Adjustment to 2019 savings	Unverified	3,866,618	3,866,618	3,866,618	3,866,618	3,866,618	3,866,618	3,866,618	3,866,618	3,805,145	3,196,872	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	11.61%	68.13%	20.26%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
36	Residential Engagement Program	Verified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%										100%
	Adjustment to 2019 savings	Unverified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
37	RTUsaver Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	0.00%	60.19%	35.05%	2.92%	0.34%										99%
	Adjustment to 2019 savings	Unverified	1,265,640	1,265,640	1,265,640	1,265,640	1,265,640	1,265,640	1,265,640	1,265,640	1,265,640	1,265,640	12	261	261	261	261	261	261	261	261	261	261	0.00%	0.00%	60.19%	35.05%	2.92%	0.34%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
38	Swimming Pool Efficiency Program	Verified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%										100%
	Adjustment to 2019 savings	Unverified	21,340	21,340	21,340	21,340	21,340	21,340	21,340	21,340	21,340	21,340		6	6	6	6	6	6	6	6	6	6	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
39	Adaptive Thermostat Rebate Program	Verified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%										100%
	Adjustment to 2019 savings	Unverified	151,692	151,692	151,692	151,692	151,692	151,692	151,692	151,692	151,692	151,692		651	651	651	651	651	651	651	651	651	651	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
40	MURB DIL Local Program	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0.00%	25.00%	4.55%	69.10%	5.64%	0.00%										104%
	Adjustment to 2019 savings	Unverified	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	12	6,516	6,516	6,516	6,516	6,516	6,516	6,516	6,516	6,516	6,516	0.00%	25.00%	4.55%	69.10%	5.64%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	Actual CDM Savings in 2019		**97,586,021**											**20,545**										**1,026,271**	**2,258,271**	**13,688,292**	**140,242**	**29,136**	**21,114**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**		
	Forecast CDM Savings in 2019																							**17,641,528**	**359,473**	**37,892,403**	**155,436**	**42,037**	**40,556**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**		
	Distribution Rate in 2019																							$0.00553	$0.00846	$0.03461	$8.39900	$6.59750	$7.08430	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000		
	Lost Revenue in 2019 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 2019 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 2019 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 2019 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
	Lost Revenue in 2019 from 2015 programs																							$163,269.99	$9,336.91	$786,623.51	$2,053,336.36	$700,405.53	$919,423.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$4,632,395.30
	Lost Revenue in 2019 from 2016 programs																							$527,262.78	$37,235.68	$479,747.67	$2,332,088.09	$671,659.05	$526,613.24	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$4,574,606.51
	Lost Revenue in 2019 from 2017 programs																							$751,518.91	$50,361.58	$638,706.29	$2,717,355.21	$409,063.09	$138,118.25	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$4,705,123.33
	Lost Revenue in 2019 from 2018 programs																							$154,765.96	$9,052.42	$1,311,181.78	$1,739,852.37	$593,785.38	$172,025.67	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$3,980,663.58
	Lost Revenue in 2019 from 2019 programs																							$5,675.28	$19,104.98	$473,751.80	$1,177,893.87	$192,227.08	$149,575.65	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$2,018,228.65
	Total Lost Revenues in 2019																							**$1,602,492.91**	**$125,091.57**	**$3,690,011.05**	**$10,020,525.90**	**$2,567,140.13**	**$1,905,755.81**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**		**$19,911,017.37**
	Forecast Lost Revenues in 2019																							**$97,557.65**	**$3,041.15**	**$1,311,456.08**	**$1,423,986.76**	**$301,092.62**	**$310,238.51**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**		**$3,447,372.77**
	LRAMVA in 2019																																						**$16,463,644.60**
	2019 Savings Persisting in 2020																							1,026,271	2,258,271	13,704,891	140,585	29,238	21,179	0	0	0	0	0	0	0	0		

Note: LDC to make note of key assumptions included above

Table 5-f. 2020 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)									Rate Allocations for LRAMVA														
		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Residential	Competitive Sector Multi-Unit Residential Service	GS <50kW	GS 50-999kW	GS 1000-4999kW	Large Use									Total
Legacy Framework																							kWh	kWh	kWh	kW	kW	kW	0	0	0	0	0	0	0	0	
Actual CDM Savings in 2020		**0**											**0**										**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
Forecast CDM Savings in 2020																							**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
Distribution Rate in 2020																							$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 2020 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 2020 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 2020 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 2020 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
Lost Revenue in 2020 from 2015 programs																							$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2020 from 2016 programs																							$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2020 from 2017 programs																							$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2020 from 2018 programs																							$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2020 from 2019 programs																							$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2020 from 2020 programs																							$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total Lost Revenues in 2020																							**$0.00**	**$0.00**	**$0.00**	**$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 2020																							**$0.00**	**$0.00**	**$0.00**	**$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 2020																																					**$0.00**

Note: LDC to make note of key assumptions included above

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Ontario Energy Board

LRAMVA Work Form: Carrying Charges by Rate Class

Version 5.0 (2021)

Legend

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

Instructions

1. Please update Table 6 as new approved prescribed interest rates for deferral and variance accounts become available. Monthly interest rates are used to calculate the variance on the carrying charges for LRAMVA. Starting from column I, the principal will auto-populate as monthly variances in Table 6-a, and are multiplied by the interest rate from column H to determine the monthly variances on carrying charges for each rate class by year.

2. The annual carrying charges totals in Table 6-a below pertain to the amount that was originally collected in interest from forecasted CDM savings and what should have been collected based on actual CDM savings. As the amounts calculated in Table 6-a are cumulative, LDCs are requested to enter any collected interest amounts into the "Amounts Cleared" row in order to clear the balance and calculate outstanding variances on carrying charges.

3. Please calculate the projected interest amounts in the LRAMVA work form. Project carrying charges amounts incuded 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	
2021 Q2	
2021 Q3	
2021 Q4	
2022 Q1	
2022 Q2	
2022 Q3	
2022 Q4	
2023 Q1	
2023 Q2	
2023 Q3	
2023 Q4	
2024 Q1	
2024 Q2	
2024 Q3	
2024 Q4	
2025 Q1	
2025 Q2	
2025 Q3	
2025 Q4	

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

Go to Tab 1: Summary

Month	Period	Quarter	Monthly Rate	Residential	Competitive Sector Multi-Unit Residential Service	GS <50kW	GS 50-999kW	GS 1000-4999kW	Large Use									Total
Jan-11	2011	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Feb-11	2011	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Mar-11	2011	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Apr-11	2011	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
May-11	2011	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jun-11	2011	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jul-11	2011	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Aug-11	2011	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Sep-11	2011	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Oct-11	2011	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Nov-11	2011	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Dec-11	2011	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total for 2011				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Amount Cleared																		
Opening Balance for 2012				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Jan-12	2011-2012	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Feb-12	2011-2012	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Mar-12	2011-2012	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Apr-12	2011-2012	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
May-12	2011-2012	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jun-12	2011-2012	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jul-12	2011-2012	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Aug-12	2011-2012	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Sep-12	2011-2012	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Oct-12	2011-2012	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Nov-12	2011-2012	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Dec-12	2011-2012	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total for 2012				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Amount Cleared																		
Opening Balance for 2013				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Jan-13	2011-2013	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Feb-13	2011-2013	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Mar-13	2011-2013	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Apr-13	2011-2013	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
May-13	2011-2013	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jun-13	2011-2013	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jul-13	2011-2013	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Aug-13	2011-2013	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Sep-13	2011-2013	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Oct-13	2011-2013	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Nov-13	2011-2013	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Dec-13	2011-2013	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total for 2013				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Amount Cleared																		
Opening Balance for 2014				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Jan-14	2011-2014	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Feb-14	2011-2014	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Mar-14	2011-2014	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Apr-14	2011-2014	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
May-14	2011-2014	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jun-14	2011-2014	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jul-14	2011-2014	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Aug-14	2011-2014	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Sep-14	2011-2014	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Oct-14	2011-2014	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Nov-14	2011-2014	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Dec-14	2011-2014	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total for 2014				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Amount Cleared																		
Opening Balance for 2015				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Jan-15	2011-2015	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Feb-15	2011-2015	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Mar-15	2011-2015	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Apr-15	2011-2015	Q2	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
May-15	2011-2015	Q2	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jun-15	2011-2015	Q2	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jul-15	2011-2015	Q3	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Aug-15	2011-2015	Q3	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Sep-15	2011-2015	Q3	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Oct-15	2011-2015	Q4	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Nov-15	2011-2015	Q4	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Dec-15	2011-2015	Q4	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total for 2015				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Amount Cleared																		

Ontario Energy Board

LRAMVA Work Form: Carrying Charges by Rate Class

Version 5.0 (2021)

Legend

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

Instructions

1. Please update Table 6 as new approved prescribed interest rates for deferral and variance accounts become available. Monthly interest rates are used to calculate the variance on the carrying charges for LRAMVA. Starting from column I, the principal will auto-populate as monthly variances in Table 6-a, and are multiplied by the interest rate from column H to determine the monthly variances on carrying charges for each rate class by year.

2. The annual carrying charges totals in Table 6-a below pertain to the amount that was originally collected in interest from forecasted CDM savings and what should have been collected based on actual CDM savings. As the amounts calculated in Table 6-a are cumulative, LDCs are requested to enter any collected interest amounts into the "Amounts Cleared" row in order to clear the balance and calculate outstanding variances on carrying charges.

3. Please calculate the projected interest amounts in the LRAMVA work form. Project carrying charges amounts incuded 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

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

Go to Tab 1: Summary

Month	Period	Quarter	Monthly Rate	Residential	Competitive Sector Multi-Unit Residential Service	GS <50kW	GS 50-999kW	GS 1000-4999kW	Large Use									Total
Opening Balance for 2016				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Jan-16	2011-2016	Q1	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Feb-16	2011-2016	Q1	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Mar-16	2011-2016	Q1	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Apr-16	2011-2016	Q2	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
May-16	2011-2016	Q2	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jun-16	2011-2016	Q2	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jul-16	2011-2016	Q3	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Aug-16	2011-2016	Q3	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Sep-16	2011-2016	Q3	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Oct-16	2011-2016	Q4	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Nov-16	2011-2016	Q4	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Dec-16	2011-2016	Q4	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total for 2016				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Amount Cleared																		
Opening Balance for 2017				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Jan-17	2011-2017	Q1	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Feb-17	2011-2017	Q1	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Mar-17	2011-2017	Q1	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Apr-17	2011-2017	Q2	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
May-17	2011-2017	Q2	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jun-17	2011-2017	Q2	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jul-17	2011-2017	Q3	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Aug-17	2011-2017	Q3	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Sep-17	2011-2017	Q3	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Oct-17	2011-2017	Q4	0.13%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Nov-17	2011-2017	Q4	0.13%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Dec-17	2011-2017	Q4	0.13%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total for 2017				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Amount Cleared																		
Opening Balance for 2018				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Jan-18	2011-2018	Q1	0.13%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Feb-18	2011-2018	Q1	0.13%	$308.94	$21.31	$191.65	$743.56	$207.75	$145.35	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,618.55
Mar-18	2011-2018	Q1	0.13%	$617.87	$42.63	$383.29	$1,487.11	$415.49	$290.70	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$3,237.10
Apr-18	2011-2018	Q2	0.16%	$1,167.78	$80.57	$724.42	$2,810.64	$785.28	$549.43	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$6,118.13
May-18	2011-2018	Q2	0.16%	$1,557.04	$107.42	$965.89	$3,747.52	$1,047.05	$732.57	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$8,157.50
Jun-18	2011-2018	Q2	0.16%	$1,946.31	$134.28	$1,207.37	$4,684.41	$1,308.81	$915.71	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$10,196.88
Jul-18	2011-2018	Q3	0.16%	$2,335.57	$161.13	$1,448.84	$5,621.29	$1,570.57	$1,098.86	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$12,236.25
Aug-18	2011-2018	Q3	0.16%	$2,724.83	$187.99	$1,690.31	$6,558.17	$1,832.33	$1,282.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$14,275.63
Sep-18	2011-2018	Q3	0.16%	$3,114.09	$214.84	$1,931.79	$7,495.05	$2,094.09	$1,465.14	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$16,315.00
Oct-18	2011-2018	Q4	0.18%	$4,022.37	$277.50	$2,495.22	$9,681.11	$2,704.87	$1,892.48	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$21,073.54
Nov-18	2011-2018	Q4	0.18%	$4,469.29	$308.34	$2,772.47	$10,756.78	$3,005.41	$2,102.75	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$23,415.05
Dec-18	2011-2018	Q4	0.18%	$4,916.22	$339.17	$3,049.72	$11,832.46	$3,305.95	$2,313.03	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$25,756.55
Total for 2018				**$27,180.31**	**$1,875.18**	**$16,860.97**	**$65,418.10**	**$18,277.61**	**$12,788.02**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$142,400.19**
Amount Cleared																		
Opening Balance for 2019				**$27,180.31**	**$1,875.18**	**$16,860.97**	**$65,418.10**	**$18,277.61**	**$12,788.02**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$142,400.19**
Jan-19	2011-2019	Q1	0.20%	$6,055.17	$417.75	$3,756.25	$14,573.71	$4,071.85	$2,848.89	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$31,723.61
Feb-19	2011-2019	Q1	0.20%	$6,311.22	$438.51	$4,160.94	$16,036.31	$4,457.39	$3,120.35	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$34,524.72
Mar-19	2011-2019	Q1	0.20%	$6,567.27	$459.28	$4,565.62	$17,498.92	$4,842.93	$3,391.81	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$37,325.83
Apr-19	2011-2019	Q2	0.18%	$6,071.36	$427.14	$4,422.56	$16,871.89	$4,652.28	$3,259.56	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$35,704.78
May-19	2011-2019	Q2	0.18%	$6,299.19	$445.62	$4,782.64	$18,173.31	$4,995.33	$3,501.10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$38,197.19
Jun-19	2011-2019	Q2	0.18%	$6,527.02	$464.10	$5,142.73	$19,474.73	$5,338.39	$3,742.65	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$40,689.61
Jul-19	2011-2019	Q3	0.18%	$6,754.85	$482.57	$5,502.82	$20,776.15	$5,681.44	$3,984.19	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$43,182.02
Aug-19	2011-2019	Q3	0.18%	$6,982.68	$501.05	$5,862.90	$22,077.57	$6,024.49	$4,225.73	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$45,674.43
Sep-19	2011-2019	Q3	0.18%	$7,210.51	$519.53	$6,222.99	$23,378.99	$6,367.55	$4,467.28	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$48,166.85
Oct-19	2011-2019	Q4	0.18%	$7,438.34	$538.01	$6,583.08	$24,680.41	$6,710.60	$4,708.82	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$50,659.26
Nov-19	2011-2019	Q4	0.18%	$7,666.17	$556.48	$6,943.16	$25,981.83	$7,053.66	$4,950.36	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$53,151.67
Dec-19	2011-2019	Q4	0.18%	$7,894.00	$574.96	$7,303.25	$27,283.25	$7,396.71	$5,191.91	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$55,644.08
Total for 2019				**$108,958.12**	**$7,700.18**	**$82,109.91**	**$312,225.15**	**$85,870.22**	**$60,180.66**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$657,044.24**
Amount Cleared																		
Opening Balance for 2020				**$108,958.12**	**$7,700.18**	**$82,109.91**	**$312,225.15**	**$85,870.22**	**$60,180.66**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$657,044.24**
Jan-20	2011-2020	Q1	0.18%	$8,121.83	$593.44	$7,663.34	$28,584.67	$7,739.77	$5,433.45	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$58,136.50
Feb-20	2011-2020	Q1	0.18%	$8,121.83	$593.44	$7,663.34	$28,584.67	$7,739.77	$5,433.45	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$58,136.50
Mar-20	2011-2020	Q1	0.18%	$8,121.83	$593.44	$7,663.34	$28,584.67	$7,739.77	$5,433.45	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$58,136.50
Apr-20	2011-2020	Q2	0.18%	$8,121.83	$593.44	$7,663.34	$28,584.67	$7,739.77	$5,433.45	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$58,136.50
May-20	2011-2020	Q2	0.18%	$8,121.83	$593.44	$7,663.34	$28,584.67	$7,739.77	$5,433.45	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$58,136.50
Jun-20	2011-2020	Q2	0.18%	$8,121.83	$593.44	$7,663.34	$28,584.67	$7,739.77	$5,433.45	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$58,136.50
Jul-20	2011-2020	Q3	0.05%	$2,123.60	$155.16	$2,003.72	$7,473.97	$2,023.70	$1,420.67	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$15,200.83
Aug-20	2011-2020	Q3	0.05%	$2,123.60	$155.16	$2,003.72	$7,473.97	$2,023.70	$1,420.67	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$15,200.83
Sep-20	2011-2020	Q3	0.05%	$2,123.60	$155.16	$2,003.72	$7,473.97	$2,023.70	$1,420.67	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$15,200.83
Oct-20	2011-2020	Q4	0.05%	$2,123.60	$155.16	$2,003.72	$7,473.97	$2,023.70	$1,420.67	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$15,200.83
Nov-20	2011-2020	Q4	0.05%	$2,123.60	$155.16	$2,003.72	$7,473.97	$2,023.70	$1,420.67	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$15,200.83
Dec-20	2011-2020	Q4	0.05%	$2,123.60	$155.16	$2,003.72	$7,473.97	$2,023.70	$1,420.67	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$15,200.83
Total for 2020				**$170,430.72**	**$12,191.79**	**$140,112.25**	**$528,577.01**	**$144,451.02**	**$101,305.40**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**###########**
Amount Cleared																		
Opening Balance for 2021				**$170,430.72**	**$12,191.79**	**$140,112.25**	**$528,577.01**	**$144,451.02**	**$101,305.40**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**###########**

Ontario Energy Board

Supporting Documentation:
LDC Persistence Savings Results from IESO

Version 5.0 (2021)

Legend

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

Instructions (Steps)

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

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

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

Step:	#1					#3	#2	#4	#1 Net Verified Annual Peak Demand Savings at the End-User Level (kW)																													
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
LDC	Consumer	Save on Energy Coupon Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					857	850	850	850	850	850	850	850	849	849	849	770	769	769	765	765	763	198	198	198	198	-	-	-	-	-
LDC	Consumer	Save on Energy Instant Discount Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Save on Energy Heating & Cooling Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					1,861	1,861	1,861	1,861	1,861	1,861	1,861	1,861	1,861	1,861	1,861	1,861	1,861	1,861	1,861	1,861	1,861	1,861	1,861	1,703	-	-	-	-	-	-
LDC	Consumer	Save on Energy New Construction Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Home Assistance Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Audit Funding Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Retrofit Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					995	995	992	992	992	992	992	936	936	914	731	293	293	214	214	214	175	103	103	103	103	-	-	-	-	-
LDC	Business	Save on Energy Small Business Lighting Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy High Performance New Construction Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Existing Building Commissioning Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Business Refrigeration Incentive Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Process & Systems Upgrades Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Energy Manager Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Monitoring & Targeting Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Save on Energy Retrofit Program - P4P	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Process & Systems Upgrades Program - P4P	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Adaptive Thermostat Local Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Business Refrigeration Incentives Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Conservation on the Coast Home Assistance Local Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Conservation on the Coast Small Business Lighting Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	First Nations Conservation Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	High Efficiency Agricultural Pumping Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Instant Savings Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	OPsaver Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Pool Saver Local Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	PUMPsaver Local Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	RTUsaver Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Social Benchmarking Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Air Source Heat Pump – For Residential Space Heating LDC Innovation Fund Pilot Prog	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Air Source Heat Pump – For Residential Water Heating LDC Innovation Fund Pilot Prog	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Block Heater Timer LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Commercial Energy Management and Load Control (CEMLC) LDC Innovation Fund Pilo	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Conservation Cultivator LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Data Centre LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Electronics Take Back LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Energy Reinvestment LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Hotel/Motel LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Intelligent Air Technology LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	OPsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	PUMPsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Residential Direct Install LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Residential Direct Mail LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Residential Ductless Heat Pump LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Retrocommissioning LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	RTUsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Small & Medium Business Energy Management System LDC Innovation Fund Pilot Pro	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Solar Powered Attic Ventilation LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Other	Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation Fund Pilot Progr	Toronto Hydro-Electric System Limite	Other	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Other	Truckload Event LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Other	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-LDC	Business	Industrial Accelerator Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-LDC	Consumer	Save on Energy Energy Performance Program for Multi-Site Customers	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-LDC	Business	Whole Home Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-LDC	Business	Save on Energy Retrofit Program Enabled Savings	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-LDC	Business	Save on Energy High Performance New Construction Program Enabled Savings	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-LDC	Business	Save on Energy Process & Systems Upgrades Program Enabled Savings	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Non-Approved Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Unassigned Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Conservation Voltage Reduction Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	EnerNOC Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Loblaw P4P Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					193	193	193	193	193	193	193	193	193	193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Ontario Clean Water Agency P4P Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Performance Based Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Social Benchmarking Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Strategic Energy Group Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					294	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Appliance Retirement Initiative	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					50	50	50	47	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Coupon Initiative	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					144	143	143	143	143	143	143	143	143	143	127	127	127	127	127	127	43	43	43	43	-	-	-	-	-	-
LDC	Business	Bi-Annual Retailer Event Initiative	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					315	306	306	306	306	306	306	306	306	306	228	197	197	197	197	197	133	133	133	133	-	-	-	-	-	-
LDC	Consumer	HVAC Incentives Initiative	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					1,730	1,730	1,730	1,730	1,730	1,730	1,730	1,730	1,730	1,730	1,730	1,730	1,730	1,730	1,730	1,730	1,730	1,730	1,593	-	-	-	-	-	-	-
LDC	Consumer	Residential New Construction and Major Renovation Initiative	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Other	Energy Audit Initiative	Toronto Hydro-Electric System Limite	Other	EE	2015	2017 Results Persistence	Current year savings					902	902	902	902	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Efficiency: Equipment Replacement Incentive Initiative	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					21,487	21,487	21,230	21,230	21,230	21,228	20,531	20,531	20,251	17,978	12,192	12,004	10,640	10,610	10,610	7,388	1,464	1,464	1,464	1,464	-	-	-	-	-	-
LDC	Consumer	Direct Install Lighting and Water Heating Initiative	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					2,198	2,005	1,435	1,434	1,434	1,434	1,434	1,434	1,434	1,434	1,424	443	1	1	1	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	New Construction and Major Renovation Initiative	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					1,596	1,596	1,596	1,596	1,594	1,594	1,594	1,594	1,571	1,571	1,571	1,449	1,438	1,438	699	20	20	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Existing Building Commissioning Incentive Initiative	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					147	147	147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Process and Systems Upgrades Initiatives - Project Incentive Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Process and Systems Upgrades Initiatives - Energy Manager Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					2,711	1,899	1,665	1,665	1,640	1,640	1,640	1,640	1,589	1,292	1,042	1,026	948	948	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Low Income Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					148	132	130	127	126	126	125	125	100	98	94	94	89	89	16	16	16	16	16	16	7	-	-	-	-	-
LDC	Business	Aboriginal Conservation Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Program Enabled Savings	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Coupon Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					142	140	140	140	140	140	140	140	140	140	129	129	129	129	129	129	49	49	49	49	-	-	-	-	-	-
LDC	Business	Save on Energy Instant Discount Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Heating & Cooling Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					236	236	236	236	236	236	236	236	236	236	236	236	236	236	236	236	236	236	222	-	-	-	-	-	-	-
LDC	Business	Save on Energy New Construction Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	1	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Save on Energy Home Assistance Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					39	38	38	38	38	38	38	38	38	37	36	36	35	35	6	6	6	6	6	6	3	-	-	-	-	-
LDC	Business	Save on Energy Audit Funding Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					17	17	17	17	17	17	17	17	17	17	17	17	17	12	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Save on Energy Retrofit Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					3,655	3,632	3,609	3,609	3,609	3,602	3,427	3,427	3,364	2,813	1,433	1,180	997	997	997	632	80	80	80	80	-	-	-	-	-	-
LDC	Business	Save on Energy Small Business Lighting Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Save on Energy High Performance New Construction Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
LDC	Business	Save on Energy Existing Building Commissioning Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Business Refrigeration Incentive Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Process & Systems Upgrades Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Energy Manager Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Monitoring & Targeting Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Save on Energy Retrofit Program - P4P	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Save on Energy Process & Systems Upgrades Program - P4P	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Adaptive Thermostat Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Ontario Energy Board

Legend

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

Instructions (Steps)

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

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

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

Step:	#1					#3	#2	#4	#1 Net Verified Annual Energy Savings at the End-User Level (kWh)																											
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
LDC	Consumer	Save on Energy Coupon Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					13,376,491	13,269,295	13,269,295	13,269,295	13,269,295	13,269,295	13,269,295	13,261,508	13,261,508	13,261,508	12,498,637	12,410,617	12,410,617	12,174,297	12,174,297	12,149,348	3,156,685	3,156,685	3,156,685	3,156,685	-	-	-	-	-	-
LDC	Consumer	Save on Energy Instant Discount Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Save on Energy Heating & Cooling Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					3,565,130	3,565,130	3,565,130	3,565,130	3,565,130	3,565,130	3,565,130	3,565,130	3,565,130	3,565,130	3,565,130	3,565,130	3,565,130	3,565,130	3,565,130	3,565,130	3,565,130	3,565,130	3,424,603	-	-	-	-	-	-
LDC	Consumer	Save on Energy New Construction Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Home Assistance Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Audit Funding Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Retrofit Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					5,964,477	5,964,477	5,954,738	5,954,738	5,954,738	5,954,738	5,635,224	5,635,224	5,560,764	4,517,589	2,010,258	1,998,272	1,195,922	1,195,922	1,195,922	883,917	305,843	305,843	305,843	305,843	-	-	-	-	-	-
LDC	Business	Save on Energy Small Business Lighting Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy High Performance New Construction Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Existing Building Commissioning Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Business Refrigeration Incentive Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Process & Systems Upgrades Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Energy Manager Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Monitoring & Targeting Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Save on Energy Retrofit Program - PAP	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Process & Systems Upgrades Program - PAP	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Adaptive Thermostat Local Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Business Refrigeration Incentives Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Conservation on the Coast Home Assistance Local Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Conservation on the Coast Small Business Lighting Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	First Nations Conservation Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	High Efficiency Agricultural Pumping Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Instant Savings Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	OPsaver Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Pool Saver Local Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	PUMPsaver Local Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	RTUsaver Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Social Benchmarking Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Air Source Heat Pump – For Residential Space Heating LDC Innovation Fund Pilot Prog	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Air Source Heat Pump – For Residential Water Heating LDC Innovation Fund Pilot Prog	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Block Heater Timer LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Commercial Energy Management and Load Control (CEMLC) LDC Innovation Fund Pilo	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Conservation Cultivator LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Data Centre LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Electronics Take Back LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Energy Reinvestment LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Hotel/Motel LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Intelligent Air Technology LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	OPsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	PUMPsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Residential Direct Install LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Residential Direct Mail LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Residential Ductless Heat Pump LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Retrocommissioning LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	RTUsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Small & Medium Business Energy Management System LDC Innovation Fund Pilot Pro	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Solar Powered Attic Ventilation LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Other	Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation Fund Pilot Progr	Toronto Hydro-Electric System Limite	Other	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Other	Truckload Event LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Other	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-LDC	Business	Industrial Accelerator Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-LDC	Consumer	Save on Energy Energy Performance Program for Multi-Site Customers	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-LDC	Business	Whole Home Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-LDC	Business	Save on Energy Retrofit Program Enabled Savings	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-LDC	Business	Save on Energy High Performance New Construction Program Enabled Savings	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-LDC	Business	Save on Energy Process & Systems Upgrades Program Enabled Savings	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Non-Approved Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Unassigned Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Conservation Voltage Reduction Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	EnerNOC Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					198,755	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Loblaw PAP Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					2,469,300	2,469,300	2,469,300	2,469,300	2,469,300	2,469,300	2,469,300	2,469,300	2,469,300	2,469,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Ontario Clean Water Agency PAP Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Performance Based Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Social Benchmarking Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Strategic Energy Group Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					2,577,024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Appliance Retirement Initiative	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					315,844	315,844	315,844	313,234	177,848	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Coupon Initiative	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					2,259,307	2,241,912	2,241,912	2,241,912	2,241,912	2,241,912	2,241,912	2,241,260	2,241,260	2,241,260	2,042,087	2,025,668	2,025,668	2,022,178	2,022,178	2,021,284	692,901	692,901	692,901	692,901	-	-	-	-	-	-
LDC	Business	BI-Annual Retailer Event Initiative	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					4,242,771	4,096,716	4,096,716	4,096,716	4,096,716	4,096,716	4,096,716	4,096,716	4,096,716	4,096,716	3,633,586	3,141,175	3,141,175	3,141,175	3,141,175	3,141,175	2,115,946	2,115,946	2,115,946	2,115,946	-	-	-	-	-	-
LDC	Consumer	HVAC Incentives Initiative	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					3,324,661	3,324,661	3,324,661	3,324,661	3,324,661	3,324,661	3,324,661	3,324,661	3,324,661	3,324,661	3,324,661	3,324,661	3,324,661	3,324,661	3,324,661	3,324,661	3,324,661	3,324,661	3,201,762	-	-	-	-	-	-
LDC	Consumer	Residential New Construction and Major Renovation Initiative	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Other	Energy Audit Initiative	Toronto Hydro-Electric System Limite	Other	EE	2015	2017 Results Persistence	Current year savings					4,229,721	4,229,721	4,229,721	4,229,721	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Efficiency: Equipment Replacement Incentive Initiative	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					144,998,266	144,998,266	144,164,912	144,163,141	144,163,141	144,156,647	139,082,289	139,082,289	137,719,412	120,881,623	77,509,686	75,432,865	65,192,525	65,094,757	65,094,757	42,458,635	4,344,842	4,344,842	4,344,842	4,344,842	-	-	-	-	-	-
LDC	Consumer	Direct Install Lighting and Water Heating Initiative	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					9,534,129	8,635,489	6,390,743	6,382,399	6,382,399	6,382,399	6,382,399	6,382,399	6,382,399	6,382,399	6,277,993	1,745,522	1,200	1,200	1,200	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	New Construction and Major Renovation Initiative	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					5,139,438	5,139,438	5,139,438	5,139,438	5,128,286	5,128,286	5,128,286	5,128,286	5,051,898	5,051,898	5,051,898	4,833,220	4,797,890	4,797,890	2,127,389	151,434	151,434	-	-	-	-	-	-	-	-	-
LDC	Consumer	Existing Building Commissioning Incentive Initiative	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					278,667	278,667	278,667	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Process and Systems Upgrades Initiatives - Project Incentive Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Process and Systems Upgrades Initiatives - Energy Manager Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					8,278,171	5,798,837	5,118,624	5,118,624	5,012,537	5,012,537	5,012,537	4,955,357	4,659,602	3,829,660	2,522,122	2,423,797	2,133,090	2,133,090	4,140	4,140	4,140	-	-	-	-	-	-	-	-	-
LDC	Business	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Low Income Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					1,664,203	1,344,143	1,297,217	1,250,334	1,233,358	1,233,358	1,211,645	1,196,604	708,624	706,663	666,167	666,167	649,907	649,907	76,185	71,603	71,603	71,603	71,603	71,603	48,657	-	-	-	-	-	-
LDC	Business	Aboriginal Conservation Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Program Enabled Savings	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					311,368	311,368	311,368	311,368	311,368	311,368	311,368	311,368	311,368	311,368	311,368	311,368	311,368	311,368	311,368	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Coupon Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					2,212,339	2,190,586	2,190,586	2,190,586	2,190,586	2,190,586	2,190,586	2,189,422	2,189,422	2,189,422	2,076,615	2,062,654	2,062,654	2,052,222	2,052,222	2,049,566	776,830	776,830	776,830	776,830	-	-	-	-	-	-
LDC	Business	Save on Energy Instant Discount Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Heating & Cooling Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					457,755	457,755	457,755	457,755	457,755	457,755	457,755	457,755	457,755	457,755	457,755	457,755	457,755	457,755	457,755	457,755	457,755	457,755	445,645	-	-	-	-	-	-
LDC	Business	Save on Energy New Construction Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					39,186	39,186	39,186	39,186	39,186	39,186	39,186	39,186	39,186	39,186	39,186	39,134	39,134	39,134	39,134	39,134	13,874	1,157	1,157	1,157	1,157	-	-	-	-	-
LDC	Consumer	Save on Energy Home Assistance Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					282,586	276,445	275,582	274,718	274,420	274,420	272,668	272,668	263,738	262,657	261,807	261,807	257,178	257,178	28,321	28,321	28,321	28,321	28,321	28,321	20,506	-	-	-	-	-
LDC	Business	Save on Energy Audit Funding Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					77,834	77,834	77,834	77,834	77,834	77,834	77,834	77,834	77,834	77,834	77,834	77,834	77,834	54,484	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Save on Energy Retrofit Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					26,057,881	25,984,828	25,911,570	25,911,570	25,911,570	25,887,619	24,766,778	24,766,778	24,556,426	21,012,598	11,963,048	11,029,516	8,213,098	8,213,098	8,213,098	5,187,578	85,311	85,311	85,311	85,311	-	-	-	-	-	-
LDC	Business	Save on Energy Small Business Lighting Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Save on Energy High Performance New Construction Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097	77,097
LDC	Business	Save on Energy Existing Building Commissioning Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Business Refrigeration Incentive Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Process & Systems Upgrades Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Energy Manager Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Monitoring & Targeting Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Save on Energy Retrofit Program - PAP	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Save on Energy Process & Systems Upgrades Program - PAP

Ontario Energy Board

Supporting Documentation:
LDC Persistence Savings Results from IESO

Version 5.0 (2021)

Legend

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

Instructions (Steps)

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

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

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

Step:	#1					#3	#2	#4	#1 Net Verified Annual Peak Demand Savings at the End-User Level (kW)																																			
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
LDC	Business	Business Refrigeration Incentives Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation on the Coast Home Assistance Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation on the Coast Small Business Lighting Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	First Nations Conservation Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	High Efficiency Agricultural Pumping Local Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Instant Savings Local Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	OPsaver Local Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Pool Saver Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	PUMPsaver Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	RTUsaver Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Social Benchmarking Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Air Source Heat Pump – For Residential Space Heating LDC Innovation Fund Pilot Prog	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Air Source Heat Pump – For Residential Water Heating LDC Innovation Fund Pilot Prog	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Block Heater Timer LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Commercial Energy Management and Load Control (CEMLC) LDC Innovation Fund Pilo	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation Cultivator LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Data Centre LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Electronics Take Back LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Energy Reinvestment LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Hotel/Motel LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Other	Intelligent Air Technology LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Other	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Other	OPsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Other	EE	2015	2017 Results Persistence	Current year savings					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
Non-LDC	Business	PUMPsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					68	68	68	68	68	68	68	68	68	68	68	68	68	68	68											
Non-LDC	Consumer	Residential Direct Install LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
Non-LDC	Business	Residential Direct Mail LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
Non-LDC	Business	Residential Ductless Heat Pump LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
Non-LDC	Business	Retrocommissioning LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
Non-LDC	Business	RTUsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Small & Medium Business Energy Management System LDC Innovation Fund Pilot Prog	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Solar Powered Attic Ventilation LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation Fund Pilot Prog	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Truckload Event LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Industrial Accelerator Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Energy Performance Program for Multi-Site Customers	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Whole Home Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Retrofit Program Enabled Savings	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy High Performance New Construction Program Enabled Savings	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Process & Systems Upgrades Program Enabled Savings	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Non-Approved Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Unassigned Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation Voltage Reduction Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	EnerNOC Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Other	Loblaw P4P Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Other	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Ontario Clean Water Agency P4P Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Performance Based Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Social Benchmarking Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Strategic Energy Group Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Appliance Retirement Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Coupon Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	5	5	5	5	5	0	0	0	0	0
LDC	Business	Bi-Annual Retailer Event Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	HVAC Incentives Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	0	0	0	0	0	0	0
LDC	Business	Residential New Construction and Major Renovation Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Energy Audit Initiative	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					591	591	591	591	1,554	1,554	1,554	1,554	1,554	1,554	1,554	1,554	1,554	1,088	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Efficiency: Equipment Replacement Incentive Initiative	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					2,679	2,675	2,595	2,592	2,592	2,592	2,482	2,482	2,297	1,846	1,239	1,110	1,052	1,052	1,052	820	68	68	68	68	0	0	0	0	0	0
LDC	Business	Direct Install Lighting and Water Heating Initiative	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	New Construction and Major Renovation Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					5,499	5,499	5,499	5,499	5,499	5,499	5,499	5,499	5,499	5,499	5,499	5,499	5,499	5,499	2,886	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Existing Building Commissioning Incentive Initiative	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					74	74	74	74	74	74	74	74	74	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Consumer	Process and Systems Upgrades Initiatives - Project Incentive Initiative	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Process and Systems Upgrades Initiatives - Energy Manager Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Low Income Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	0	0	0	0	0	0
LDC	Consumer	Aboriginal Conservation Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Program Enabled Savings	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Coupon Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Instant Discount Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Heating & Cooling Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy New Construction Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Save on Energy Home Assistance Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Save on Energy Audit Funding Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					37	37	37	37	37	37	37	37	37	37	37	37	37	26	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					280	303	329	350	350	350	581	581	486	219	223	215	215	215	150	6	6	6	6	0	0	0	0	0	0	0
LDC	Business	Save on Energy Small Business Lighting Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy High Performance New Construction Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Existing Building Commissioning Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Business Refrigeration Incentive Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Save on Energy Process & Systems Upgrades Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Save on Energy Energy Manager Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Save on Energy Monitoring & Targeting Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Retrofit Program - P4P	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence

Ontario Energy Board

Legend

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

Instructions (Steps)

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

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

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

Step:	#1					#3	#2	#4	#1 Net Verified Annual Energy Savings at the End-User Level (kWh)																													
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
LDC	Business	Business Refrigeration Incentives Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation on the Coast Home Assistance Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation on the Coast Small Business Lighting Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	First Nations Conservation Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	High Efficiency Agricultural Pumping Local Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Instant Savings Local Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	OPsaver Local Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Pool Saver Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	PUMPsaver Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	RTUsaver Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Social Benchmarking Local Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Air Source Heat Pump – For Residential Space Heating LDC Innovation Fund Pilot Prog	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Air Source Heat Pump – For Residential Water Heating LDC Innovation Fund Pilot Prog	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Block Heater Timer LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Commercial Energy Management and Load Control (CEMLC) LDC Innovation Fund Pilo	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation Cultivator LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Data Centre LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Electronics Take Back LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Energy Reinvestment LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Hotel/Motel LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Other	Intelligent Air Technology LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Other	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Other	OPsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Other	EE	2015	2017 Results Persistence	Current year savings					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
Non-LDC	Business	PUMPsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					667,979	667,979	667,979	667,979	667,979	667,979	667,979	667,979	667,979	667,979	667,979	667,979	667,979	667,979	667,979	0	0	0	0	0	0	0	0	0	0	0
Non-LDC	Consumer	Residential Direct Install LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
Non-LDC	Business	Residential Direct Mail LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
Non-LDC	Business	Residential Ductless Heat Pump LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
Non-LDC	Business	Retrocommissioning LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
Non-LDC	Business	RTUsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Small & Medium Business Energy Management System LDC Innovation Fund Pilot Prog	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Solar Powered Attic Ventilation LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation Fund Pilot Prog	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Truckload Event LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Industrial Accelerator Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Energy Performance Program for Multi-Site Customers	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Whole Home Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Retrofit Program Enabled Savings	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy High Performance New Construction Program Enabled Savings	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Process & Systems Upgrades Program Enabled Savings	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Non-Approved Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Unassigned Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation Voltage Reduction Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	EnerNOC Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Other	Loblaw P4P Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Other	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Ontario Clean Water Agency P4P Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Performance Based Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Social Benchmarking Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Strategic Energy Group Conservation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Appliance Retirement Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Coupon Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					276,468	274,563	274,563	274,563	274,563	274,563	274,563	274,520	274,520	274,520	261,091	254,175	254,175	253,541	253,541	253,475	79,919	79,919	79,919	79,919	0	0	0	0	0	0
LDC	Business	Bi-Annual Retailer Event Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	HVAC Incentives Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					74,313	74,313	74,313	74,313	74,313	74,313	74,313	74,313	74,313	74,313	74,313	74,313	74,313	74,313	74,313	74,313	74,313	74,313	72,176	0	0	0	0	0	0	0
LDC	Business	Residential New Construction and Major Renovation Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Energy Audit Initiative	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					2,775,299	2,775,299	2,775,299	2,775,299	7,005,028	7,005,028	7,005,028	7,005,028	7,005,028	7,005,028	7,005,028	7,005,028	7,005,028	4,903,520	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Efficiency: Equipment Replacement Incentive Initiative	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					15,778,202	15,766,691	15,510,281	15,501,445	15,501,445	15,501,445	14,600,267	14,600,267	14,011,101	10,171,176	5,563,754	4,996,108	4,634,409	4,631,216	4,631,216	3,477,510	160,002	160,002	160,002	160,002	0	0	0	0	0	0	0
LDC	Business	Direct Install Lighting and Water Heating Initiative	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	New Construction and Major Renovation Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					20,332,548	20,332,548	20,332,548	20,332,548	20,332,548	20,332,548	20,332,548	20,332,548	20,332,548	20,332,548	20,332,548	20,332,548	20,332,548	20,332,548	8,822,462	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Existing Building Commissioning Incentive Initiative	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					243,087	243,087	243,087	243,087	243,087	243,087	243,087	243,087	243,087	243,087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Consumer	Process and Systems Upgrades Initiatives - Project Incentive Initiative	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	5,326,500	0	0	0	0	0	0
LDC	Business	Process and Systems Upgrades Initiatives - Energy Manager Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					125,317	125,317	125,317	125,317	125,317	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Consumer	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Low Income Initiative	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					15,871	15,220	15,155	15,090	14,941	14,941	14,690	14,582	13,700	13,700	12,852	12,852	12,852	12,852	6,345	6,078	6,078	6,078	6,078	6,078	0	0	0	0	0	0
LDC	Consumer	Aboriginal Conservation Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Program Enabled Savings	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Coupon Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Instant Discount Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Heating & Cooling Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy New Construction Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Save on Energy Home Assistance Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Save on Energy Audit Funding Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					173,533	173,533	173,533	173,533	173,533	173,533	173,533	173,533	173,533	173,533	173,533	173,533	173,533	121,473	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					7,223,498	7,296,551	7,379,548	7,448,008	7,448,008	7,448,008	8,888,363	8,888,363	8,902,601	8,247,318	6,400,346	6,307,511	6,304,209	6,304,209	6,304,209	4,345,008	20,206	20,206	20,206	20,206	0	0	0	0	0	0
LDC	Business	Save on Energy Small Business Lighting Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy High Performance New Construction Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Existing Building Commissioning Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Business Refrigeration Incentive Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Save on Energy Process & Systems Upgrades Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Save on Energy Energy Manager Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					0	0	0	0	0	0	0

Ontario Energy Board

Supporting Documentation:
LDC Persistence Savings Results from IESO

Version 5.0 (2021)

Legend

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

Instructions (Steps)

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

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

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

Step:	#1					#3	#2	#4	#1 Net Verified Annual Peak Demand Savings at the End-User Level (kW)																														
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Non-LDC	Business	Electronics Take Back LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
Non-LDC	Business	Energy Reinvestment LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Hotel/Motel LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Intelligent Air Technology LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	OPsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	PUMPsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Residential Direct Install LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Residential Direct Mail LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Residential Ductless Heat Pump LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Retrocommissioning LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	RTUsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Small & Medium Business Energy Management System LDC Innovation Fund Pilot Pro	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Solar Powered Attic Ventilation LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation Fund Pilot Prog	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Truckload Event LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Industrial Accelerator Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Other	Save on Energy Energy Performance Program for Multi-Site Customers	Toronto Hydro-Electric System Limite	Other	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Whole Home Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Retrofit Program Enabled Savings				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy High Performance New Construction Program Enabled Savings				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Process & Systems Upgrades Program Enabled Savings				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Non-Approved Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Unassigned Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation Voltage Reduction Conservation Fund Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	EnerNOC Conservation Fund Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Loblaw P4P Conservation Fund Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Ontario Clean Water Agency P4P Conservation Fund Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Performance Based Conservation Fund Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Social Benchmarking Conservation Fund Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Strategic Energy Group Conservation Fund Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Appliance Retirement Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Coupon Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Bi-Annual Retailer Event Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	HVAC Incentives Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Residential New Construction and Major Renovation Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Energy Audit Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Efficiency: Equipment Replacement Incentive Initiative				2015	2017 Results Persistence	Current year savings					-24	-19	317	358	358	358	1,165	1,165	1,416	1,143	439	319	233	213	213	191	120	120	120	120	0	0	0	0	0	0
LDC	Business	Direct Install Lighting and Water Heating Initiative				2015	2017 Results Persistence	Current year savings					-628	-436	135	201	201	201	201	201	201	201	201	182	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	New Construction and Major Renovation Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Existing Building Commissioning Incentive Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Process and Systems Upgrades Initiatives - Project Incentive Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Process and Systems Upgrades Initiatives - Energy Manager Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Low Income Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Aboriginal Conservation Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Program Enabled Savings				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Coupon Program				2016	2017 Results Persistence	Current year savings					0	4,896	4,896	4,896	4,896	4,896	4,896	4,896	4,895	4,895	4,879	4,737	4,737	4,737	4,733	4,193	4,193	1,456	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Instant Discount Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Save on Energy Heating & Cooling Program				2016	2017 Results Persistence	Current year savings					0	2,725	2,725	2,725	2,725	2,725	2,725	2,725	2,725	2,725	2,725	2,725	2,725	2,725	2,725	2,725	2,725	2,725	2,725	2,510	0	0	0	0	0	0
LDC	Consumer	Save on Energy New Construction Program				2016	2017 Results Persistence	Current year savings					0	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	6	1	1	1	1	0	0	0	0	0
LDC	Consumer	Save on Energy Home Assistance Program				2016	2017 Results Persistence	Current year savings					0	139	139	138	138	138	138	137	137	133	106	52	52	48	48	48	48	48	48	48	48	1	1	1	1	1
LDC	Business	Save on Energy Audit Funding Program				2016	2017 Results Persistence	Current year savings					0	105	105	105	105	105	105	105	105	105	105	26										0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program				2016	2017 Results Persistence	Current year savings					0	26,210	25,543	25,543	25,543	25,542	25,431	25,431	25,431	25,324	25,324	25,088	18,893	9,475	9,475	1,517	260	260	260	260	260	0	0	0	0	0
LDC	Business	Save on Energy Small Business Lighting Program				2016	2017 Results Persistence	Current year savings					0	9	9	9	9	8	7	7	5	4	3	2	1	1	0											
LDC	Business	Save on Energy High Performance New Construction Program				2016	2017 Results Persistence	Current year savings					0	1,577	1,577	1,577	1,577	1,577	1,577	1,577	1,577	1,577	1,577	1,577	1,577	1,577	1,577	1,577	1,451	1,383	1,374	1,369	1,369	1,369	1,369	1,369	1,369	1,369
LDC	Business	Save on Energy Existing Building Commissioning Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Business Refrigeration Incentive Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Process & Systems Upgrades Program				2016	2017 Results Persistence	Current year savings					0	23	23	23	23	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Energy Manager Program				2016	2017 Results Persistence	Current year savings					0	950	950	935	935	935	227	127	127	127	127	111	110	92	92	92	46	46	46	46	46	0	0	0	0	0
LDC	Business	Save on Energy Monitoring & Targeting Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Retrofit Program - P4P				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Process & Systems Upgrades Program - P4P				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Adaptive Thermostat Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Business Refrigeration Incentives Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation on the Coast Home Assistance Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation on the Coast Small Business Lighting Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	First Nations Conservation Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	High Efficiency Agricultural Pumping Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Instant Savings Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	OPsaver Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Pool Saver Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	PUMPsaver Local Program				2016	2017 Results Persistence	Current year savings					0	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	0	0	0	0	0	0	0	0	0	0
LDC	Consumer	RTUsaver Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Social Benchmarking Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Air Source Heat Pump – For Residential Space Heating LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Air Source Heat Pump – For Residential Water Heating LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Block Heater Timer LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Commercial Energy Management and Load Control (CEMLC) LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation Cultivator LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Data Centre LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Electronics Take Back LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					0	36	36	36	36	36	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Consumer	Energy Reinvestment LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Non-Residen	Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Hotel/Motel LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Intelligent Air Technology LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	OPsaver LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					0	2	2	2	2	2	2	2	2	2	6	-32	-58	-65	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Consumer	PUMPsaver LDC Innovation Fund Pilot Program		

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Legend

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

Instructions (Steps)

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

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

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

Step:	#1					#3	#2	#4	#1 Net Verified Annual Energy Savings at the End-User Level (kWh)																													
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Non-LDC	Business	Electronics Take Back LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
Non-LDC	Business	Energy Reinvestment LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Hotel/Motel LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Intelligent Air Technology LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	OPsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	PUMPsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Residential Direct Install LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Residential Direct Mail LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Residential Ductless Heat Pump LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Retrocommissioning LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	RTUsaver LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Commercial & Institutional	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Small & Medium Business Energy Management System LDC Innovation Fund Pilot Prog	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Solar Powered Attic Ventilation LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation Fund Pilot Prog	Toronto Hydro-Electric System Limite	Industrial	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Truckload Event LDC Innovation Fund Pilot Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Industrial Accelerator Program	Toronto Hydro-Electric System Limite	Residential	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Other	Save on Energy Energy Performance Program for Multi-Site Customers	Toronto Hydro-Electric System Limite	Other	EE	2015	2017 Results Persistence	Current year savings					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
LDC	Business	Whole Home Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Retrofit Program Enabled Savings				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy High Performance New Construction Program Enabled Savings				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Process & Systems Upgrades Program Enabled Savings				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Non-Approved Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Unassigned Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation Voltage Reduction Conservation Fund Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	EnerNOC Conservation Fund Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Loblaw P4P Conservation Fund Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Ontario Clean Water Agency P4P Conservation Fund Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Performance Based Conservation Fund Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Social Benchmarking Conservation Fund Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Strategic Energy Group Conservation Fund Pilot Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Appliance Retirement Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Coupon Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Bi-Annual Retailer Event Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	HVAC Incentives Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Residential New Construction and Major Renovation Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Consumer	Energy Audit Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Efficiency: Equipment Replacement Incentive Initiative				2015	2017 Results Persistence	Current year savings					-11,882	-372	1,089,393	1,220,451	1,220,451	1,220,451	7,195,989	7,195,989	8,467,181	6,919,638	1,756,913	868,833	724,972	665,019	664,927	596,130	383,283	383,283	383,283	383,283	0	0	0	0	0	0
LDC	Business	Direct Install Lighting and Water Heating Initiative				2015	2017 Results Persistence	Current year savings					-2,643,486	-1,744,847	499,899	806,699	806,699	806,699	806,699	806,699	806,699	806,699	806,699	721,505	-376	-376	-376	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	New Construction and Major Renovation Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Existing Building Commissioning Incentive Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Process and Systems Upgrades Initiatives - Project Incentive Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Process and Systems Upgrades Initiatives - Energy Manager Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Low Income Initiative				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Aboriginal Conservation Program				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Program Enabled Savings				2015	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Coupon Program				2016	2017 Results Persistence	Current year savings					0	75,337,483	75,337,483	75,337,483	75,337,483	75,337,483	75,337,483	75,337,483	75,327,953	75,327,953	75,064,707	74,308,025	74,272,006	74,272,006	73,955,566	65,343,535	65,343,535	23,189,645	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Instant Discount Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Save on Energy Heating & Cooling Program				2016	2017 Results Persistence	Current year savings					0	9,295,067	9,295,067	9,295,067	9,295,067	9,295,067	9,295,067	9,295,067	9,295,067	9,295,067	9,295,067	9,295,067	9,295,067	9,295,067	9,295,067	9,295,067	9,295,067	9,295,067	9,102,995	0	0	0	0	0	0	0
LDC	Consumer	Save on Energy New Construction Program				2016	2017 Results Persistence	Current year savings					0	236,600	236,600	236,600	236,600	236,600	236,600	236,600	236,600	236,600	236,600	233,839	233,839	233,839	233,839	233,839	103,931	27,138	25,939	25,939	25,939	0	0	0	0	0
LDC	Consumer	Save on Energy Home Assistance Program				2016	2017 Results Persistence	Current year savings					0	1,171,023	1,163,104	1,155,185	1,155,185	1,155,185	1,154,016	1,148,489	1,146,498	1,056,578	849,247	693,168	693,168	677,816	677,816	677,816	675,722	675,722	675,722	675,722	675,722	1,615	1,615	1,615	1,615	1,615
LDC	Business	Save on Energy Audit Funding Program				2016	2017 Results Persistence	Current year savings					0	801,701	801,701	801,701	801,701	801,701	801,701	801,701	801,701	801,701	801,701	197,931	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program				2016	2017 Results Persistence	Current year savings					0	163,767,555	160,027,151	160,027,151	160,027,151	160,015,860	159,410,849	159,410,849	159,410,849	158,912,363	158,912,363	157,389,188	122,972,278	63,712,758	63,712,758	7,711,463	133,723	133,723	133,723	133,723	133,723	0	0	0	0	0
LDC	Business	Save on Energy Small Business Lighting Program				2016	2017 Results Persistence	Current year savings					0	55,480	55,480	54,834	51,609	46,663	32,562	28,977	18,535	13,589	9,436	6,368	1,929	1,929	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy High Performance New Construction Program				2016	2017 Results Persistence	Current year savings					0	3,687,762	3,687,762	3,687,762	3,687,762	3,687,762	3,687,762	3,687,762	3,687,762	3,687,762	3,687,762	3,687,762	3,687,762	3,687,762	3,687,762	3,687,762	3,305,938	3,091,806	3,044,160	3,019,674	3,019,674	3,019,674	3,019,674	3,019,674	3,019,674	3,019,674
LDC	Business	Save on Energy Existing Building Commissioning Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Business Refrigeration Incentive Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Process & Systems Upgrades Program				2016	2017 Results Persistence	Current year savings					0	339,419	339,419	339,419	339,419	339,419	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Energy Manager Program				2016	2017 Results Persistence	Current year savings					0	10,276,913	10,236,928	10,040,598	9,930,987	9,930,987	3,147,359	2,284,609	2,284,609	2,284,609	2,284,609	1,955,804	1,941,921	836,928	836,928	836,928	390,653	390,653	390,653	390,653	0	0	0	0	0	0
LDC	Business	Save on Energy Monitoring & Targeting Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Retrofit Program - P4P				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Process & Systems Upgrades Program - P4P				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Adaptive Thermostat Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Business Refrigeration Incentives Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation on the Coast Home Assistance Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation on the Coast Small Business Lighting Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	First Nations Conservation Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	High Efficiency Agricultural Pumping Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Instant Savings Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	OPsaver Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Pool Saver Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	PUMPsaver Local Program				2016	2017 Results Persistence	Current year savings					0	834,022	834,022	834,022	834,022	834,022	834,022	834,022	834,022	834,022	834,022	834,022	834,022	834,022	834,022	834,022	0	0	0	0	0	0	0	0	0	0
LDC	Consumer	RTUsaver Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Social Benchmarking Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Air Source Heat Pump – For Residential Space Heating LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Air Source Heat Pump – For Residential Water Heating LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Block Heater Timer LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Commercial Energy Management and Load Control (CEMLC) LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation Cultivator LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Data Centre LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Electronics Take Back LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					0	1,145,480	1,145,480	1,145,480	1,145,480	1,145,480	947,192	946,737	946,737	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Consumer	Energy Reinvestment LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Non-Residen	Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Hotel/Motel LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ontario Energy Board

Supporting Documentation:
LDC Persistence Savings Results from IESO

Version 5.0 (2021)

Legend

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

Instructions
(Steps)

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

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

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

Step:	*#1*					*#3*	*#2*	*#4*	*#1* Net Verified Annual Peak Demand Savings at the End-User Level (kW)																												
Portfolio	**Program**	**Initiative**	**LDC**	**Sector**	**Conservation Resource Type**	**(Implementation) Year**	**Identify Source of Report**	**Identify Status of Savings**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**	**2037**	**2038**	**2039**	**2040**
LDC	Business	Save on Energy Energy Performance Program for Multi-Site Customers				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Whole Home Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Save on Energy Retrofit Program Enabled Savings				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Save on Energy High Performance New Construction Program Enabled Savings				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Save on Energy Process & Systems Upgrades Program Enabled Savings				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Non-Approved Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Unassigned Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Conservation Voltage Reduction Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	EnerNOC Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
LDC	Business	Loblaw P4P Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Ontario Clean Water Agency P4P Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Performance Based Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Social Benchmarking Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Strategic Energy Group Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Appliance Retirement Initiative				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Coupon Initiative				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Bi-Annual Retailer Event Initiative				2016	2017 Results Persistence	Current year savings						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
LDC	Business	HVAC Incentives Initiative				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Residential New Construction and Major Renovation Initiative				2016	2017 Results Persistence	Current year savings						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
LDC	Consumer	Energy Audit Initiative				2016	2017 Results Persistence	Current year savings						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
LDC	Consumer	Efficiency: Equipment Replacement Incentive Initiative				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Direct Install Lighting and Water Heating Initiative				2016	2017 Results Persistence	Current year savings						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
LDC	Business	New Construction and Major Renovation Initiative				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Existing Building Commissioning Incentive Initiative				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Process and Systems Upgrades Initiatives - Project Incentive Initiative				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Process and Systems Upgrades Initiatives - Energy Manager Initiative				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Low Income Initiative				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Aboriginal Conservation Program				2016	2017 Results Persistence	Current year savings						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
LDC	Consumer	Program Enabled Savings				2016	2017 Results Persistence	Current year savings						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
LDC	Consumer	Save on Energy Coupon Program				2016	2017 Results Persistence	Current year savings						0	601	601	601	601	601	601	601	601	601	601	601	601	601	601	529	529	176	0	0	0	0	0	0	0
LDC	Consumer	Save on Energy Instant Discount Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Save on Energy Heating & Cooling Program				2016	2017 Results Persistence	Current year savings						0	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	0	0	0	0	0
LDC	Business	Save on Energy New Construction Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Save on Energy Home Assistance Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Save on Energy Audit Funding Program				2016	2017 Results Persistence	Current year savings						0	165	165	165	165	165	165	165	165	165	165	165	41	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program				2016	2017 Results Persistence	Current year savings						0	6,410	7,077	7,131	7,131	7,131	6,983	6,983	6,983	6,966	6,966	6,695	5,036	1,983	1,983	332	21	21	21	21	21	0	0	0	0	0
LDC	Consumer	Save on Energy Small Business Lighting Program				2016	2017 Results Persistence	Current year savings						0	2	2	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy High Performance New Construction Program				2016	2017 Results Persistence	Current year savings						0	805	805	805	805	805	805	805	805	805	805	805	805	805	805	805	367	122	122	122	122	122	122	122	122
LDC	Consumer	Save on Energy Existing Building Commissioning Program				2016	2017 Results Persistence	Current year savings						0	83	83	83	83	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Business Refrigeration Incentive Program				2016	2017 Results Persistence	Current year savings						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
LDC	Consumer	Save on Energy Process & Systems Upgrades Program				2016	2017 Results Persistence	Current year savings						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
LDC	Consumer	Save on Energy Energy Manager Program				2016	2017 Results Persistence	Current year savings						0	549	512	512	490	490	312	312	312	312	312	241	241	238	59	59	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Monitoring & Targeting Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Save on Energy Retrofit Program - P4P				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Save on Energy Process & Systems Upgrades Program - P4P				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Adaptive Thermostat Local Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Business Refrigeration Incentives Local Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Conservation on the Coast Home Assistance Local Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Conservation on the Coast Small Business Lighting Local Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	First Nations Conservation Local Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	High Efficiency Agriculturual Pumping Local Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	Instant Savings Local Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	OPower Local Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	Pool Saver Local Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	PUMPSaver Local Program				2016	2017 Results Persistence	Current year savings						0	14	14	14	14	14	14	14	14	14	14	14	14	14	14	0	0	0	0	0	0	0	0	0	0
LDC	Residential	RTUsaver Local Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	Social Benchmarking Local Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	Air Source Heat Pump – For Residential Space Heating LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	Air Source Heat Pump – For Residential Water Heating LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	Block Heater Timer LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	Commercial Energy Management and Load Control (CEMLC) LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	Conservation Cultivator LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	Data Centre LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	Electronics Take Back LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	Energy Reinvestment LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	Hotel/Motel LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	Intelligent Air Technology LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	OPower LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	PUMPSaver LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Residential	Residential Direct Install LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Non-Residen	Residential Direct Mail LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Residential Ductless Heat Pump LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Retrocommissioning LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	RTUsaver LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Small & Medium Business Energy Management System LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Consumer	Solar Powered Attic Ventilation LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Consumer	Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Consumer	Truckload Event LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Industrial Accelerator Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Save on Energy Energy Performance Program for Multi-Site Customers				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Whole Home Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Save on Energy Retrofit Program Enabled Savings				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Save on Energy High Performance New Construction Program Enabled Savings				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Save on Energy Process & Systems Upgrades Program Enabled Savings				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Non-Approved Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Unassigned Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Conservation Voltage Reduction Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	EnerNOC Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Loblaw P4P Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings						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
LDC	Business	Ontario

Ontario Energy Board

Legend

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

Instructions (Steps)

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

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

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

Step:	#1					#3	#2	#4	#1 Net Verified Annual Energy Savings at the End-User Level (kWh)																											
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
LDC	Business	Save on Energy Energy Performance Program for Multi-Site Customers				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Whole Home Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Retrofit Program Enabled Savings				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy High Performance New Construction Program Enabled Savings				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Process & Systems Upgrades Program Enabled Savings				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Non-Approved Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Unassigned Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation Voltage Reduction Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	EnerNOC Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					0	9,426	9,426	9,426	9,426	9,426	9,426	9,426	9,426	9,426	9,426	9,426	9,426	9,426	9,426	6,273	6,273	6,273	6,273	0	0	0	0	0	0	0
LDC	Business	Loblaw P4P Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Ontario Clean Water Agency P4P Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Performance Based Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Social Benchmarking Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Strategic Energy Group Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Appliance Retirement Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Coupon Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Bi-Annual Retailer Event Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	HVAC Incentives Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Residential New Construction and Major Renovation Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Energy Audit Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Efficiency: Equipment Replacement Incentive Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Direct Install Lighting and Water Heating Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	New Construction and Major Renovation Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Existing Building Commissioning Incentive Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Process and Systems Upgrades Initiatives - Project Incentive Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Process and Systems Upgrades Initiatives - Energy Manager Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Low Income Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Aboriginal Conservation Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Program Enabled Savings				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Save on Energy Coupon Program				2016	2017 Results Persistence	Current year savings					0	9,394,186	9,394,186	9,394,186	9,394,186	9,394,186	9,394,186	9,394,186	9,393,511	9,393,511	9,402,503	9,393,497	9,398,970	9,398,970	9,380,269	8,242,904	8,242,904	2,808,546	0	0	0	0	0	0	0	0
LDC	Consumer	Save on Energy Instant Discount Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Heating & Cooling Program				2016	2017 Results Persistence	Current year savings					0	113,369	113,369	113,369	113,369	113,369	113,369	113,369	113,369	113,369	113,369	113,369	113,369	113,369	113,369	113,369	113,369	113,369	113,369	110,984	0	0	0	0	0	0
LDC	Business	Save on Energy New Construction Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Home Assistance Program				2016	2017 Results Persistence	Current year savings					0	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	0	0	0	0	0
LDC	Business	Save on Energy Audit Funding Program				2016	2017 Results Persistence	Current year savings					0	1,261,693	1,261,693	1,261,693	1,261,693	1,261,693	1,261,693	1,261,693	1,261,693	1,261,693	1,261,693	311,497	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program				2016	2017 Results Persistence	Current year savings					0	49,736,546	53,476,950	53,725,573	53,725,573	53,725,573	52,748,378	52,748,378	52,748,378	52,591,982	52,591,982	51,012,079	41,424,871	21,462,552	21,462,552	2,669,087	11,508	11,508	11,508	11,508	11,508	0	0	0	0	0
LDC	Consumer	Save on Energy Small Business Lighting Program				2016	2017 Results Persistence	Current year savings					0	13,679	13,679	13,378	11,805	10,588	5,467	5,463	4,332	3,053	2,425	1,855	1,001	1,001	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy High Performance New Construction Program				2016	2017 Results Persistence	Current year savings					0	5,240,784	5,240,784	5,240,784	5,240,784	5,240,784	5,240,784	5,240,784	5,240,784	5,240,784	5,240,784	5,240,784	5,240,784	5,240,784	5,240,784	5,240,784	4,230,332	3,663,658	271,544	271,544	271,544	271,544	271,544	271,544	271,544	271,544
LDC	Consumer	Save on Energy Existing Building Commissioning Program				2016	2017 Results Persistence	Current year savings					0	730,126	730,126	730,126	730,126	730,126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Business Refrigeration Incentive Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Save on Energy Process & Systems Upgrades Program				2016	2017 Results Persistence	Current year savings					0	18,491,408	18,491,408	18,491,408	18,491,408	18,491,408	18,491,408	18,491,408	18,491,408	18,491,408	18,491,408	18,491,408	18,491,408	18,491,408	18,491,408	18,491,408	18,491,408	18,491,408	18,491,408	18,491,408	18,491,408	0	0	0	0	0
LDC	Consumer	Save on Energy Energy Manager Program				2016	2017 Results Persistence	Current year savings					0	5,256,931	5,076,215	5,076,215	4,883,050	4,883,050	3,268,076	3,268,076	3,268,076	3,268,076	3,268,076	3,012,500	3,012,500	2,671,827	424,291	424,291	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Monitoring & Targeting Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Retrofit Program - P4P				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Process & Systems Upgrades Program - P4P				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Adaptive Thermostat Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Business Refrigeration Incentives Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation on the Coast Home Assistance Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation on the Coast Small Business Lighting Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	First Nations Conservation Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	High Efficiency Agriculturual Pumping Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	Instant Savings Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	OPower Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	Pool Saver Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	PUMPsaver Local Program				2016	2017 Results Persistence	Current year savings					0	154,237	154,237	154,237	154,237	154,237	154,237	154,237	154,237	154,237	154,237	154,237	154,237	154,237	154,237	154,237	0	0	0	0	0	0	0	0	0	0
LDC	Residential	RTUsaver Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	Social Benchmarking Local Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	Air Source Heat Pump – For Residential Space Heating LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	Air Source Heat Pump – For Residential Water Heating LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	Block Heater Timer LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	Commercial Energy Management and Load Control (CEMLC) LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	Conservation Cultivator LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	Data Centre LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	Electronics Take Back LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	Energy Reinvestment LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	Hotel/Motel LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	Intelligent Air Technology LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	OPower LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	PUMPsaver LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Residential	Residential Direct Install LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Non-Residen	Residential Direct Mail LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Residential Ductless Heat Pump LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Retrocommissioning LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	RTUsaver LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Small & Medium Business Energy Management System LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Solar Powered Attic Ventilation LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Truckload Event LDC Innovation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Industrial Accelerator Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Energy Performance Program for Multi-Site Customers				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Whole Home Pilot Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Retrofit Program Enabled Savings				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy High Performance New Construction Program Enabled Savings				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Process & Systems Upgrades Program Enabled Savings				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Non-Approved Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Unassigned Program				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation Voltage Reduction Conservation Fund Pilot Program				2016	2017 Results Persistence	Current year savings					0	0	0	0	0

Ontario Energy Board

Supporting Documentation: LDC Persistence Savings Results from IESO

Version 5.0 (2021)

Legend

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

Instructions (Steps)

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

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

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

Step:	#1					#3	#2	#4	#1 Net Verified Annual Peak Demand Savings at the End-User Level (kW)																												
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
LDC	Business	Bi-Annual Retailer Event Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	HVAC Incentives Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Residential New Construction and Major Renovation Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Energy Audit Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Efficiency: Equipment Replacement Incentive Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Direct Install Lighting and Water Heating Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	New Construction and Major Renovation Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Existing Building Commissioning Incentive Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Process and Systems Upgrades Initiatives - Project Incentive Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Process and Systems Upgrades Initiatives - Energy Manager Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Low Income Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Aboriginal Conservation Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Program Enabled Savings				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Coupon Program				2017	2017 Results Persistence	Current year savings					0	0	5,922	4,795	4,795	4,795	4,795	4,795	4,795	4,795	4,795	4,785	4,529	4,529	4,529	4,529	3,889	3,889	408	0	0	0	0	0	0	0
LDC	Business	Save on Energy Instant Discount Program				2017	2017 Results Persistence	Current year savings					0	0	4,728	3,453	3,453	3,453	3,453	3,453	3,453	3,453	3,453	3,453	3,267	3,267	3,267	2,770	2,770	2,146	1,701	0	0	0	0	0	0	0
LDC	Business	Save on Energy Heating & Cooling Program				2017	2017 Results Persistence	Current year savings					0	0	2,087	2,087	2,087	2,087	2,087	2,087	2,087	2,087	2,087	2,087	2,087	2,087	2,087	2,087	2,087	2,087	2,087	2,087	1,899	0	0	0	0	0
LDC	Business	Save on Energy New Construction Program				2017	2017 Results Persistence	Current year savings					0	0	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	46	39	39	39	39	39	39	39	0
LDC	Business	Save on Energy Home Assistance Program				2017	2017 Results Persistence	Current year savings					0	0	165	165	165	165	165	165	165	165	165	164	39	39	37	37	33	33	33	33	33	33	0	0	0	0
LDC	Business	Save on Energy Audit Funding Program				2017	2017 Results Persistence	Current year savings					0	0	427	427	427	427	427	427	427	427	427	368	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program				2017	2017 Results Persistence	Current year savings					0	0	21,105	21,213	21,213	21,213	21,213	19,944	19,944	19,944	19,933	19,933	19,073	18,347	5,481	3,416	319	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Small Business Lighting Program				2017	2017 Results Persistence	Current year savings					0	0	1,159	1,159	1,140	1,135	1,052	906	781	562	430	291	173	99	61	46	27	26	25	23	13	13	2	0	0	0
LDC	Consumer	Save on Energy High Performance New Construction Program				2017	2017 Results Persistence	Current year savings					0	0	1,365	1,365	1,365	1,365	1,365	1,365	1,365	1,365	1,365	1,365	1,365	1,365	1,365	1,365	1,365	1,256	1,195	1,195	1,195	1,195	1,195	1,195	1,195	1,195
LDC	Consumer	Save on Energy Existing Building Commissioning Program				2017	2017 Results Persistence	Current year savings					0	0	62	62	62	62	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Consumer	Business Refrigeration Local Program				2017	2017 Results Persistence	Current year savings					0	0	478	478	478	410	351	351	351	351	351	351	351	351	351	351	351	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Process & Systems Upgrades Program				2017	2017 Results Persistence	Current year savings					0	0	704	704	704	704	704	704	704	704	704	704	461	461	461	461	461	461	461	461	461	461	0	0	0	0
LDC	Business	Save on Energy Energy Manager Program				2017	2017 Results Persistence	Current year savings					0	0	341	329	329	329	329	265	168	168	168	168	100	53	53	53	53	3	3	3	3	3	0	0	0	0
LDC	Business	Save on Energy Monitoring & Targeting Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Retrofit Program - P4P				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Process & Systems Upgrades Program - P4P				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Adaptive Thermostat Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Business Refrigeration Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation on the Coast Home Assistance Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Consumer	Conservation on the Coast Small Business Lighting Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	First Nations Conservation Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Consumer	High Efficiency Agricultural Pumping Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Consumer	Instant Savings Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Consumer	OPshaver Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Pool Saver Local Program				2017	2017 Results Persistence	Current year savings					0	0	268	268	268	268	268	268	268	268	268	268	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	PUMPsaver Local Program				2017	2017 Results Persistence	Current year savings					0	0	2,001	2,001	2,001	2,001	2,001	2,001	2,001	2,001	2,001	2,001	2,001	2,001	2,001	2,001	2,001	0	0	0	0	0	0	0	0	0
LDC	Residential	RTUsaver Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Social Benchmarking Local Program				2017	2017 Results Persistence	Current year savings					0	0	2,324	2,324	2,324	2,324	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Residential	Air Source Heat Pump – For Residential Space Heating LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Air Source Heat Pump – For Residential Water Heating LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Block Heater Timer LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Commercial Energy Management and Load Control (CEMLC) LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Conservation Cultivator LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Data Centre LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Electronics Take Back LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Energy Reinvestment LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Hotel/Motel LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Intelligent Air Technology LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	OPshaver LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	PUMPsaver LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Residential Direct Install LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Residential Direct Mail LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Residential Ductless Heat Pump LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Retrocommissioning LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	RTUsaver LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Small & Medium Business Energy Management System LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Solar Powered Attic Ventilation LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					0	0	78	78	78	78	78	78	78	78	78	78	22	22	19	19	17	17	17	17	17	17	0	0	0	0
LDC	Consumer	Truckload Event LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Consumer	Industrial Accelerator Program				2017	2017 Results Persistence	Current year savings					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
LDC	Consumer	Save on Energy Energy Performance Program for Multi-Site Customers				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Whole Home Pilot Program				2017	2017 Results Persistence	Current year savings					0	0	144	144	144	144	144	143	143	143	143	143	143	143	143	143	143	142	142	142	125	69	0	0	0	0
LDC	Business	Save on Energy Retrofit Program Enabled Savings				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy High Performance New Construction Program Enabled Savings				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Process & Systems Upgrades Program Enabled Savings				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Non-Approved Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Unassigned Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation Voltage Reduction Conservation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	EnerNOC Conservation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Loblaw P4P Conservation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Ontario Clean Water Agency P4P Conservation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Performance Based Conservation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Social Benchmarking Conservation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Strategic Energy Group Conservation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Appliance Retirement Initiative				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Coupon Initiative				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Bi-Annual Retailer Event Initiative				2017	2017 Results Persistence	Current year savings					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
LDC	Business	HVAC Incentives Initiative				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Residential New Construction and Major Renovation Initiative				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Energy Audit Initiative				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Efficiency: Equipment Replacement Incentive Initiative				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Direct Install Lighting and Water Heating Initiative				2017	2017 Results Persistence	Current year savings					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
LDC	Business	New Construction and Major Renovation Initiative				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Existing Building Commissioning Incentive Initiative				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Process and Systems Upgrades Initiatives - Project Incentive Initiative				2017	2017 Results Persistence	Current year savings					0	0	0	0	0	0	0

Ontario Energy Board

Legend

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

Instructions (Steps)

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

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

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

Step:	#1					#3	#2	#4	#1 Net Verified Annual Energy Savings at the End-User Level (kWh)																												
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
LDC	Business	Bi-Annual Retailer Event Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	HVAC Incentives Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Residential New Construction and Major Renovation Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Energy Audit Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Efficiency: Equipment Replacement Incentive Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Direct Install Lighting and Water Heating Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	New Construction and Major Renovation Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Existing Building Commissioning Incentive Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Process and Systems Upgrades Initiatives - Project Incentive Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Process and Systems Upgrades Initiatives - Energy Manager Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Low Income Initiative				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Aboriginal Conservation Program				2016	2017 Results Persistence	Current year savings					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
LDC	Consumer	Program Enabled Savings				2016	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Coupon Program				2017	2017 Results Persistence	Current year savings					0	0	85,853,113	69,054,570	69,054,570	69,054,570	69,054,570	69,054,570	69,054,570	69,053,922	69,053,922	68,897,194	67,566,184	67,556,097	67,556,097	67,550,957	58,006,255	58,006,255	6,078,799	0	0	0	0	0	0	0
LDC	Business	Save on Energy Instant Discount Program				2017	2017 Results Persistence	Current year savings					0	0	68,945,047	49,929,208	49,929,208	49,929,208	49,929,208	49,929,208	49,929,208	49,928,242	49,928,242	49,928,242	49,019,244	48,933,800	48,933,800	41,317,997	41,317,997	32,002,660	25,364,421	0	0	0	0	0	0	0
LDC	Business	Save on Energy Heating & Cooling Program				2017	2017 Results Persistence	Current year savings					0	0	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,328,090	7,042,229	0	0	0	0	0
LDC	Business	Save on Energy New Construction Program				2017	2017 Results Persistence	Current year savings					0	0	236,476	236,476	236,476	236,476	236,476	236,476	236,476	236,476	236,476	236,476	230,182	230,182	230,182	230,182	230,182	178,415	76,089	76,073	76,073	76,073	76,041	76,041	76,041	0
LDC	Business	Save on Energy Home Assistance Program				2017	2017 Results Persistence	Current year savings					0	0	773,687	773,687	773,687	773,687	773,687	773,687	773,687	773,687	773,687	773,199	565,516	563,654	552,906	552,906	527,589	526,117	526,117	526,117	526,117	526,117	526,117	27,924	27,924	27,924
LDC	Business	Save on Energy Audit Funding Program				2017	2017 Results Persistence	Current year savings					0	0	9,604,049	9,604,049	9,604,049	9,604,049	9,604,049	9,604,049	9,604,049	9,604,049	9,604,049	8,294,829	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program				2017	2017 Results Persistence	Current year savings					0	0	146,418,548	146,934,275	146,934,275	146,934,275	146,934,275	138,991,065	138,991,065	138,991,065	138,343,482	138,343,482	133,547,209	129,667,992	49,540,747	37,721,103	5,657,077	2,265,929	2,265,929	2,265,929	2,265,929	2,265,929	0	0	0	0
LDC	Business	Save on Energy Small Business Lighting Program				2017	2017 Results Persistence	Current year savings					0	0	5,306,383	5,306,383	5,103,412	5,056,360	4,473,704	3,596,315	2,967,259	2,001,022	1,478,271	980,161	610,750	368,624	244,454	179,366	101,580	97,310	93,617	85,889	50,580	49,552	9,394	844	844	0
LDC	Consumer	Save on Energy High Performance New Construction Program				2017	2017 Results Persistence	Current year savings					0	0	2,610,141	2,610,141	2,610,141	2,610,141	2,610,141	2,610,141	2,610,141	2,610,141	2,610,141	2,610,141	2,610,141	2,610,141	2,610,141	2,610,141	2,610,141	2,230,761	2,017,999	2,017,999	2,017,999	2,017,999	2,017,999	2,017,999	2,017,999	2,017,999
LDC	Consumer	Save on Energy Existing Building Commissioning Program				2017	2017 Results Persistence	Current year savings					0	0	788,072	788,072	788,072	788,072	788,072	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Consumer	Business Refrigeration Local Program				2017	2017 Results Persistence	Current year savings					0	0	3,480,662	3,480,662	3,480,662	3,102,160	2,774,799	2,718,568	2,718,568	2,718,568	2,718,568	2,718,568	2,718,568	2,718,568	2,718,568	2,718,568	2,718,568	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Process & Systems Upgrades Program				2017	2017 Results Persistence	Current year savings					0	0	2,544,428	2,544,428	2,544,428	2,544,428	2,544,428	2,544,428	2,544,428	2,544,428	2,544,428	2,544,428	678,797	678,797	678,797	678,797	678,797	678,797	678,797	678,797	678,797	678,797	0	0	0	0
LDC	Business	Save on Energy Energy Manager Program				2017	2017 Results Persistence	Current year savings					0	0	6,776,413	5,723,635	5,488,564	4,700,813	4,700,813	3,722,531	3,160,330	3,160,330	3,160,330	3,160,330	1,887,785	1,607,165	1,364,722	251,921	251,921	80,365	80,365	80,365	80,365	80,365	0	0	0	0
LDC	Business	Save on Energy Monitoring & Targeting Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Retrofit Program - P4P				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Process & Systems Upgrades Program - P4P				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Adaptive Thermostat Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Business Refrigeration Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation on the Coast Home Assistance Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Consumer	Conservation on the Coast Small Business Lighting Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	First Nations Conservation Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Consumer	High Efficiency Agricultural Pumping Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Consumer	Instant Savings Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Consumer	OPower Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Pool Saver Local Program				2017	2017 Results Persistence	Current year savings					0	0	1,401,850	1,401,850	1,401,850	1,401,850	1,401,850	1,401,850	1,401,850	1,401,850	1,401,850	1,401,850	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	PUMPsaver Local Program				2017	2017 Results Persistence	Current year savings					0	0	15,568,700	15,568,700	15,568,700	15,568,700	15,568,700	15,568,700	15,568,700	15,568,700	15,568,700	15,568,700	15,568,700	15,568,700	15,568,700	15,568,700	15,568,700	0	0	0	0	0	0	0	0	0
LDC	Residential	RTUsaver Local Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Social Benchmarking Local Program				2017	2017 Results Persistence	Current year savings					0	0	10,476,472	10,476,472	10,476,472	10,476,472	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Residential	Air Source Heat Pump – For Residential Space Heating LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Air Source Heat Pump – For Residential Water Heating LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Block Heater Timer LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Commercial Energy Management and Load Control (CEMLC) LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Conservation Cultivator LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Data Centre LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Electronics Take Back LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Energy Reinvestment LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Hotel/Motel LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Intelligent Air Technology LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	OPhaser LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	PUMPsaver LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Residential Direct Install LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Residential Direct Mail LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Residential Ductless Heat Pump LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Retrocommissioning LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	RTUsaver LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Small & Medium Business Energy Management System LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Residential	Solar Powered Attic Ventilation LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					0	0	373,136	373,136	373,136	373,136	373,136	373,136	373,136	373,136	373,136	372,824	272,124	271,691	261,197	261,197	247,497	246,485	246,485	246,485	246,485	246,485	0	0	0	0
LDC	Consumer	Truckload Event LDC Innovation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Consumer	Industrial Accelerator Program				2017	2017 Results Persistence	Current year savings					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
LDC	Consumer	Save on Energy Energy Performance Program for Multi-Site Customers				2017	2017 Results Persistence	Current year savings					0	0	1,724,912	1,724,912	1,724,912	1,724,912	1,724,912	1,272,658	479,263	479,263	338,665	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Whole Home Pilot Program				2017	2017 Results Persistence	Current year savings					0	0	1,131,518	1,131,518	1,131,518	1,131,518	1,128,806	1,119,867	1,119,867	1,119,867	1,119,867	1,119,867	1,119,867	1,119,830	1,119,830	1,119,830	1,119,830	1,116,667	1,116,667	1,115,562	1,100,183	125,311	0	0	0	0
LDC	Business	Save on Energy Retrofit Program Enabled Savings				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy High Performance New Construction Program Enabled Savings				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Save on Energy Process & Systems Upgrades Program Enabled Savings				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Non-Approved Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Unassigned Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Conservation Voltage Reduction Conservation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	EnerNOC Conservation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Loblaw P4P Conservation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Ontario Clean Water Agency P4P Conservation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Performance Based Conservation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Social Benchmarking Conservation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Strategic Energy Group Conservation Fund Pilot Program				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Appliance Retirement Initiative				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Coupon Initiative				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Bi-Annual Retailer Event Initiative				2017	2017 Results Persistence	Current year savings					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
LDC	Business	HVAC Incentives Initiative				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Residential New Construction and Major Renovation Initiative				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Energy Audit Initiative				2017	2017 Results Persistence	Current year savings					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
LDC	Business	Efficiency: Equipment Replacement Incentive Initiative				2017	2017 Results Persistence	Current year savings					0	0	0	0	0

Ontario Energy Board

Supporting Documentation:
LDC Persistence Savings Results from IESO

Version 5.0 (2021)

Legend

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

Instructions *(Steps)*

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

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

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

Step:	#1					#3	#2	#4	#1																									
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	Net Verified Annual Peak Demand Savings at the End-User Level (kW)																									
									2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
LDC	Consumer	Save on Energy Home Assistance Program				2018		Adjustment								485	485	485	485	485	485	485	485	485	482	115	115	109	109	97	97	97	97	97
LDC	Business	Save on Energy Retrofit Program				2018		Adjustment								14,828	14,904	14,904	14,904	14,904	14,013	14,013	14,013	14,005	14,005	13,401	12,890	3,851	2,400	224	0	0	0	0
LDC	Business	Save on Energy Audit Funding Program				2018		Adjustment																										
LDC	Business	Save on Energy Small Business Lighting Program				2018		Adjustment								2,272	2,272	2,235	2,225	2,062	1,776	1,531	1,102	843	570	339	194	120	90	53	51	49	45	25
LDC	Business	Save on Energy High Performance New Construction Program				2018		Adjustment								245	245	245	245	245	245	245	245	245	245	245	245	245	245	245	226	215	215	215
LDC	Business	Save on Energy Existing Building Commissioning Program				2018		Adjustment								19	19	19	19	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Process & Systems Upgrades Program				2018		Adjustment								489	489	489	489	489	489	489	489	489	489	321	321	321	321	321	321	321	321	321
LDC	Business	Save on Energy Energy Manager Program				2018		Adjustment																										
LDC	Business	Program Enabled				2018		Adjustment																										
LDC	Business	OPsaver Program				2018		Adjustment																										
LDC	Business	PUMPsaver Local Program				2018		Adjustment								941	941	941	941	941	941	941	941	941	941	941	941	941	941	941	0	0	0	0
LDC	Business	RTUsaver Program				2018		Adjustment								547	547	547	547	547	547	547	547	547	547	0	0	0	0	0	0	0	0	0
LDC	Business	SUITESaver Program				2018		Adjustment																										
LDC	Business	Business Refrigeration Local Program				2018		Adjustment								1,351	1,351	1,351	1,159	992	992	992	992	992	992	992	992	992	992	992	0	0	0	0
LDC	Consumer	Adaptive Thermostat Rebate Program				2018		Adjustment																										
LDC	Consumer	Swimming Pool Efficiency Program				2018		Adjustment								225	225	225	225	225	225	225	225	225	225	0	0	0	0	0	0	0	0	0
LDC	Business	Data Centre Pilot				2018		Adjustment																										
LDC	Consumer	Save on Energy Instant Discount Program				2019		Adjustment																										
LDC	Consumer	Save on Energy Heating & Cooling Program				2019		Adjustment																										
LDC	Consumer	Save on Energy New Construction Program				2019		Adjustment																										
LDC	Consumer	Save on Energy Home Assistance Program				2019		Adjustment																										
LDC	Business	Save on Energy Retrofit Program				2019		Adjustment																										
LDC	Business	Save on Energy Audit Funding Program				2019		Adjustment																										
LDC	Business	Save on Energy Small Business Lighting Program				2019		Adjustment																										
LDC	Business	Save on Energy High Performance New Construction Program				2019		Adjustment																										
LDC	Business	Save on Energy Existing Building Commissioning Program				2019		Adjustment																										
LDC	Business	Save on Energy Process & Systems Upgrades Program				2019		Adjustment									153	153	153	153	153	153	153	153	153	153	100	100	100	100	100	100	100	100
LDC	Business	Save on Energy Energy Manager Program				2019		Adjustment																										
LDC	Business	Program Enabled				2019		Adjustment																										
LDC	Business	OPsaver Program				2019		Adjustment																										
LDC	Business	PUMPsaver Local Program				2019		Adjustment																										
LDC	Business	RTUsaver Program				2019		Adjustment																										
LDC	Business	MURB DIL Local Program				2019		Adjustment																										
LDC	Business	Business Refrigeration Local Program				2019		Adjustment																										
LDC	Consumer	Adaptive Thermostat Rebate Program				2019		Adjustment																										
LDC	Consumer	Swimming Pool Efficiency Program				2019		Adjustment									4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0
LDC	Consumer	Pool Saver Local Program				2015		Adjustment																										
LDC	Business	Save on Energy Audit Funding Program				2015		Adjustment																										
LDC	Business	Save on Energy High Performance New Construction Program				2015		Adjustment						27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
LDC	Business	Save on Energy Retrofit Program				2015		Adjustment						13	13	13	13	13	13	12	12	12	10	5	4	3	3	3	2	1	1	1	1	0
LDC	Business	Save on Energy Heating & Cooling Program				2016		Adjustment																										
LDC	Business	Save on Energy Audit Funding Program				2016		Adjustment																										
LDC	Business	Save on Energy High Performance New Construction Program				2016		Adjustment						22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	17	14	14	14	14	14
LDC	Business	Save on Energy Retrofit Program				2016		Adjustment						272	272	273	273	273	271	271	271	270	270	265	200	96	96	15	2	2	2	2	2	0
LDC	Consumer	Adaptive Thermostat Local Program				2017		Adjustment																										
LDC	Consumer	Save on Energy Instant Discount Program				2017		Adjustment																										
LDC	Consumer	Save on Energy Heating & Cooling Program				2017		Adjustment																										
LDC	Consumer	Pool Saver Local Program				2017		Adjustment								2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0
LDC	Consumer	Save on Energy New Construction Program				2017		Adjustment								9	9	9	9	9	9	9	9	9	9	9	9	9	9	5	5	5	5	5
LDC	Business	Save on Energy Small Business Lighting Program				2017		Adjustment								3	3	3	3	3	3	2	2	1	1	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Audit Funding Program				2017		Adjustment																										
LDC	Business	Save on Energy Existing Building Commissioning Program				2017		Adjustment								30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy High Performance New Construction Program				2017		Adjustment								136	136	136	136	136	136	136	136	136	136	136	136	136	136	125	119	119	119	119
LDC	Business	Save on Energy Process & Systems Upgrades Program				2017		Adjustment																										
LDC	Business	PUMPsaver Local Program				2017		Adjustment								41	41	41	41	41	41	41	41	41	41	41	41	41	41	0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program				2017		Adjustment								4,135	4,156	4,156	4,156	4,156	3,907	3,907	3,907	3,905	3,905	3,737	3,594	1,074	669	62	0	0	0	0
LDC	Business	Save on Energy Audit Funding Program				2019		Adjustment									0	0	0	0	0	0	0	0	0	0	0							
LDC	Business	Save on Energy Energy Manager Program				2019		Adjustment									0	0	0	0	0	0	0	0	0	0	0							
LDC	Business	Business Refrigeration Local Program				2019		Adjustment									601	601	601	515	441	441	441	441	441	441	441	441	441	441	441	0	0	0
LDC	Consumer	Save on Energy New Construction Program				2019		Adjustment									26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	17	14	14
LDC	Business	OPsaver Program				2019		Adjustment									0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Consumer	Adaptive Thermostat Rebate Program				2019		Adjustment									651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651	651
LDC	Business	PUMPsaver Local Program				2019		Adjustment									325	325	325	325	325	325	325	325	325	325	325	325	325	325	325	0	0	0
LDC	Business	RTUsaver Program				2019		Adjustment									261	261	261	261	261	261	261	261	261	261	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Small Business Lighting Program				2019		Adjustment									1,032	1,032	1,015	1,010	937	807	695	500	383	259	154	88	54	41	24	23	22	20
LDC	Consumer	Swimming Pool Efficiency Program				2019		Adjustment									1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy High Performance New Construction Program				2019		Adjustment									1,755	1,755	1,755	1,755	1,755	1,755	1,755	1,755	1,755	1,755	1,755	1,755	1,755	1,755	1,755	1,615	1,537	1,537
LDC	Business	Save on Energy Existing Building Commissioning Program				2019		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Consumer	MURB DIL Local Program				2019		Adjustment									6,516	6,516	6,516	6,516	6,516	6,516	6,516	6,516	6,516	6,516	6,516	6,516	6,516	6,516	6,516	6,516	6,516	6,516
LDC	Business	Save on Energy Process & Systems Upgrades Program				2019		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Business	Save on Energy Audit Funding Program				2018		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Business	Save on Energy Energy Manager Program				2018		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Business	Business Refrigeration Local Program				2018		Adjustment									2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0
LDC	Consumer	Save on Energy New Construction Program				2018		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Business	OPsaver Program				2018		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Consumer	Adaptive Thermostat Rebate Program				2018		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Business	PUMPsaver Local Program				2018		Adjustment									415	415	415	415	415	415	415	415	415	415	415	415	415	415	0	0	0	0
LDC	Business	RTUsaver Program				2018		Adjustment									316	316	316	316	316	316	316	316	316	316	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Small Business Lighting Program				2018		Adjustment									4	4	4	4	4	3	3	2	2	1	1	0	0	0	0	0	0	0
LDC	Consumer	Swimming Pool Efficiency Program				2018		Adjustment									13	13	13	13	13	13	13	13	13	13	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy High Performance New Construction Program				2018		Adjustment									959	959	959	959	959	959	959	959	959	959	959	959	959	959	882	839	839	839
LDC	Business	Save on Energy Existing Building Commissioning Program				2018		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Consumer	MURB DIL Local Program				2018		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Business	Save on Energy Process & Systems Upgrades Program				2018		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Consumer	Pool Saver Local Program				2017		Adjustment								1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy High Performance New Construction Program				2017		Adjustment								457	457	457	457	457	457	457	457	457	457	457	457	457	457	421	400	400	400	400
LDC	Business	Save on Energy Existing Building Commissioning Program				2017		Adjustment								4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Process & Systems Upgrades Program				2017		Adjustment								94	94	94	94	94	94	94	94	94	62	62	62	62	62	62	62	62	62	62
LDC	Business	Save on Energy Existing Building Commissioning Program				2016		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Business	Save on Energy Audit Funding Program				2016		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Business	Save on Energy High Performance New Construction Program				2016		Adjustment						105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	88	79	39	39	39	39
LDC	Business	Save on Energy New Construction Program				2016		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Consumer	Swimming Pool Efficiency Program				2016		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Business	Save on Energy Audit Funding Program				2017		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Business	Save on Energy High Performance New Construction Program				2017		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Business	Save on Energy New Construction Program				2017		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Consumer	Swimming Pool Efficiency Program				2017		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Business	Save on Energy Audit Funding Program				2018		Adjustment									0	0	0	0	0	0	0	0	0	0								
LDC	Business	Save on Energy High Performance New Construction Program				2018		Adjustment									51	51	51	51	51	51	51	51	51	51	51	51	51	51	44	40	40	40

Portfolio	Program	Initiative	2037	2038	2039	2040
LDC	Consumer	Save on Energy Home Assistance Program	0	0	0	0
LDC	Business	Save on Energy Retrofit Program	0	0	0	0
LDC	Business	Save on Energy Audit Funding Program				
LDC	Business	Save on Energy Small Business Lighting Program	0	0	0	0
LDC	Business	Save on Energy High Performance New Construction Program	215	215	215	215
LDC	Business	Save on Energy Existing Building Commissioning Program	0	0	0	0
LDC	Business	Save on Energy Process & Systems Upgrades Program	321	321	321	321
LDC	Business	Save on Energy Energy Manager Program				
LDC	Business	Program Enabled				
LDC	Business	OPsaver Program				
LDC	Business	PUMPsaver Local Program	0	0	0	0
LDC	Business	RTUsaver Program	0	0	0	0
LDC	Business	SUITESaver Program				
LDC	Business	Business Refrigeration Local Program	0	0	0	0
LDC	Consumer	Adaptive Thermostat Rebate Program				
LDC	Consumer	Swimming Pool Efficiency Program	0	0	0	0
LDC	Business	Data Centre Pilot				
LDC	Consumer	Save on Energy Instant Discount Program				
LDC	Consumer	Save on Energy Heating & Cooling Program				
LDC	Consumer	Save on Energy New Construction Program				
LDC	Consumer	Save on Energy Home Assistance Program				
LDC	Business	Save on Energy Retrofit Program				
LDC	Business	Save on Energy Audit Funding Program				
LDC	Business	Save on Energy Small Business Lighting Program				
LDC	Business	Save on Energy High Performance New Construction Program				
LDC	Business	Save on Energy Existing Building Commissioning Program				
LDC	Business	Save on Energy Process & Systems Upgrades Program	100	100	100	0
LDC	Business	Save on Energy Energy Manager Program				
LDC	Business	Program Enabled				
LDC	Business	OPsaver Program				
LDC	Business	PUMPsaver Local Program				
LDC	Business	RTUsaver Program				
LDC	Business	MURB DIL Local Program				
LDC	Business	Business Refrigeration Local Program				
LDC	Consumer	Adaptive Thermostat Rebate Program				
LDC	Consumer	Swimming Pool Efficiency Program	0	0	0	0
LDC	Consumer	Pool Saver Local Program				
LDC	Business	Save on Energy Audit Funding Program				
LDC	Business	Save on Energy High Performance New Construction Program	27	27	27	27
LDC	Business	Save on Energy Retrofit Program	0	0	0	0
LDC	Business	Save on Energy Heating & Cooling Program				
LDC	Business	Save on Energy Audit Funding Program				
LDC	Business	Save on Energy High Performance New Construction Program	14	14	14	14
LDC	Business	Save on Energy Retrofit Program	0	0	0	0
LDC	Consumer	Adaptive Thermostat Local Program				
LDC	Consumer	Save on Energy Instant Discount Program				
LDC	Consumer	Save on Energy Heating & Cooling Program				
LDC	Consumer	Pool Saver Local Program	0	0	0	0
LDC	Consumer	Save on Energy New Construction Program	5	5	5	0
LDC	Business	Save on Energy Small Business Lighting Program	0	0	0	0
LDC	Business	Save on Energy Audit Funding Program				
LDC	Business	Save on Energy Existing Building Commissioning Program	0	0	0	0
LDC	Business	Save on Energy High Performance New Construction Program	119	119	119	119
LDC	Business	Save on Energy Process & Systems Upgrades Program				
LDC	Business	PUMPsaver Local Program	0	0	0	0
LDC	Business	Save on Energy Retrofit Program	0	0	0	0
LDC	Business	Save on Energy Audit Funding Program				
LDC	Business	Save on Energy Energy Manager Program				
LDC	Business	Business Refrigeration Local Program	0	0	0	0
LDC	Consumer	Save on Energy New Construction Program	17	14	14	14
LDC	Business	OPsaver Program	0	0	0	0
LDC	Consumer	Adaptive Thermostat Rebate Program	651	651	651	651
LDC	Business	PUMPsaver Local Program	0	0	0	0
LDC	Business	RTUsaver Program	0	0	0	0
LDC	Business	Save on Energy Small Business Lighting Program	23	22	20	12
LDC	Consumer	Swimming Pool Efficiency Program	0	0	0	0
LDC	Business	Save on Energy High Performance New Construction Program	1,537	1,537	1,537	1,537
LDC	Business	Save on Energy Existing Building Commissioning Program				
LDC	Consumer	MURB DIL Local Program	6,516	6,516	6,516	6,516
LDC	Business	Save on Energy Process & Systems Upgrades Program				
LDC	Business	Save on Energy Audit Funding Program				
LDC	Business	Save on Energy Energy Manager Program				
LDC	Business	Business Refrigeration Local Program	0	0	0	0
LDC	Consumer	Save on Energy New Construction Program				
LDC	Business	OPsaver Program				
LDC	Consumer	Adaptive Thermostat Rebate Program				
LDC	Business	PUMPsaver Local Program	0	0	0	0
LDC	Business	RTUsaver Program	0	0	0	0
LDC	Business	Save on Energy Small Business Lighting Program	0	0	0	0
LDC	Consumer	Swimming Pool Efficiency Program	0	0	0	0
LDC	Business	Save on Energy High Performance New Construction Program	839	839	839	839
LDC	Business	Save on Energy Existing Building Commissioning Program				
LDC	Consumer	MURB DIL Local Program				
LDC	Business	Save on Energy Process & Systems Upgrades Program				
LDC	Consumer	Pool Saver Local Program	0	0	0	0
LDC	Business	Save on Energy High Performance New Construction Program	400	400	400	400
LDC	Business	Save on Energy Existing Building Commissioning Program	0	0	0	0
LDC	Business	Save on Energy Process & Systems Upgrades Program	62	62	62	62
LDC	Business	Save on Energy Existing Building Commissioning Program				
LDC	Business	Save on Energy Audit Funding Program				
LDC	Business	Save on Energy High Performance New Construction Program	39	39	39	39
LDC	Business	Save on Energy New Construction Program				
LDC	Consumer	Swimming Pool Efficiency Program				
LDC	Business	Save on Energy Audit Funding Program				
LDC	Business	Save on Energy High Performance New Construction Program				
LDC	Business	Save on Energy New Construction Program				
LDC	Consumer	Swimming Pool Efficiency Program				
LDC	Business	Save on Energy Audit Funding Program				
LDC	Business	Save on Energy High Performance New Construction Program	40	40	40	40

Ontario Energy Board

Legend

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

Instructions (Steps)

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

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

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

Step:	#1					#3	#2	#4	#1																									
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	Net Verified Annual Energy Savings at the End-User Level (kWh)																									
									2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
LDC	Consumer	Save on Energy Home Assistance Program				2018		Adjustment								834,949	834,949	834,949	834,949	834,949	834,949	834,949	834,949	834,949	834,949	834,423	610,295	608,286	596,686	596,686	569,365	567,776	567,776	567,776
LDC	Business	Save on Energy Retrofit Program				2018		Adjustment								119,405,875	119,826,456	119,826,456	119,826,456	119,826,456	113,348,684	113,348,684	113,348,684	112,820,573	112,820,573	108,909,162	105,745,619	40,401,003	30,761,959	4,613,406	1,847,889	1,847,889	1,847,889	1,847,889
LDC	Business	Save on Energy Audit Funding Program				2018		Adjustment																										
LDC	Business	Save on Energy Small Business Lighting Program				2018		Adjustment								6,885,942	6,885,942	6,622,552	6,561,494	5,805,398	4,666,836	3,850,528	2,596,669	1,918,310	1,271,927	792,553	478,353	317,221	232,758	131,817	126,276	121,484	111,456	65,636
LDC	Business	Save on Energy High Performance New Construction Program				2018		Adjustment								1,748,428	1,748,428	1,748,428	1,748,428	1,748,428	1,748,428	1,748,428	1,748,428	1,748,428	1,748,428	1,748,428	1,748,428	1,748,428	1,748,428	1,748,428	1,494,297	1,351,776	1,351,776	1,351,776
LDC	Business	Save on Energy Existing Building Commissioning Program				2018		Adjustment								92,528	92,528	92,528	92,528	92,528	92,528														
LDC	Business	Save on Energy Process & Systems Upgrades Program				2018		Adjustment								3,369,435	3,369,435	3,369,435	3,369,435	3,369,435	3,369,435	3,369,435	3,369,435	3,369,435	3,369,435	3,369,435	898,891	898,891	898,891	898,891	898,891	898,891	898,891	898,891
LDC	Business	Save on Energy Energy Manager Program				2018		Adjustment																										
LDC	Business	Program Enabled				2018		Adjustment																										
LDC	Business	OPsaver Program				2018		Adjustment								215,781	215,781	215,781	215,781	215,781	215,781	215,781	215,781	212,350	178,405	113,389	75,848	49,767	-	-	-	-	-	-
LDC	Business	PUMPsaver Local Program				2018		Adjustment								5,713,080	5,713,080	5,713,080	5,713,080	5,713,080	5,713,080	5,713,080	5,713,080	5,713,080	5,713,080	5,713,080	5,713,080	5,713,080	5,713,080	5,713,080	-	-	-	-	-
LDC	Business	RTUsaver Program				2018		Adjustment								2,382,984	2,382,984	2,382,984	2,382,984	2,382,984	2,382,984	2,382,984	2,382,984	2,382,984	2,382,984	-	-	-	-	-	-	-	-	-
LDC	Business	SUITESaver Program				2018		Adjustment																										
LDC	Business	Business Refrigeration Local Program				2018		Adjustment								8,659,818	8,659,818	8,659,818	7,718,113	6,903,645	6,763,743	6,763,743	6,763,743	6,763,743	6,763,743	6,763,743	6,763,743	6,763,743	6,763,743	6,763,743	-	-	-	-	-
LDC	Consumer	Adaptive Thermostat Rebate Program				2018		Adjustment								1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755	1,994,755
LDC	Consumer	Swimming Pool Efficiency Program				2018		Adjustment								671,046	671,046	671,046	671,046	671,046	671,046	671,046	671,046	671,046	671,046	-	-	-	-	-	-	-	-	-
LDC	Business	Data Centre Pilot				2018		Adjustment																										
LDC	Consumer	Save on Energy Instant Discount Program				2019		Adjustment																										
LDC	Consumer	Save on Energy Heating & Cooling Program				2019		Adjustment									78,240	78,240	78,240	78,240	78,240	78,240	78,240	78,240	78,240	78,240	78,240	78,240	78,240	78,240	78,240	78,240	78,240
LDC	Consumer	Save on Energy New Construction Program				2019		Adjustment																										
LDC	Consumer	Save on Energy Home Assistance Program				2019		Adjustment																										
LDC	Business	Save on Energy Retrofit Program				2019		Adjustment									646,187	648,463	648,463	648,463	648,463	613,408	613,408	613,408	610,550	610,550	589,382	572,262	218,638	166,474	24,966	10,000	10,000
LDC	Business	Save on Energy Audit Funding Program				2019		Adjustment																										
LDC	Business	Save on Energy Small Business Lighting Program				2019		Adjustment									786,538	786,538	756,453	749,478	663,114	533,063	439,822	296,601	219,117	145,284	90,528	54,639	36,234	26,587	15,057	14,424	13,876
LDC	Business	Save on Energy High Performance New Construction Program				2019		Adjustment																										
LDC	Business	Save on Energy Existing Building Commissioning Program				2019		Adjustment																										
LDC	Business	Save on Energy Process & Systems Upgrades Program				2019		Adjustment									1,715,381	1,715,381	1,715,381	1,715,381	1,715,381	1,715,381	1,715,381	1,715,381	1,715,381	1,715,381	457,626	457,626	457,626	457,626	457,626	457,626	457,626
LDC	Business	Save on Energy Energy Manager Program				2019		Adjustment																										
LDC	Business	Program Enabled				2019		Adjustment																										
LDC	Business	OPsaver Program				2019		Adjustment																										
LDC	Business	PUMPsaver Local Program				2019		Adjustment																										
LDC	Business	RTUsaver Program				2019		Adjustment									6,506	6,506	6,506	6,506	6,506	6,506	6,506	6,506	6,506	6,506	-	-	-	-	-	-	-
LDC	Business	MURB DIL Local Program				2019		Adjustment																										
LDC	Business	Business Refrigeration Local Program				2019		Adjustment																										
LDC	Consumer	Adaptive Thermostat Rebate Program				2019		Adjustment																										
LDC	Consumer	Swimming Pool Efficiency Program				2019		Adjustment									14,182	14,182	14,182	14,182	14,182	14,182	14,182	14,182	14,182	14,182	-	-	-	-	-	-	-
LDC	Consumer	Pool Saver Local Program				2015		Adjustment					2,467	2,467	2,467	2,467	2,467	2,467	2,467	2,467	2,467	2,467	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Audit Funding Program				2015		Adjustment																										
LDC	Business	Save on Energy High Performance New Construction Program				2015		Adjustment					165,899	165,899	165,899	165,899	165,899	165,899	165,899	165,899	165,899	165,899	165,899	165,899	165,899	165,899	165,899	165,899	165,899	165,899	165,899	165,899	165,899
LDC	Business	Save on Energy Retrofit Program				2015		Adjustment					157,257	156,898	156,490	156,490	156,490	156,373	149,299	149,299	147,901	125,375	68,621	63,977	46,206	46,206	46,206	29,816	1,921	1,921	1,921	1,921	-
LDC	Business	Save on Energy Heating & Cooling Program				2016		Adjustment						6,956	6,956	6,956	6,956	6,956	6,956	6,956	6,956	6,956	6,956	6,956	6,956	6,956	6,956	6,956	6,956	6,956	6,956	6,812	-	-
LDC	Business	Save on Energy Audit Funding Program				2016		Adjustment																										
LDC	Business	Save on Energy High Performance New Construction Program				2016		Adjustment						318,803	318,803	318,803	318,803	318,803	318,803	318,803	318,803	318,803	318,803	318,803	318,803	318,803	318,803	318,803	269,090	241,211	118,391	117,516	117,516
LDC	Business	Save on Energy Retrofit Program				2016		Adjustment						2,776,398	2,776,398	2,779,631	2,779,631	2,779,484	2,758,909	2,758,909	2,758,909	2,750,393	2,750,393	2,710,040	2,137,813	1,307,616	1,307,616	134,988	1,889	1,889	1,889	1,889	1,889
LDC	Consumer	Adaptive Thermostat Local Program				2017		Adjustment							375,276	375,276	375,276	375,276	375,276	375,276	375,276	375,276	375,276	375,276	375,276	375,276	375,276	375,276	375,276	375,276	375,276	375,276	375,276
LDC	Consumer	Save on Energy Instant Discount Program				2017		Adjustment							92,404	74,323	74,323	74,323	74,323	74,323	74,323	74,323	74,323	74,154	72,721	72,720	72,710	72,705	62,432	62,432	6,543	-	-
LDC	Consumer	Save on Energy Heating & Cooling Program				2017		Adjustment							858,604	858,604	858,604	858,604	858,604	858,604	858,604	858,604	858,604	858,604	858,604	858,604	858,604	858,604	858,604	858,604	858,604	858,604	825,111
LDC	Consumer	Pool Saver Local Program				2017		Adjustment							2,666	2,666	2,666	2,666	2,666	2,666	2,666	2,666	2,666	2,666	-	-	-	-	-	-	-	-	-
LDC	Consumer	Save on Energy New Construction Program				2017		Adjustment							130,187	130,187	130,187	130,187	130,187	130,187	130,187	130,187	130,187	130,187	126,722	126,722	126,722	126,722	126,722	98,223	41,889	41,880	41,880
LDC	Business	Save on Energy Small Business Lighting Program				2017		Adjustment							10,019	10,019	9,636	9,547	8,447	6,790	5,603	3,778	2,791	1,851	1,153	696	462	339	192	184	177	162	96
LDC	Business	Save on Energy Audit Funding Program				2017		Adjustment							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Existing Building Commissioning Program				2017		Adjustment							97,599	97,599	97,599	97,599	97,599	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy High Performance New Construction Program				2017		Adjustment							418,934	418,934	418,934	418,934	418,934	418,934	418,934	418,934	418,934	418,934	418,934	418,934	418,934	418,934	418,934	358,042	323,894	323,894	323,894
LDC	Business	Save on Energy Process & Systems Upgrades Program				2017		Adjustment							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	PUMPsaver Local Program				2017		Adjustment							240,788	240,788	240,788	240,788	240,788	240,788	240,788	240,788	240,788	240,788	240,788	240,788	240,788	240,788	240,788	-	-	-	-
LDC	Business	Save on Energy Retrofit Program				2017		Adjustment							42,982,521	43,133,918	43,133,918	43,133,918	43,133,918	40,802,115	40,802,115	40,802,115	40,612,011	40,612,011	39,204,021	38,065,240	34,543,145	11,073,379	1,660,687	665,184	665,184	665,184	665,184
LDC	Business	Save on Energy Audit Funding Program				2019		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Energy Manager Program				2019		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Business Refrigeration Local Program				2019		Adjustment								3,822,390	3,822,390	3,822,390	3,406,727	3,047,226	2,985,474	2,985,474	2,985,474	2,985,474	2,985,474	2,985,474	2,985,474	2,985,474	2,985,474	2,985,474	2,985,474	2,985,474	2,985,474
LDC	Consumer	Save on Energy New Construction Program				2019		Adjustment								745,820	745,820	745,820	745,820	745,820	745,820	745,820	745,820	745,820	745,820	745,820	725,970	725,970	725,970	725,970	725,970	562,702	239,977
LDC	Business	OPsaver Program				2019		Adjustment								3,866,618	3,866,618	3,866,618	3,866,618	3,866,618	3,866,618	3,866,618	3,866,618	3,866,618	3,866,618	3,805,145	3,196,872	2,031,834	1,359,141	891,778	-	-	-	-
LDC	Consumer	Adaptive Thermostat Rebate Program				2019		Adjustment								151,692	151,692	151,692	151,692	151,692	151,692	151,692	151,692	151,692	151,692	151,692	151,692	151,692	151,692	151,692	151,692	151,692	151,692
LDC	Business	PUMPsaver Local Program				2019		Adjustment								2,343,728	2,343,728	2,343,728	2,343,728	2,343,728	2,343,728	2,343,728	2,343,728	2,343,728	2,343,728	2,343,728	2,343,728	2,343,728	2,343,728	2,343,728	-	-	-	-
LDC	Business	RTUsaver Program				2019		Adjustment								1,259,134	1,259,134	1,259,134	1,259,134	1,259,134	1,259,134	1,259,134	1,259,134	1,259,134	1,259,134	1,259,134	1,259,134	1,259,134	1,259,134	1,259,134	-	-	-	-
LDC	Business	Save on Energy Small Business Lighting Program				2019		Adjustment								4,461,721	4,461,721	4,291,058	4,251,496	3,761,586	3,023,859	2,494,935	1,682,502	1,242,962	824,140	513,532	309,947	205,542	150,815	85,411	81,820	78,715
LDC	Consumer	Swimming Pool Efficiency Program				2019		Adjustment								2,488	2,488	2,488	2,488	2,488	2,488	2,488	2,488	2,488	2,488	2,488	-	-	-	-	-	-	-
LDC	Business	Save on Energy High Performance New Construction Program				2019		Adjustment								4,907,515	4,907,515	4,907,515	4,907,515	4,907,515	4,907,515	4,907,515	4,907,515	4,907,515	4,907,515	4,907,515	4,907,515	4,907,515	4,907,515	4,907,515	4,907,515	4,194,216	3,794,186
LDC	Business	Save on Energy Existing Building Commissioning Program				2019		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	MURB DIL Local Program				2019		Adjustment								9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086	9,033,086
LDC	Business	Save on Energy Process & Systems Upgrades Program				2019		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Audit Funding Program				2018		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Energy Manager Program				2018		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Business Refrigeration Local Program				2018		Adjustment								15,181	15,181	15,181	13,530	12,102	11,857	11,857	11,857	11,857	11,857	11,857	11,857	11,857	11,857	-	-	-	-
LDC	Consumer	Save on Energy New Construction Program				2018		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	OPsaver Program				2018		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Adaptive Thermostat Rebate Program				2018		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	PUMPsaver Local Program				2018		Adjustment								1,264,998	1,264,998	1,264,998	1,264,998	1,264,998	1,264,998	1,264,998	1,264,998	1,264,998	1,264,998	1,264,998	1,264,998	1,264,998	1,264,998	-	-	-	-
LDC	Business	RTUsaver Program				2018		Adjustment								1,360,947	1,360,947	1,360,947	1,360,947	1,360,947	1,360,947	1,360,947	1,360,947	1,360,947	1,360,947	-	-	-	-	-	-	-
LDC	Business	Save on Energy Small Business Lighting Program				2018		Adjustment								16,473	16,473	15,843	15,696	13,888	11,164	9,211	6,212	4,589	3,043	1,896	1,144	759	557	315	302	291	267
LDC	Consumer	Swimming Pool Efficiency Program				2018		Adjustment								56,874	56,874	56,874	56,874	56,874	56,874	56,874	56,874	56,874	56,874	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy High Performance New Construction Program				2018		Adjustment								2,943,702	2,943,702	2,943,702	2,943,702	2,943,702	2,943,702	2,943,702	2,943,702	2,943,702	2,943,702	2,943,702	2,943,702	2,943,702	2,943,702	2,943,702	2,515,840	2,275,888
LDC	Business	Save on Energy Existing Building Commissioning Program				2018		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	MURB DIL Local Program				2018		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Process & Systems Upgrades Program				2018		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Pool Saver Local Program				2017		Adjustment							2,383	2,383	2,383	2,383	2,383	2,383	2,383	2,383	2,383	2,383	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy High Performance New Construction Program				2017		Adjustment							611,944	611,944	611,944	611,944	611,944	611,944	611,944	611,944	611,944	611,944	611,944	611,944	611,944	611,944	611,944	522,999	473,117	473,117
LDC	Business	Save on Energy Existing Building Commissioning Program				2017		Adjustment							30,653	30,653	30,653	30,653	30,653	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Process & Systems Upgrades Program				2017		Adjustment							813,010	813,010	813,010	813,010	813,010	813,010	813,010	813,010	813,010	813,010	216,893	216,893	216,893	216,893	216,893	216,893	216,893	216,893	216,893
LDC	Business	Save on Energy Existing Building Commissioning Program				2016		Adjustment						366,905	366,905	366,905	366,905	366,905	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Audit Funding Program				2016		Adjustment							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy High Performance New Construction Program				2016		Adjustment						558,976	558,976	558,976	558,976	558,976	558,976	558,976	558,976	558,976	558,976	558,976	558,976	558,976	558,976	558,976	558,976	471,812	422,929	207,581
LDC	Business	Save on Energy New Construction Program				2016		Adjustment							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Swimming Pool Efficiency Program				2016		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Audit Funding Program				2017		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy High Performance New Construction Program				2017		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy New Construction Program				2017		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Swimming Pool Efficiency Program				2017		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Audit Funding Program				2018		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy High Performance New Construction Program				2018		Adjustment								164,159	164,159	164,159	164,159	164,159	164,159	164,159	164,159	164,159	164,159	164,159	164,159	164,159	164,159	164,159	140,298	126,917

Step:	#1					#3	#2	#4	#1																									
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	Net Verified Annual Energy Savings at the End-User Level (kWh)																									
									2037	2038	2039	2040																						
LDC	Consumer	Save on Energy Home Assistance Program				2018		Adjustment	30,135	30,135	30,135																							
LDC	Business	Save on Energy Retrofit Program				2018		Adjustment	1,847,889	1,847,889	-	-																						
LDC	Business	Save on Energy Audit Funding Program				2018		Adjustment																										
LDC	Business	Save on Energy Small Business Lighting Program				2018		Adjustment	1,095	1,095	1,095																							
LDC	Business	Save on Energy High Performance New Construction Program				2018		Adjustment	1,351,776	1,351,776	1,351,776																							
LDC	Business	Save on Energy Existing Building Commissioning Program				2018		Adjustment	-	-	-																							
LDC	Business	Save on Energy Process & Systems Upgrades Program				2018		Adjustment	898,891	898,891	-																							
LDC	Business	Save on Energy Energy Manager Program				2018		Adjustment																										
LDC	Business	Program Enabled				2018		Adjustment																										
LDC	Business	OPsaver Program				2018		Adjustment	-	-	-																							
LDC	Business	PUMPsaver Local Program				2018		Adjustment	-	-	-																							
LDC	Business	RTUsaver Program				2018		Adjustment	-	-	-																							
LDC	Business	Business Refrigeration Local Program				2018		Adjustment	-	-	-																							
LDC	Consumer	Adaptive Thermostat Rebate Program				2018		Adjustment	-	-	-																							
LDC	Consumer	Swimming Pool Efficiency Program				2018		Adjustment	-	-	-																							
LDC	Consumer	Pool Saver Local Program				2015		Adjustment	-	-	-																							
LDC	Business	Save on Energy Audit Funding Program				2015		Adjustment																										
LDC	Business	Save on Energy High Performance New Construction Program				2015		Adjustment	165,899	165,899	165,899																							
LDC	Business	Save on Energy Retrofit Program				2015		Adjustment	-	-	-																							
LDC	Business	Save on Energy Heating & Cooling Program				2016		Adjustment	-	-	-																							
LDC	Business	Save on Energy Audit Funding Program				2016		Adjustment																										
LDC	Business	Save on Energy High Performance New Construction Program				2016		Adjustment	117,516	117,516	117,516																							
LDC	Business	Save on Energy Retrofit Program				2016		Adjustment	-	-	-																							
LDC	Consumer	Adaptive Thermostat Local Program				2017		Adjustment	375,276	375,276	375,276																							
LDC	Consumer	Save on Energy Instant Discount Program				2017		Adjustment	-	-	-																							
LDC	Consumer	Save on Energy Heating & Cooling Program				2017		Adjustment	-	-	-																							
LDC	Consumer	Pool Saver Local Program				2017		Adjustment	-	-	-																							
LDC	Consumer	Save on Energy New Construction Program				2017		Adjustment	41,880	41,863	41,863	41,863																						
LDC	Business	Save on Energy Small Business Lighting Program				2017		Adjustment	96	94	18	2	2	0																				
LDC	Business	Save on Energy Audit Funding Program				2017		Adjustment	-	-	-																							
LDC	Business	Save on Energy Existing Building Commissioning Program				2017		Adjustment	-	-	-																							
LDC	Business	Save on Energy Process & Systems Upgrades Program				2017		Adjustment	323,894	323,894	323,894	323,894																						
LDC	Business	PUMPsaver Local Program				2017		Adjustment	-	-	-																							
LDC	Business	Save on Energy Retrofit Program				2017		Adjustment	665,184	665,184	665,184																							
LDC	Business	Save on Energy Audit Funding Program				2019		Adjustment																										
LDC	Business	Save on Energy Energy Manager Program				2019		Adjustment																										
LDC	Business	Business Refrigeration Local Program				2019		Adjustment	2,985,474	2,985,474	2,985,474																							
LDC	Consumer	Save on Energy New Construction Program				2019		Adjustment	239,926	239,926	239,926	239,825	239,825	0																				
LDC	Business	OPsaver Program				2019		Adjustment	1,359,141	891,778	-	-	-	-																				
LDC	Consum

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Supporting Documentation:
LDC Persistence Savings Results from IESO

Version 5.0 (2021)

Legend

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

Instructions (Steps)

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

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

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

Step:	#1					#3	#2	#4	#1 Net Verified Annual Peak Demand Savings at the End-User Level (kW)																															
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
LDC	Business	Save on Energy New Construction Program				2018		Adjustment								5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	2	2	2	2	2	2	2
LDC	Consumer	Swimming Pool Efficiency Program				2018		Adjustment								0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Audit Funding Program				2019		Adjustment								0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy High Performance New Construction Program				2019		Adjustment								0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy New Construction Program				2019		Adjustment								0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Consumer	Swimming Pool Efficiency Program				2019		Adjustment								1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program				2015		Adjustment					4	4	4	4	4	4	4	4	4	4	3	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program				2016		Adjustment					81	81	81	81	81	81	80	80	80	80	80	80	79	59	28	28	5	1	1	1	1	1	0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program				2017		Adjustment						736	740	740	740	740	740	695	695	695	695	695	695	665	640	191	119	11	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program				2018		Adjustment							8,335	8,377	8,377	8,377	8,377	8,377	7,876	7,876	7,876	7,876	7,872	7,872	7,532	7,246	2,165	1,349	126	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program				2019		Adjustment							0	5,592	5,621	5,621	5,621	5,621	5,621	5,284	5,284	5,284	5,284	5,282	5,282	5,054	4,861	1,452	905	85	0	0	0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program				2015		Adjustment					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
LDC	Business	Save on Energy Retrofit Program				2016		Adjustment					0	12	12	12	12	12	12	12	12	12	12	12	12	9	4	4	1	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program				2017		Adjustment					0	0	49	49	49	49	49	46	46	46	46	46	46	44	42	13	8	1	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program				2018		Adjustment					0	0	0	1,311	1,317	1,317	1,317	1,317	1,238	1,238	1,238	1,238	1,238	1,238	1,184	1,139	340	212	20	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Retrofit Program				2019		Adjustment					0	0	0	0	3,442	3,459	3,459	3,459	3,459	3,253	3,253	3,253	3,251	3,251	3,251	3,110	2,992	894	557	52	0	0	0	0	0	0	0
LDC	Business	Business Refrigeration Local Program				2019		Adjustment					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
LDC	Consumer	Save on Energy New Construction Program				2019		Adjustment					0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LDC	Business	OPsaver Program				2019		Adjustment					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
LDC	Consumer	Adaptive Thermostat Rebate Program				2019		Adjustment					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
LDC	Business	PUMPsaver Local Program				2019		Adjustment					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
LDC	Business	RTUsaver Program				2019		Adjustment					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
LDC	Business	Save on Energy Small Business Lighting Program				2019		Adjustment					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
LDC	Consumer	Swimming Pool Efficiency Program				2019		Adjustment					0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy High Performance New Construction Program				2019		Adjustment					0	0	0	0	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	153	145	145	145	145	145	145
LDC	Business	Save on Energy Existing Building Commissioning Program				2019		Adjustment					0	0	0	0	17	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Business Refrigeration Local Program				2018		Adjustment					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
LDC	Business	PUMPsaver Local Program				2018		Adjustment					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
LDC	Consumer	Save on Energy New Construction Program				2018		Adjustment					0	0	0	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	17	14	14	14	14	14	14	14
LDC	Business	Save on Energy Existing Building Commissioning Program				2018		Adjustment					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
LDC	Consumer	Swimming Pool Efficiency Program				2018		Adjustment					0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy High Performance New Construction Program				2018		Adjustment					0	0	0	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	401	369	351	351	351	351	351	351	351
LDC	Consumer	Pool Saver Local Program				2017		Adjustment					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
LDC	Business	Save on Energy High Performance New Construction Program				2017		Adjustment					0	0	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	17	16	16	16	16	16	16	16	16
LDC	Business	Save on Energy Existing Building Commissioning Program				2017		Adjustment					0	0	66	66	66	66	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC	Business	Save on Energy Process & Systems Upgrades Program				2017		Adjustment					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
LDC	Business	Save on Energy Existing Building Commissioning Program				2016		Adjustment					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
LDC	Business	Save on Energy High Performance New Construction Program				2016		Adjustment					0	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	9	8	4	4	4	4	4	4	4	4
LDC	Business	Save on Energy Existing Building Commissioning Program				2015		Adjustment					41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41

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Legend

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

Instructions (Steps)

1. Columns B to H of this tab have been structured in a way to match the formatting of the persistence report provided by the IESO. Please copy and paste the program information by initiative in Columns B to H and the
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4. Please identify what the savings value represents (i.e., current year savings for the year or an adjustment to a prior year) via the dropdown list in Column J. Current year savings would be identified with an implementat
5. Please manually input or link the applicable savings and adjustments (Columns L to BT) for all applicable initiatives in Tabs 4 and 5 of this work form.

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

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

Step:	#1					#3	#2	#4	#1																											
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	Net Verified Annual Energy Savings at the End-User Level (kWh)																											
									2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
LDC	Business	Save on Energy New Construction Program				2018		Adjustment								133,961	133,961	133,961	133,961	133,961	133,961	133,961	133,961	133,961	133,961	133,961	130,396	130,396	130,396	130,396	130,396	101,070	43,104	43,095	43,095	43,095	43,077	43,077	43,077
LDC	Consumer	Swimming Pool Efficiency Program				2018		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy Audit Funding Program				2019		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy High Performance New Construction Program				2019		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Business	Save on Energy New Construction Program				2019		Adjustment								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Swimming Pool Efficiency Program				2019		Adjustment								-	1,985	1,985	1,985	1,985	1,985	1,985	1,985	1,985	1,985	1,985	-	-	-	-	0	-	-	-	-	-	-	0
LDC	Business	Save on Energy Retrofit Program				2015		Adjustment					429,048	428,069	426,957	426,957	426,957	426,636	407,338	407,338	403,522	342,063	187,220	174,551	126,066	126,066	126,066	81,348	5,241	5,241	5,241	5,241	-	-	-	-	-	-	0
LDC	Business	Save on Energy Retrofit Program				2016		Adjustment						1,441,024	1,441,024	1,442,702	1,442,702	1,442,626	1,431,947	1,431,947	1,431,947	1,427,527	1,427,527	1,406,583	1,109,582	574,882	574,882	70,062	980	980	980	980	980	-	-	-	-	-	0
LDC	Business	Save on Energy Retrofit Program				2017		Adjustment							5,186,700	5,204,969	5,204,969	5,204,969	5,204,969	4,923,591	4,923,591	4,923,591	4,900,651	4,900,651	4,730,749	4,593,132	1,754,921	1,336,225	200,395	80,268	80,268	80,268	80,268	80,268	-	-	-	-	0
LDC	Business	Save on Energy Retrofit Program				2018		Adjustment								63,957,978	64,183,256	64,183,256	64,183,256	64,183,256	60,713,534	60,713,534	60,713,534	60,430,659	60,430,659	58,335,570	56,641,066	21,640,196	16,477,185	2,471,102	989,794	989,794	989,794	989,794	989,794	-	-	-	0
LDC	Business	Save on Energy Retrofit Program				2019		Adjustment								-	39,759,874	39,899,920	39,899,920	39,899,920	39,899,920	37,742,945	37,742,945	37,742,945	37,567,095	37,567,095	36,264,669	35,211,270	13,452,762	10,243,144	1,536,176	615,312	615,312	615,312	615,312	615,312	-	-	0
LDC	Business	Save on Energy Retrofit Program				2015		Adjustment					0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
LDC	Business	Save on Energy Retrofit Program				2016		Adjustment					0	140,654	140,654	140,817	140,817	140,810	139,768	139,768	139,768	139,336	139,336	137,292	108,303	56,112	56,112	6,839	96	96	96	96	96	-	-	-	-	0
LDC	Business	Save on Energy Retrofit Program				2017		Adjustment					0	-	467,722	469,369	469,369	469,369	469,369	443,995	443,995	443,995	441,926	441,926	426,605	414,213	158,254	120,497	18,071	7,238	7,238	7,238	7,238	7,238	-	-	-	-	0
LDC	Business	Save on Energy Retrofit Program				2018		Adjustment					0	-	-	8,187,557	8,216,396	8,216,396	8,216,396	8,216,396	7,772,221	7,772,221	7,772,221	7,738,009	7,736,009	7,467,807	7,250,885	2,770,262	2,109,321	316,337	126,708	126,708	126,708	126,708	126,708	-	-	-	0
LDC	Business	Save on Energy Retrofit Program				2019		Adjustment					0	-	-	-	22,984,702	23,065,661	23,065,661	23,065,661	23,065,661	21,818,740	21,818,740	21,818,740	21,717,083	21,717,083	20,964,166	20,355,209	7,776,879	5,921,438	888,045	355,704	355,704	355,704	355,704	355,704	-	-	0
LDC	Business	Business Refrigeration Local Program				2019		Adjustment					0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
LDC	Consumer	Save on Energy New Construction Program				2019		Adjustment					0	-	-	-	29,179	29,179	29,179	29,179	29,179	29,179	29,179	29,179	29,179	29,179	28,402	28,402	28,402	28,402	28,402	22,015	9,389	9,387	9,387	9,387	9,383	9,383
LDC	Business	OPsaver Program				2019		Adjustment					0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LDC	Consumer	Adaptive Thermostat Rebate Program				2019		Adjustment					0	-	-	-	0	0	0	0	-	-	-	-	-	-	0	-	-	-	0	-	-	-	-	-	-	0
LDC	Business	PUMPsaver Local Program				2019		Adjustment					0	-	-	-	0	0	0	0	-	-	-	0	0	-	0	-	-	-	0	-	-	-	-	-	-	0
LDC	Business	RTUsaver Program				2019		Adjustment					0	-	-	-	0	0	0	0	-	-	-	0	0	-	0	-	-	-	0	-	-	-	-	-	-	0
LDC	Business	Save on Energy Small Business Lighting Program				2019		Adjustment					0	-	-	-	0	0	0	0	-	-	-	0	0	-	0	-	-	-	0	-	-	-	-	-	-	0
LDC	Consumer	Swimming Pool Efficiency Program				2019		Adjustment					0	-	-	-	2,685	2,685	2,685	2,685	2,685	2,685	2,685	2,685	2,685	2,685	0	-	-	-	0	-	-	-	-	-	-	0
LDC	Business	Save on Energy High Performance New Construction Program				2019		Adjustment					0	-	-	-	928,948	928,948	928,948	928,948	928,948	928,948	928,948	928,948	928,948	928,948	928,948	928,948	928,948	928,948	928,948	793,927	718,205	718,205	718,205	718,205	718,205	718,205
LDC	Business	Save on Energy Existing Building Commissioning Program				2019		Adjustment					0	-	-	-	37,421	37,421	37,421	37,421	37,421	-	-	0	0	-	0	-	-	-	0	-	-	-	-	-	-	0
LDC	Business	Business Refrigeration Local Program				2018		Adjustment					0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
LDC	Business	PUMPsaver Local Program				2018		Adjustment					0	-	-	-	0	0	0	0	-	-	-	0	0	-	0	-	-	-	0	-	-	-	-	-	-	0
LDC	Consumer	Save on Energy New Construction Program				2018		Adjustment					0	-	-	695,511	695,511	695,511	695,511	695,511	695,511	695,511	695,511	695,511	695,511	676,999	676,999	676,999	676,999	676,999	524,745	223,789	223,742	223,742	223,742	223,648	223,648	223,648
LDC	Business	Save on Energy Existing Building Commissioning Program				2018		Adjustment					0	-	-	46,955	46,955	46,955	46,955	46,955	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
LDC	Consumer	Swimming Pool Efficiency Program				2018		Adjustment					0	-	-	6,219	6,219	6,219	6,219	6,219	6,219	6,219	6,219	6,219	6,219	-	-	-	-	-	-	-	-	-	-	-	-	0
LDC	Business	Save on Energy High Performance New Construction Program				2018		Adjustment					0	-	-	853,929	853,929	853,929	853,929	853,929	853,929	853,929	853,929	853,929	853,929	853,929	853,929	853,929	853,929	853,929	729,812	660,205	660,205	660,205	660,205	660,205	660,205	660,205
LDC	Consumer	Pool Saver Local Program				2017		Adjustment					0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
LDC	Business	Save on Energy High Performance New Construction Program				2017		Adjustment					0	-	68,487	68,487	68,487	68,487	68,487	68,487	68,487	68,487	68,487	68,487	68,487	68,487	68,487	68,487	68,487	58,532	52,950	52,950	52,950	52,950	52,950	52,950	52,950	52,950
LDC	Business	Save on Energy Existing Building Commissioning Program				2017		Adjustment					0	-	98,486	98,486	98,486	98,486	98,486	98,486	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
LDC	Business	Save on Energy Process & Systems Upgrades Program				2017		Adjustment					0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
LDC	Business	Save on Energy Existing Building Commissioning Program				2016		Adjustment					0	94,764	94,764	94,764	94,764	94,764	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
LDC	Business	Save on Energy High Performance New Construction Program				2016		Adjustment					0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
LDC	Business	Save on Energy Existing Building Commissioning Program				2015		Adjustment					193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232	193,232

Ontario Energy Board

LRAMVA Work Form:
Documentation for Streetlighting Projects

Version 5.0 (2021)

Legend User Inputs (Green)

Instructions

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

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

Table 8-a: Name of Muncipality

Summary of Project #1

Actual lost revenue based on kW billing				
Month	Billed amount (kW)	Gross kW reduction	Net to Gross Ratio	Net kW reduction
	a	b	c	b * c
Jan 20xx	0.00			
Feb 20xx	0.00	0.00		0
Mar 20xx				
Apr 20xx				
May 20xx				
June 20xx				
Jul 20xx				
Aug 20xx				
Sep 20xx				
Oct 20xx				
Nov 20xx				
Dec 20xx				
Total				**0**
Persistence in 20XX				
Persistence in 20XX				
Persistence in 20XX				
Persistence in 20XX				

Details of Project #1 (Month, Year)

Pre-conversion billing demand

Fixture type	Billing Wattage (kW)	Quantity	Billed amount (kW)
	d	e	d * e
			0

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Toronto Hydro-Electric System Limited
EB-2020-0057
Tab 4
Schedule 1
Appendix D
ORIGINAL
(8 pages)

M&V Report

1st Annual Report

November 20, 2018 – November 19, 2019

[redacted]

4T Vacuum System Upgrade

Project ID: Toronto-PROJECT-601906

December 24, 2019

Revision 0

Prepared for:

Toronto Hydro-Electric System Limited (the LDC)

[redacted]

Prepared by:

CLEAResult Canada Inc.
393 University Avenue, Suite 1622
Toronto, ON, M5G 1E6
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Prepared per Program Rules in 'saveONenergy Process & Systems Upgrades Program, FINAL v2.0', April 6, 2018.

Disclaimer & Limitations

This document was prepared by CLEAResult (CLEAResult Canada Inc.) for the Independent Electricity System Operator (IESO) and exclusively for the purposes set out in the Program Management Agreement between the IESO and CLEAResult, as may be amended and restated from time to time.

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Please note:

Capitalized terms used in this document have the meaning given to them either in the Save on Energy Process and Systems Upgrade Program Rules, or the IPMVP Core Concepts + Statistics and Uncertainty dated June 2014, as applicable.

IPMVP defined terms:

Adjusted Baseline Energy, Avoided Energy Use, Baseline Energy, Baseline Period, Confidence Level, Interactive Effects, M&V, Measurement Boundary, Non-Routine Adjustments, Precision, Reporting Period, Reporting Period Energy, Savings, Static Factors, Uncertainty.

Revision History

Date	Name/Description	Revision	Author
December 24, 2019	M&V Report first issuance.	0	[redacted]

Approvals

Name	Title	Signature	Date
[redacted]	Engineering Manager	[redacted]	December 24, 2019

1. Executive Summary

The Electricity Savings for the M&V Reporting Period of November 20, 2018, to November 19, 2019, are 890 MWh, which represent 122% of the Anticipated Electricity Savings.

For the Incentive payment calculation, the Electricity Savings are capped at 120% of the Anticipated Electricity Savings. The Incentive payable to the Participant for the 1st Annual Reporting Period is $90,978, pending the issuance of the Master Payment Requisition.

2. Project Overview

2.1. Baseline Energy and Anticipated Electricity Savings

The annual Baseline Energy and the Anticipated Electricity Savings are obtained from the M&V Plan, revision 1, dated December 4, 2018, and are presented in Table 1.

Table 1. Annual Baseline Energy and Anticipated Electricity Savings

Description	Value	Unit
Baseline Energy	1,807	MWh/year
Anticipated Electricity Savings	731	MWh/year

This M&V Report assesses the actual Electricity Savings based on raw data provided by the Participant and the methodology described in the M&V Plan.

The M&V Report calculates the actual Electricity Savings divided by the Anticipated Electricity Savings, to verify whether the Project has achieved the Anticipated Electricity Savings.

2.2. In-Service Date and Previous Reporting Periods

The In-Service Date is November 20, 2018, which was established on December 18, 2018.

The 1st Quarterly Reporting Period is from November 20, 2018, to February 19, 2019, representing 92 days (2,208 hours).

2.3. Current Reporting Period

The 1st Annual Reporting Period is from November 20, 2018, to November 19, 2019, representing 365 days (8,760 hours).

3. Reporting Period Energy

3.1. Raw Data

[redacted] (the LDC representative) provided the raw process data to the CMVP for analysis. The raw data includes hourly pump 473 power, operational status of the 4T vacuum system (on/off), and operational data for pump 474.

Table 2 presents an overview of the data related to the duration of the Reporting Period and equipment hours of operation.

Table 2. Reporting Period Hours and missing data

Description	Value	Unit	Comments
Reporting Period Start	November 20, 2018 0:00		
Reporting Period End	November 19, 2019 23:59		
Reporting Period Duration	8,760	hours	
Available Data	8,697	hours	Hours when pump 473 power is available. Corresponds to 99.3% of the Reporting Period Duration.
Hours of Operation	8,482	hours	Hours when pump 473 power is greater than 1 kW. Corresponds to 97.5% of the Available Data hours.

3.2. Reporting Period Energy

This is an IPMVP Option B methodology of calculating the Electricity Savings.

The Reporting Period Energy is itemized in Table 3 below. Note that the 63 hours of missing pump 473 power are conservatively assumed as not operational, meaning no Electricity Savings during those hours.

Table 3. Reporting Period Energy

Description	Value	Unit	Comments
Pump 473 Average Power	115.3	kW	Average operational power (when power is greater than 1 kW).
Pump 474 Average Power	0	kW	Not operational during Reporting Period.
Reporting Period Energy	978	MWh	Total pump power (115.3 kW + 0 kW) × Reporting Period hours of operation (8,482 hours)

4. Electricity Savings

4.1. Adjusted Baseline Energy

The Adjusted Baseline Energy is calculated using pump 473 hours of operation. System (4T stock on/off) hours of operation, as defined in the M&V Plan, section B.5.2, underestimate the hours of operation because the pumps take time to shut down following a 'stock off' condition. The Adjusted Baseline Energy is 1,869 MWh, calculated as shown in Table 4.

Table 4. Adjusted Baseline Energy Calculation

Description	Value	Unit	Comments
Pump 473 Baseline Average Power	145.8	kW	From the M&V Plan.
Pump 474 Baseline Average Power	74.5	kW	From the M&V Plan.
Adjusted Baseline Energy	1,869	MWh	Total Baseline pump power (145.8 kW + 74.5 kW) × Reporting Period hours of operation (8,482 hours).

4.2. Results

The Electricity Savings are calculated according to the following equation:

Electricity Savings = Adjusted Baseline Energy – Reporting Period Energy ± Non-Routine Adjustments

Since there has been no change in the Static Factors as defined in the M&V Plan Section B.5.3, Non-Routine Adjustments are not required for this Reporting Period. The Electricity Savings results are presented in Table 5.

Table 5. Calculation of Electricity Savings

Description	Value	Unit	Comment
Adjusted Baseline Energy	1,869	MWh	From Table 4.
Reporting Period Energy	978	MWh	From Table 3.
Non-Routine Adjustments	0	MWh	None.
Electricity Savings	890	MWh	*Adjusted Baseline Energy – Reporting Period Energy ± Non-Routine Adjustments.*
Electricity Savings Uncertainty	± 5.9%		Calculated using Adjusted Baseline Energy uncertainty (± 2.5%) and Reporting Period Energy uncertainty (± 2.5%), obtained from the M&V Plan.
Anticipated Electricity Savings	731	MWh	From Table 1.
Electricity Savings as a Percentage of Anticipated Electricity Savings	122%		This ratio is capped at 120% for the Incentive payment calculation.
Average Demand Savings	102	kW	*Electricity Savings ÷ Reporting Period duration*.
Reporting Period Peak Demand	95	kW	Average demand during the summer Peak Demand Period, defined as weekdays, 1pm – 7pm, June 1 – August 31.
Baseline Peak Demand	206	kW	From the M&V Plan.
Summer Peak Demand Savings	111	kW	*Reporting Period Peak Demand - Baseline Peak Demand.*

4.3. Incentive Payment

The 1st Annual Reporting Period Incentive is outlined in Table 6. CLEAResult has received the Invoice Reconciliation Form and the invoices.

Table 6. Incentive Payments for Deferred Payment

Deferred Payment Schedule	Description	Amount
Payment 1	50% of Participant Incentive. The first payment towards the Participant Incentive is calculated based on Electricity Savings in the first quarterly M&V Report.	$84,462.00 (Paid)
Final Payment (Holdback)	The balance payment is the difference between the actual Participant Incentive, calculated on the basis of the first annual M&V Report, and the total payments made to date.	$90,978.00

4.4. Conclusion

The Electricity Savings are 890 MWh and represent 122% of the Anticipated Electricity Savings for the Reporting Period.

One reason for the overperformance is that the pumps take time to shut off even after the 4T equipment has cycled off. This resulted in increased hours of operation, and correspondingly increased Electricity Savings. More significantly, however, pump 473 operated at a lower than anticipated average power, particularly in the second half of the Reporting Period.

4.5. Electricity Savings to Date

The Electricity Savings to date are presented in Table 7.

Table 7. Electricity Savings to Date

Reporting Period	Start and End Dates	Electricity Savings			
		MWh	% of Contract Savings Value [1]	Cost Savings ($)[2]	Incentive Payment ($)
1st Quarterly	Nov. 20, 2018 to Feb. 19, 2019	213	116%	$11,300	$84,462
1st Annual	Nov. 20, 2018 to Nov. 19, 2019	890	122%	$47,300	$90,978

[1] Percent of Anticipated Electricity Savings defined in the M&V Plan.
[2] Based on the Electricity Billing Rate of $53.14/MWh obtained from the Project Review.

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Toronto Hydro-Electric System Limited
EB-2020-0057
Tab 4
Schedule 1
Appendix E
ORIGINAL
(7 pages)

Measurement & Verification Report

1st Annual

September 1, 2018 to August 31, 2019

[redacted]

Deep Lake Cooling Upgrade

Friday, February 21, 2020

PROJECT ID: Toronto-SCP-601461

PREPARED FOR:

Toronto Hydro-Electric System Limited

14 Carlton Street, Toronto ON M5B 1K5

PREPARED BY:

CLEAResult

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Toronto, Ontario M5G 1E6

(416) 504-3400

Prepared per Program Rules version "saveONenergy Process & Systems Upgrades Program, FINAL v1.1 June 8, 2016"

Revision History

Date (MM/DD/YYYY)	Name/Description	Revision	Author
2/21/2020	First Issuance	0	[redacted]

Reviewed by:

Name: [redacted]

Signature: [redacted] Date: 2/21/2020

1. Executive Summary

The Electricity Savings for the 1st Annual Reporting Period of September 1, 2018 to August 31, 2019, are 2,217 MWh, which represents 104% of the Anticipated Electricity Savings.

The Electricity Savings meet the 80% performance threshold required by the Program Rules.

2. Project Overview

2.1. BASELINE ENERGY AND ANTICIPATED ELECTRICITY SAVINGS

The Baseline Energy and the Anticipated Electricity Savings are obtained from the M&V Plan, Rev. 2 dated May 12, 2017, and are presented in Table 1.

Table 1. Baseline Energy and Anticipated Electricity Savings from the M&V Plan

Description	Value	Unit
Baseline Energy	3,626	MWh/year
Anticipated Annual Electricity Savings	2,137	MWh/year

This M&V Report assesses the actual Electricity Savings based on raw data provided by the Participant and the methodology described in the M&V Plan. This is an IPMVP Option B methodology of calculating the Electricity Savings.

This M&V Report calculates the actual Electricity Savings divided by the Anticipated Electricity Savings, to verify whether the Project has achieved the required 80% of the Anticipated Electricity Savings.

2.2. IN-SERVICE DATE AND PREVIOUS REPORTING PERIOD

The In-Service Date is September 1, 2018, which was established on September 27, 2018.

The 1st Quarterly M&V Report covered the period of September 1 to November 30, 2018.

2.3. CURRENT REPORTING PERIOD

The 1st Annual Reporting Period is from September 1, 2018 to August 31, 2019, which represents 365 days (8,760 hours).

3. Reporting Period Energy

[redacted] on behalf of the Participant, provided the raw data to the CMVP for analysis. The raw data includes Enwave cooling and pump electrical consumption data. The hourly energy consumption of [redacted] electrical chillers was provided by [redacted]

Table 2 presents an overview of the data analysis related to the Reporting Period Energy and hours of operation.

Table 2. Reporting Period Hours, Duration, and Hours of Operation

Description	Value	Unit	Comments
Reporting Period Start	September 1, 2018, 00:00		Start date of the Reporting Period.
Reporting Period End	August 31, 2019, 23:59		This is the end date of the Reporting Period
Reporting Period Duration	8,760	hours	End date minus start date
Available Data of Enwave cooling and pump electrical consumption	8,760	hours	
Available Data of [redacted] electrical chillers	8,014	hours	All chillers have 746 hours of missing electricity data, except for Chiller 304A/B which has 6,576 hours of missing data. However, the hourly supplied cooling loads of all chillers are continuously available. Chiller 304A/B operates when there is an extra demand which is not the case for majority of Reporting Period. Therefore, the missing data of this chiller most likely is due chiller shutdown.
Missing Data	746	hours	The missing electricity data of the electrical chillers are replaced with the calculated electrical power obtained from supplied cooling loads. An average conversion factor of 0.589 kW/TR is used to convert the thermal energy to electrical energy. The conversion factor is calculated as per monthly average of electrical chiller consumption divided by the average monthly cooling tons that are provided in the Baseline Period.
Hours of Operation	8,760	hours	100% of the Reporting Period Duration

The Reporting Period Energy is shown is presented in Table 3.

Table 3. Reporting Period Energy

Description	Value	Unit	Comment
Reporting Period Energy	1,224	MWh	Sum of energy of the chiller + chiller pump + chiller fan + EnWave pumps + EnWave chiller
Reporting Period Uncertainty	± 4.3	%	The Uncertainty is mostly due to the accuracy of the meters, along with the use of an average efficiency for the chillers.
Reporting Period Average Demand	139	kW	1,224 MWh / 8,760 hours × 1000
Reporting Period Summer Peak Demand	207	kW	Average hourly electricity demand (kW) during the summer peak period (weekdays, 1pm – 7pm, June 1 – August 31).

4. Electricity Savings

4.1. ADJUSTED BASELINE ENERGY CALCULATION

As defined in the M&V Plan, the Baseline Energy was adjusted to operating conditions of the Reporting Period using outdoor air temperature as the independent variable. The Adjusted Baseline Energy is shown in Table 4.

Table 4. Adjusted Baseline Energy

Description	Value	Unit	Comment
Reporting Period Hours of Operation	8,760	hours	
Adjusted Baseline Energy	3,441	MWh	Using the Baseline Adjustment equation as per the M&V Plan.
Baseline Peak Demand	592	kW	Obtained from the M&V Plan

4.2. RESULTS

The Electricity Savings are calculated according to the following formula:

Electricity Savings = Adjusted Baseline Energy - Reporting Period Energy ± Non-Routine Adjustment

Since there has been no change in the Static Factors as defined in the M&V Plan Section B.5.2, Non-Routine Adjustments are not required for this Reporting Period. The Reporting Period Energy, Adjusted Baseline Energy, and the Electricity Savings are presented in Table 5.

Table 5. Calculation of Electricity Savings

Description	Value	Unit	Comment
Adjusted Baseline Energy	3,441	MWh	From Table 6.
Reporting Period Energy	1,224	MWh	From Table 3.
Non-Routine Adjustment	0	MWh	None.
Electricity Savings	2,217	MWh	
Uncertainty of the Electricity Savings	± 15	%	The Uncertainty is a combination of the accuracy of the Baseline meters, the coefficient of variance for the Baseline data, the baseline adjustment equation and the Reporting Period power meters accuracy.
Anticipated Electricity Savings	2,137	MWh	From Table 1.
Electricity Savings as a Percentage of Anticipated Electricity Savings	104	%	
Summer Peak Demand Savings	384	kW	Baseline Peak Demand – Reporting Period Peak Demand

4.3. CONCLUSION

The 1st Annual Electricity Savings are 2,217 MWh and represent 104% of the Anticipated Electricity Savings.

The main reason for the slight overperformance is a minor change in the cooling demand from [redacted] compared to the Baseline Period.

4.4. NEXT REPORTING PERIOD AND NEXT STEPS

This is the final M&V Report, as the M&V Reporting Period is one year.

4.5. ELECTRICTY SAVINGS TO DATE

The Electricity Savings to date are presented in Table 6.

Table 6. Electricity Savings to Date

Reporting Period	Start and End Dates	Electricity Savings		
		MWh	% of Anticipated Savings Value [1]	Cost Savings ($)[2]
1st Quarterly	Sep. 1 to Nov. 30, 2018	507	136%	$63,400
1st Annual	Sep. 1, 2018 to Aug. 31, 2019	2,217	104%	$277,000

[1] Percent of Anticipated Electricity Savings defined in the M&V Plan

[2] Based on $125/MWh obtained from the Project Review

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1st Annual Report
June 2, 2018 to June 1, 2019

[redacted]

[redacted] Cogeneration System

Project: Toronto-SCP-601491

July 08, 2019

Revision 0

Prepared for:

[redacted]

Toronto Hydro-Electric System Limited (the LDC)

Prepared by:

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Revision History

Date	Name/Description	Revision	Author
July 8, 2019	Y1 M&V Report issuance	0	[redacted]

Approvals

Name	Title	Signature	Date
[redacted]	Engineering Manager	[redacted]	July 5, 2019

1. Executive Summary

The Electricity Savings calculated for the 1st Annual Reporting Period of June 2, 2018 to June 1, 2019 are 466 MWh, which represent 98% of the Anticipated Electricity Savings.

The Electricity Savings meet the 80% performance threshold required by the Program Rules.

2. Project Overview

2.1. Baseline Energy & Anticipated Electricity Savings

The Baseline Energy and the Anticipated Electricity Savings are obtained from the M&V Plan Revision 1 dated May 24, 2017, and are presented in Table 1.

Table 1. Baseline Energy and Anticipated Electricity Savings from the M&V Plan

Description	Value	Unit
Baseline Energy	0	MWh/year
Anticipated Electricity Savings	475	MWh/year

This M&V Report assesses the actual Electricity Savings based on raw data provided and the methodology described in the M&V Plan. This is an IPMVP Option B methodology of calculating the Electricity Savings.

This M&V Report calculates the actual Electricity Savings divided by the Anticipated Electricity Savings, to verify whether the Project has achieved the required 80% of the Anticipated Electricity Savings.

2.2. In-Service Date and Previous Reporting Period

The In-Service Date of June 2, 2018 was established on June 26, 2018.

2.3. Current Reporting Period

The 1st Annual Reporting Period is from June 2, 2018 to June 1, 2019. This Reporting Period represents 365 days (8,760 hours).

3. Reporting Period Energy

3.1. Raw Data

[redacted] the Participant representative, provided the data of combined heat and power (CHP) system to the CMVP for analysis. The submitted metered data includes the hourly net CHP system electricity generation as well as the natural gas consumption.

Table 2 presents an overview of the data analysis related to the Reporting Period Energy, hours of operation and duration of the Reporting Period.

Table 2. Reporting Period Hours, Durations, and Hours of Operations

Parameter	Value	Unit	Comment
Start Date of Reporting Period	June 2, 2018, 00:00	-	
End Date of Reporting Period	June 1, 2019, 23:59	-	
Reporting Period Duration	8,760	Hours	
System Hours of Operation	8,758	Hours	99.98% uptime
Shutdown of CHP System	2	Hours	Two subsequent hours did not have electricity generation and the associated natural gas consumption readings were zero.
Missing Data	0	Hours	Data was provided for every hour of the Reporting Period.

The CHP system was operational for 8,758 hours of the 8,760 hours of the Reporting Period, equivalent to 99.98% uptime.

3.2. Reporting Period Energy

The energy generation of the CHP for this Reporting Period is presented in Table 3.

Table 3. Reporting Period Energy

Description	Value	Unit	Comment
CHP Gross Electricity	Not Available	MWh	Sum of the hourly interval gross energy generated by the CHP system.
Auxiliary Loads	Not Available	MWh	Sum of the hourly interval auxiliary energy consumption by the CHP system.
Reporting Period Energy	466	MWh	CHP Net Electricity Generation.
Uncertainty of the Reporting Period Energy	± 2.0%	-	The uncertainty is due to the accuracy of the electric meters.

4. Electricity Savings

4.1. Results

The Electricity Savings are calculated according to the following formula:

$$\textit{Electricity Savings (MWh)} = \textit{Reporting Period Energy (MWh)} \pm \textit{Non-Routine Adjustments (MWh)}$$

Since there has been no change in the Static Factors as defined in the M&V Plan Section B.5.1, Non-Routine Adjustments are not required for this Reporting Period.

The Reporting Period Energy and Electricity Savings are presented in Table 4.

Table 4. Calculation of Electricity Savings

Parameter	Value	Unit	Comment
Baseline Energy	0	MWh	Baseline Energy is nil, due to no generation in the Baseline Period.
Reporting Period Energy	466	MWh	From Table 3.
Non-Routine Adjustment	0	MWh	None.
Electricity Savings	**466**	**MWh**	Equal to the Reporting Period Energy.
Uncertainty of the Electricity Savings	± 2.0%	-	The uncertainty is due to the accuracy of the electric meters.
Anticipated Electricity Savings	475	MWh	From Table 1.
Electricity Savings as a Percentage of Anticipated Electricity Savings	98%	-	This value meets the 80% performance threshold required by the Program Rules.
Average Demand Savings	53	kW	Electricity Savings divided by Reporting Period duration: 466 *MWh / 8,760 h*
Summer Peak Demand Savings	47	kW	Summer peak demand savings, weekdays, 1pm – 7pm, June 1 – August 31.

4.2. Conclusion

The Electricity Savings are 466 MWh or 98% of the Anticipated Electricity Savings for the Reporting Period. The Electricity Savings meet the performance threshold of the Program.

4.3. Next Steps

This is the final M&V Report, as the M&V Reporting Period is one year in duration and this Project is a Small Capital Project. No additional M&V data will be required.

4.4. Electricity Savings to Date

The Electricity Savings to date are provided in Table 5.

Table 5. Electricity Savings to Date

Reporting Period	Start and End Dates	Electricity Savings		
		MWh	% of Contracted Electricity Saving	Cost Savings ($)[1]
1st Quarterly	June 2 to September 1, 2018	104	87%	$17,100
1st Annual	June 2, 2018 to June 1, 2019	466	98%	$76,900

[1] Based on Electricity Billing Rate of $165/MWh, obtained from the Project Application Review.

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M&V Report

1st Annual M&V Report

February 7, 2019 to February 6, 2020

[redacted] Cogeneration System

Project ID: Toronto-SCP-601583

March 26, 2020

Revision 0

Prepared for:

Toronto Hydro-Electric System Limited (the LDC)

[redacted]

Prepared by:

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Revision History

Date	Description	Revision	Author
March 26, 2020	Initial M&V Report issuance.	0	[redacted]

Approvals

Name	Title	Signature	Date
[redacted]	Energy Engineer	[redacted]	March 26, 2020

1. Executive Summary

The Electricity Savings calculated for the 1st Annual Reporting Period of February 7, 2019, to February 6, 2020, are 1,958 MWh/year, which represents 96% of the Anticipated Electricity Savings.

The Electricity Savings meet the 80% performance threshold of the Program Rules.

The Total System Efficiency achieved for the 1st Annual Reporting Period is 70%, which meets the Program Rules requirement of 65%.

2. Project Overview

2.1. Baseline Energy and Anticipated Electricity Savings

The Baseline Energy and the Anticipated Electricity Savings are obtained from the M&V Plan Rev. 3, dated March 28, 2018, and are presented in Table 1.

This is an electricity generation Project, and therefore the Baseline Energy is 0 MWh/year.

Table 1. Baseline Energy and Anticipated Electricity Savings

Description	Value	Unit
Baseline Energy	0	MWh/year
Anticipated Electricity Savings	2,049	MWh/year

This M&V Report assesses the actual Electricity Savings based on raw data provided by the Participant and the methodology described in the M&V Plan. The M&V Report calculates the actual Electricity Savings divided by the Anticipated Electricity Savings, to verify whether the Project has achieved the required 80% of the Anticipated Electricity Savings.

2.2. In-Service Date and Previous Reporting Periods

The In-Service Date of February 7, 2019, was established on February 27, 2019.

The 1st Quarterly Reporting Period was from February 7, 2019, to May 6, 2019.

2.3. Current Reporting Period

The 1st Annual Reporting Period is from February 7, 2019, to February 6, 2020, which represents 365 days (8,760 hours).

3. Reporting Period Energy

3.1. Results

[redacted] the LDC representative, provided the raw data to the CMVP for analysis. Data was provided on an hourly basis for the duration of the Reporting Period, for net electrical energy generation of each of four microturbines, total fuel consumption, and recovered thermal energy utilized by the Facility.

The IPMVP Option B methodology is used for calculating the Electricity Savings.

Table 2 presents an overview of the data analysis related to the duration of the Reporting Period, equipment hours of operation, and Reporting Period Energy.

Table 2. Reporting Period Hours, Durations and Energy

Description	Value	Unit	Comments
Reporting Period Start	Feb. 7, 2019 0:00		
Reporting Period End	Feb. 6, 2020 23:59		
Reporting Period Duration	8,760	hours	
Available Data	8,759	hours	100% of the Reporting Period Duration.
Missing Data	1	hours	0.01% of the Reporting Period Duration.
Hours of Operation	8,759	hours	100% of the Reporting Period Duration.
Reporting Period Energy	1,958	MWh	Net energy generated by the CHP System.

4. Total System Efficiency

4.1. Results

The Total System Efficiency (TSE) is calculated according to the following equation:

TSE (%) = [CHP Gross Electrical Energy (MWh) + CHP Usable Thermal Output (MWh)] ÷ [Natural Gas Consumption (m^3) × Natural Gas HHV (MWh/m^3)]

The CHP system achieved a Total System Efficiency of 70%, which meets the Program Rules minimum requirement of 65%. The TSE calculation is presented in Table 3.

Table 3. Calculation of Total System Efficiency

Description	Value	Unit	Comments
Gross Electrical Energy	2,186	MWh	Calculated using 6.6 kW of auxiliary loads for each hour of operation, per microturbine.
Utilized Thermal Output	3,273	MWh	
Natural Gas Consumption	7,818	MWh	
Natural Gas HHV	10.722	kWh/m^3	Derived from 0.0386 GJ/m3 value published by Enbridge.
Total System Efficiency	70%		Meets the 65% minimum threshold defined in the Program Rules.

5. Electricity Savings

5.1. Results

The Electricity Savings are calculated according to the following equation:

Electricity Savings = Reporting Period Energy – Baseline Energy ± Non-Routine Adjustments

The Reporting Period Energy and the Electricity Savings are presented in Table 4.

Table 4. Calculation of Electricity Savings

Description	Value	Unit	Comments
Baseline Energy	0	MWh	Obtained from Table 1.
Reporting Period Energy	1,958	MWh	Obtained from Table 2.
Non-Routine Adjustment	0	MWh	None.
Electricity Savings	**1,958**	**MWh**	*Reporting Period Energy - Baseline Energy.*
Uncertainty of the Electricity Savings	± 2.5%		The Uncertainty is primarily due to the accuracy of the power meter readings.
Anticipated Electricity Savings	2,049	MWh	Obtained from Table 1.
Electricity Savings as a Percentage of Anticipated Electricity Savings	**96%**		Meets the 80% performance threshold.
Average Demand Savings	224	kW	Average net power output by the CHP system over the Reporting Period.
Peak Demand Savings	179	kW	Average net power output during the summer peak demand period, defined as Monday to Fridays, 1 pm to 7 pm, June 1 to August 31.

5.2. Conclusion

The Electricity Savings for the 1st Annual Reporting Period are 1,958 MWh which represent 96% of the Anticipated Electricity Savings, which meets the minimum threshold of 80% defined in the Program Rules. The Total System Efficiency is 70%, which meets the minimum threshold of 65% defined in the Program Rules.

The reason for the slight under-performance is the result of a lower average net power output of the CHP system (i.e., 224 kW) compared to what was anticipated as part of the M&V Plan (i.e., 235 kW). This is likely due to slight variations in the Facility electrical and thermal demand, particularly during the summer months.

5.3. Next Reporting Period and Next Steps

This is the final M&V Report, as the M&V Reporting Period is one year.

5.4. Electricity Savings to Date

The Electricity Savings to date are presented in Table 5.

Table 5. Electricity Savings to Date

Reporting Period	Start and End Dates	Electricity Savings		
		MWh	% of Contract Savings[1]	Cost Savings[2]
1st Quarterly	Feb 7, 2019 – May 6, 2019	532	107%	$79,300
1st Annual	Feb 7, 2019 – Feb 6, 2020	1,958	96%	$291,700

[1] Percent of Anticipated Electricity Savings defined in the M&V Plan.

[2] Based on $149/MWh obtained from the Application Review.

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M&V Report

1st Annual M&V Report

July 18, 2018 to July 17, 2019

[redacted]

[redacted] Cogeneration System

Project ID: Toronto-SCP-601586

August 8, 2019

Prepared for:

Toronto Hydro-Electric System Limited (the LDC)

[redacted]

Prepared by:

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Revision History

Date	Name/Description	Revision	Author
August 8, 2019	Initial M&V Report issuance	0	[redacted]

Approvals

Name	Title	Signature	Date
[redacted]	Engineering Manager	[redacted]	August 7, 2019

1. Executive Summary

The Electricity Savings calculated for the 1st Annual Reporting Period of July 18, 2018, to July 17, 2019, are 273 MWh which represent 94% of the Anticipated Electricity Savings.

The Electricity Savings meet the 80% performance threshold of the Program Rules.

2. Project Overview

2.1. Baseline Energy and Anticipated Electricity Savings

The Baseline Energy and the Anticipated Electricity Savings are obtained from the M&V Plan Rev. 0, dated May 11, 2017, and are presented in Table 1.

This is an electricity generation Project, and therefore the Baseline Energy is 0 MWh/year.

Table 1. Baseline Energy and Anticipated Electricity Savings

Description	Value	Unit
Baseline Energy	0	MWh/year
Anticipated Electricity Savings	292	MWh/year

This M&V Report assesses the actual Electricity Savings based on raw data provided by the Participant and the methodology described in the M&V Plan. The M&V Report calculates the actual Electricity Savings divided by the Anticipated Electricity Savings, to verify whether the Project has achieved the required 80% of the Anticipated Electricity Savings.

2.2. In-Service Date

The In-Service Date of July 18, 2018, was established on August 29, 2018. This date was conditional upon receipt of confirmation of the Environmental Activity and Sector Registration (EASR), which was issued on November 2, 2018.

2.3. Previous Reporting Periods

The 1st Quarterly Reporting Period was from July 18 to October 17, 2018, representing 92 days (2,208 hours).

2.4. Current Reporting Period

The 1st Annual Reporting Period is from July 18, 2018, to July 17, 2019, representing 365 days (8,760 hours).

3. Reporting Period Energy

3.1. Results

[redacted], the participant representative, provided the raw data to the CMVP for analysis. Net electrical energy generation and natural gas consumption data was provided on an hourly basis for the duration of the M&V Period.

The IPMVP Option B methodology is used for calculating the Electricity Savings.

Table 2 presents an overview of the data analysis related to the duration of the Reporting Period, equipment hours of operation, and Reporting Period Energy.

Table 2. Reporting Period Hours, Durations and Energy

Description	Value	Unit	Comments
Reporting Period Start	July 18, 2018 0:00		Start date and time of the Reporting Period.
Reporting Period End	July 17, 2019 23:59		End date and time of the Reporting Period.
Reporting Period Duration	8,760	hours	Reporting Period End minus Reporting Period Start.
Available Data	8,760	hours	100% of the Reporting Period Duration.
Missing Data	0	hours	0% of the Reporting Period Duration.
Hours of Operation	8,696	hours	99.3% of the Reporting Period Duration.
Reporting Period Energy	273	MWh	Net energy generated by the CHP System.

4. Electricity Savings

4.1. Results

The Reporting Period Energy and the Electricity Savings are presented in Table 3. The Electricity Savings are calculated according to the following equation:

Electricity Savings = Reporting Period Energy – Baseline Energy ± Non-Routine Adjustments

Table 3. Calculation of Electricity Savings

Description	Value	Unit	Comment
Baseline Energy	0	MWh	Obtained from Table 1.
Reporting Period Energy	273	MWh	Obtained from Table 2.
Non-Routine Adjustment	0	MWh	None.
Electricity Savings	**273**	**MWh**	Reporting Period Energy minus the Baseline Energy.
Uncertainty of the Electricity Savings	± 2.0%		The Uncertainty is primarily due to the accuracy of the power meter readings.
Anticipated Electricity Savings	292	MWh	From the M&V Plan.
Electricity Savings as a Percentage of Anticipated Electricity Savings	**94%**		Meets the 80% performance threshold.
Average Demand Savings	31.2	kW	Electricity Savings divided by duration of the Reporting Period.
Peak Demand Savings	29.5	kW	Peak demand period, June to August, weekdays from 1 pm – 7 pm.

4.2. Conclusion

The Electricity Savings for the 1st Annual Reporting Period are 273 MWh, which represent 94% of the Anticipated Electricity Savings for the Reporting Period. The Electricity Savings meet the 80% performance threshold of the Program Rules.

The reason for the slight under-performance is that net generated power was lower than anticipated. The System ran almost continuously, with a 99.3% uptime that approached the anticipated average 99.7% uptime. However, the Reporting Period average net output power of 31.2 kW was below the anticipated average net output power of 33.6 kW. Lower average output power occurred most consistently during December 2018, as well as during September 2018 and June 2019, as shown in Figure 1.

Figure 1. Reporting Period net generation

4.3. Electricity Savings to Date

The Electricity Savings to date are presented in Table 4.

Table 4. Electricity Savings to Date

Reporting Period	Start and End Dates	Electricity Savings		
		MWh	% of Contract Savings[1]	Cost Savings[2]
1st Quarterly	July 18, 2018 – Oct. 17, 2018	67	94%	$9,700
1st Annual	July 18, 2018 – July 17, 2019	273	94%	$39,300

[1] Percent of Anticipated Electricity Savings defined in the M&V Plan.

[2] Based on $144/MWh obtained from the Project Review.

Bill Impacts

Customer Class: RESIDENTIAL SERVICE

TOU / non-TOU: TOU

Consumption 750 kWh ● May 1 - October 31 ○ November 1 - April 30 (Select this radio button for applications

	Charge Unit	2020 Board-Approved Rate ($)	2020 Board-Approved Volume	2020 Board-Approved Charge ($)	2021 Proposed Rate ($)	2021 Proposed Volume	2021 Proposed Charge ($)	Impact $ Change	Impact % Change
Service Charge	per 30 days	$ 38.34	1	$ 38.34	$ 40.08	1	$ 40.08	$ 1.74	4.5%
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	per 30 days	$ 0.45	1	$ 0.45	$ -	1	$ -	-$ 0.45	
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	per 30 days	$ 0.41	1	$ 0.41	$ -	1	$ -	-$ 0.41	
Rate Rider for Recovery of Monthly Billing Transition Costs - effective until December 31, 2022	per 30 days	$ 0.48	1	$ 0.48	$ 0.48	1	$ 0.48	$ -	0.0%
Rate Rider for Disposition of Stranded Meter Assets - effective until December 31, 2024	per 30 days	$ -	1	$ -	-$ 0.02	1	-$ 0.02	-$ 0.02	
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	per 30 days	-$ 2.13	1	-$ 2.13	-$ 2.13	1	-$ 2.13	$ -	0.0%
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	per 30 days	-$ 0.34	1	-$ 0.34	-$ 0.34	1	-$ 0.34	$ -	0.0%
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	per 30 days	$ -	1	$ -	-$ 0.01	1	-$ 0.01	-$ 0.01	
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	per 30 days	-$ 0.10	1	-$ 0.10	$ -	1	$ -	$ 0.10	
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	per 30 days	-$ 0.20	1	-$ 0.20	$ -	1	$ -	$ 0.20	
Rate Rider for Disposition of Accounts Receivable Credits - effective until December 31, 2024	per 30 days	$ -	1	$ -	-$ 0.10	1	-$ 0.10	-$ 0.10	
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per 30 days	-$ 0.26	1	-$ 0.26	-$ 0.26	1	-$ 0.26	$ -	0.0%
Distribution Volumetric Rate	per kWh		750	$ -		750	$ -	$ -	
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism (LRAMVA) - effective until Dec. 31, 2021	per kWh	$ -	750	$ -	$ 0.00099	750	$ 0.74	$ 0.74	
Sub-Total A (excluding pass through)				**$ 36.65**			**$ 38.44**	**$ 1.79**	**4.9%**
Line Losses on Cost of Power	per kWh	$ 0.1280	22	$ 2.83	$ 0.1280	22	$ 2.83	$ -	0.0%
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	per kWh			$ -	$ 0.00027	750	$ 0.20	$ 0.20	
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021	per kWh	$ 0.00033	750	$ 0.25	$ 0.00033	750	$ 0.25	$ -	0.0%
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kWh			$ -	-$ 0.00009	750	-$ 0.07	-$ 0.07	
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kWh	-$ 0.00002	750	-$ 0.02	-$ 0.00002	750	-$ 0.02	$ -	0.0%
Rate Rider for Disposition of Global Adjustment Account (2021) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh			$ -	$ 0.00239		$ -	$ -	
Rate Rider for Disposition of Global Adjustment Account (2020) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh	-$ 0.00159		$ -	-$ 0.00159		$ -	$ -	
Rate Rider for Smart Metering Entity Charge - effective until Dec. 31, 2022	per 30 days	$ 0.56	1	$ 0.56	$ 0.5600	1	$ 0.56	$ -	0.0%
Sub-Total B - Distribution (includes Sub-Total A)				**$ 40.27**			**$ 42.20**	**$ 1.93**	
Retail Transmission Rate - Network Service Rate	per kWh	$ 0.00906	772	$ 7.00	$ 0.00821	772	$ 6.34	-$ 0.66	-9.4%
Retail Transmission Rate - Line and Transformation Connection Service Rate	per kWh	$ 0.00737	772	$ 5.69	$ 0.00662	772	$ 5.11	-$ 0.58	-10.2%
Sub-Total C - Delivery (including Sub-Total B)				**$ 52.96**			**$ 53.65**	**$ 0.69**	**1.3%**
Wholesale Market Service Rate - not including CBR	per kWh	$ 0.0030	772	$ 2.32	$ 0.0030	772	$ 2.32	$ -	0.0%
Rural and Remote Rate Protection Charge (RRRP)	per kWh	$ 0.0005	772	$ 0.39	$ 0.0005	772	$ 0.39	$ -	0.0%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	per kWh	$ 0.0004	772	$ 0.31	$ 0.0004	772	$ 0.31	$ -	0.0%
Standard Supply Service - Administrative Charge (if applicable)	per 30 days	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.0%
TOU - Off Peak	per kWh	$ 0.1280	480	$ 61.44	$ 0.1280	480	$ 61.44	$ -	0.0%
TOU - Mid Peak	per kWh	$ 0.1280	135	$ 17.28	$ 0.1280	135	$ 17.28	$ -	0.0%
TOU - On Peak	per kWh	$ 0.1280	135	$ 17.28	$ 0.1280	135	$ 17.28	$ -	0.0%
Energy - RPP - Tier 1	per kWh	$ 0.1190	600	$ 71.40	$ 0.1190	600	$ 71.40	$ -	0.0%
Energy - RPP - Tier 2	per kWh	$ 0.1390	150	$ 20.85	$ 0.1390	150	$ 20.85	$ -	0.0%
Non-RPP Retailer Avg. Price	per kWh	$ 0.1368	-	$ -	$ 0.1368	-	$ -	$ -	
Average IESO Wholesale Market Price	per kWh	$ 0.1368	-	$ -	$ 0.1368	-	$ -	$ -	
Total Bill on TOU (before Taxes)				**$ 152.22**			**$ 152.91**	**$ 0.69**	**0.5%**
Ontario Electricity Rebate		-31.8%		-$ 48.41	-31.8%		-$ 48.63	-$ 0.22	0.5%
HST		13%		$ 19.79	13%		$ 19.88	$ 0.09	0.5%
Total Bill on TOU (after Tax & Rebate)				**$ 123.60**			**$ 124.17**	**$ 0.56**	**0.5%**

Loss Factor (%) 2.95% 2.95%

Bill Impacts

Customer Class: RESIDENTIAL SERVICE

TOU / non-TOU: TOU

Consumption 650 kWh ○ May 1 - October 31 ○ November 1 - April 30 (Select this radio button for applications filed after Oct 31)

	Charge Unit	2020 Board-Approved Rate ($)	2020 Board-Approved Volume	2020 Board-Approved Charge ($)	2021 Proposed Rate ($)	2021 Proposed Volume	2021 Proposed Charge ($)	Impact $ Change	Impact % Change
Service Charge	per 30 days	$ 38.34	1	$ 38.34	$ 40.08	1	$ 40.08	$ 1.74	4.5%
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	per 30 days	$ 0.45	1	$ 0.45	$ -	1	$ -	-$ 0.45	
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	per 30 days	$ 0.41	1	$ 0.41	$ -	1	$ -	-$ 0.41	
Rate Rider for Recovery of Monthly Billing Transition Costs - effective until December 31, 2022	per 30 days	$ 0.48	1	$ 0.48	$ 0.48	1	$ 0.48	$ -	0.0%
Rate Rider for Disposition of Stranded Meter Assets - effective until December 31, 2024	per 30 days	$ -	1	$ -	-$ 0.02	1	-$ 0.02	-$ 0.02	
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	per 30 days	-$ 2.13	1	-$ 2.13	-$ 2.13	1	-$ 2.13	$ -	0.0%
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	per 30 days	-$ 0.34	1	-$ 0.34	-$ 0.34	1	-$ 0.34	$ -	0.0%
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	per 30 days	$ -	1	$ -	-$ 0.01	1	-$ 0.01	-$ 0.01	
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	per 30 days	-$ 0.10	1	-$ 0.10	$ -	1	$ -	$ 0.10	
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	per 30 days	-$ 0.20	1	-$ 0.20	$ -	1	$ -	$ 0.20	
Rate Rider for Disposition of Accounts Receivable Credits - effective until December 31, 2024	per 30 days	$ -	1	$ -	-$ 0.10	1	-$ 0.10	-$ 0.10	
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per 30 days	-$ 0.26	1	-$ 0.26	-$ 0.26	1	-$ 0.26	$ -	0.0%
Distribution Volumetric Rate	per kWh		650	$ -		650	$ -	$ -	
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism (LRAMVA) - effective until Dec. 31, 2021	per kWh		650	$ -	$ 0.00099	650	$ 0.64	$ 0.64	
Sub-Total A (excluding pass through)				**$ 36.65**			**$ 38.34**	**$ 1.69**	**4.6%**
Line Losses on Cost of Power	per kWh	$ 0.1280	19	$ 2.45	$ 0.1280	**19**	$ 2.45	$ -	0.0%
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	per kWh			$ -	$ 0.00027	650	$ 0.18	$ 0.18	
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021	per kWh	$ 0.00033	650	$ 0.21	$ 0.00033	650	$ 0.21	$ -	0.0%
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kWh			$ -	-$ 0.00009	650	-$ 0.06	-$ 0.06	
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kWh	-$ 0.00002	650	-$ 0.01	-$ 0.00002	650	-$ 0.01	$ -	0.0%
Rate Rider for Disposition of Global Adjustment Account (2021) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh			$ -	$ 0.00239		$ -	$ -	
Rate Rider for Disposition of Global Adjustment Account (2020) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh	-$ 0.00159		$ -	-$ 0.00159		$ -	$ -	
Rate Rider for Smart Metering Entity Charge - effective until Dec. 31, 2022	per 30 days	$ 0.56	1	$ 0.56	$ 0.56	1	$ 0.56	$ -	0.0%
Sub-Total B - Distribution (includes Sub-Total A)				**$ 39.87**			**$ 41.68**	**$ 1.81**	**4.5%**
Retail Transmission Rate - Network Service Rate	per kWh	$ 0.00906	669	$ 6.06	$ 0.00821	669	$ 5.49	-$ 0.57	-9.4%
Retail Transmission Rate - Line and Transformation Connection Service Rate	per kWh	$ 0.00737	669	$ 4.93	$ 0.00662	669	$ 4.43	-$ 0.50	-10.2%
Sub-Total C - Delivery (including Sub-Total B)				**$ 50.86**			**$ 51.60**	**$ 0.74**	**1.5%**
Wholesale Market Service Rate - not including CBR	per kWh	$ 0.0030	669	$ 2.01	$ 0.0030	669	$ 2.01	$ -	0.0%
Rural and Remote Rate Protection Charge (RRRP)	per kWh	$ 0.0005	669	$ 0.33	$ 0.0005	669	$ 0.33	$ -	0.0%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	per kWh	$ 0.0004	669	$ 0.27	$ 0.0004	669	$ 0.27	$ -	0.0%
Standard Supply Service - Administrative Charge (if applicable)	per 30 days	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.0%
TOU - Off Peak	per kWh	$ 0.1280	416	$ 53.25	$ 0.1280	416	$ 53.25	$ -	0.0%
TOU - Mid Peak	per kWh	$ 0.1280	117	$ 14.98	$ 0.1280	117	$ 14.98	$ -	0.0%
TOU - On Peak	per kWh	$ 0.1280	117	$ 14.98	$ 0.1280	117	$ 14.98	$ -	0.0%
Energy - RPP - Tier 1	per kWh	$ 0.1190	600	$ 71.40	$ 0.1190	600	$ 71.40	$ -	0.0%
Energy - RPP - Tier 2	per kWh	$ 0.1390	150	$ 20.85	$ 0.1390	150	$ 20.85	$ -	0.0%
Non-RPP Retailer Avg. Price	per kWh	$ 0.1368	-	$ -	$ 0.1368	-	$ -	$ -	
Average IESO Wholesale Market Price	per kWh	$ 0.1368	-	$ -	$ 0.1368	-	$ -	$ -	
Total Bill on TOU (before Taxes)				**$ 136.92**			**$ 137.66**	**$ 0.74**	**0.5%**
Ontario Electricity Rebate		-31.8%		-$ 43.54	-31.8%		-$ 43.78	-$ 0.24	0.5%
HST		13%		$ 17.80	13%		$ 17.90	$ 0.10	0.5%
Total Bill on TOU (after Tax & Rebate)				**$ 111.18**			**$ 111.78**	$ 0.60	0.5%

Loss Factor (%) 2.95% 2.95%

Bill Impacts

Customer Class: COMPETITIVE SECTOR MULTI-UNIT RESIDENTIAL SERVICE

TOU / non-TOU: TOU

Consumption 300 kWh ● May 1 - October 31 ○ November 1 - April 30 (Select this radio button for applications filed after Oct 31)

		2020 Board-Approved			2021 Proposed			Impact	
	Charge Unit	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Service Charge	per 30 days	$ 31.46	1	$ 31.46	$ 32.89	1	$ 32.89	$ 1.43	4.5%
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	per 30 days	$ 0.30	1	$ 0.30	$ -	1	$ -	-$ 0.30	
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	per 30 days	$ 0.27	1	$ 0.27	$ -	1	$ -	-$ 0.27	
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	per 30 days	-$ 1.43	1	-$ 1.43	-$ 1.43	1	-$ 1.43	$ -	0.0%
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	per 30 days	-$ 0.23	1	-$ 0.23	-$ 0.23	1	-$ 0.23	$ -	0.0%
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	per 30 days	$ -	1	$ -	-$ 0.01	1	-$ 0.01	-$ 0.01	
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	per 30 days	-$ 0.07	1	-$ 0.07	$ -	1	$ -	$ 0.07	
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	per 30 days	-$ 0.14	1	-$ 0.14	$ -	1	$ -	$ 0.14	
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per 30 days	-$ 0.15	1	-$ 0.15	-$ 0.15	1	-$ 0.15	$ -	0.0%
Distribution Volumetric Rate	per kWh		300	$ -		300	$ -	$ -	
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism (LRAMVA) - effective until Dec. 31, 2021	per kWh		300	$ -	$ 0.00122	300	$ 0.37	$ 0.37	
Sub-Total A (excluding pass through)				**$ 30.01**			**$ 31.44**	**$ 1.43**	**4.8%**
Line Losses on Cost of Power	per kWh	$ 0.12800	9	$ 1.13	$ 0.12800	9	$ 1.13	$ -	0.0%
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	per kWh			$ -	$ 0.00025	300	$ 0.08	$ 0.08	
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021	per kWh	$ 0.00025	300	$ 0.08	$ 0.00025	300	$ 0.08	$ -	0.0%
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kWh			$ -	-$ 0.00009	300	-$ 0.03	-$ 0.03	
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kWh	-$ 0.00002	300	-$ 0.01	-$ 0.00002	300	-$ 0.01	$ -	0.0%
Rate Rider for Disposition of Global Adjustment Account (2021) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh			$ -	$ 0.00239		$ -	$ -	
Rate Rider for Disposition of Global Adjustment Account (2020) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh	-$ 0.00159		$ -	-$ 0.00159		$ -	$ -	
Rate Rider for Smart Metering Entity Charge - effective until Dec. 31, 2022	per 30 days	$ 0.56	1	$ 0.56	$ 0.56	1	$ 0.56	$ -	0.0%
Sub-Total B - Distribution (includes Sub-Total A)				**$ 31.77**			**$ 33.25**	**$ 1.47**	**4.6%**
Retail Transmission Rate - Network Service Rate	per kWh	$ 0.00906	309	$ 2.80	$ 0.00821	309	$ 2.54	-$ 0.26	-9.4%
Retail Transmission Rate - Line and Transformation Connection Service Rate	per kWh	$ 0.00737	309	$ 2.28	$ 0.00662	309	$ 2.04	-$ 0.23	-10.2%
Sub-Total C - Delivery (including Sub-Total B)				**$ 36.85**			**$ 37.83**	**$ 0.98**	**2.7%**
Wholesale Market Service Rate - not including CBR	per kWh	$ 0.0030	309	$ 0.93	$ 0.0030	309	$ 0.93	$ -	0.0%
Rural and Remote Rate Protection Charge (RRRP)	per kWh	$ 0.0005	309	$ 0.15	$ 0.0005	309	$ 0.15	$ -	0.0%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	per kWh	$ 0.0004	309	$ 0.12	$ 0.0004	309	$ 0.12	$ -	0.0%
Standard Supply Service - Administrative Charge (if applicable)	per 30 days	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.0%
TOU - Off Peak	per kWh	$ 0.1280	192	$ 24.58	$ 0.1280	192	$ 24.58	$ -	0.0%
TOU - Mid Peak	per kWh	$ 0.1280	54	$ 6.91	$ 0.1280	54	$ 6.91	$ -	0.0%
TOU - On Peak	per kWh	$ 0.1280	54	$ 6.91	$ 0.1280	54	$ 6.91	$ -	0.0%
Energy - RPP - Tier 1	per kWh	$ 0.1190	300	$ 35.70	$ 0.1190	300	$ 35.70	$ -	0.0%
Energy - RPP - Tier 2	per kWh	$ 0.1390	-	$ -	$ 0.1390	-	$ -	$ -	
Non-RPP Retailer Avg. Price	per kWh	$ 0.1368	-	$ -	$ 0.1368	-	$ -	$ -	
Average IESO Wholesale Market Price	per kWh	$ 0.1368	-	$ -	$ 0.1368	-	$ -	$ -	
Total Bill on TOU (before Taxes)				**$ 76.70**			**$ 77.68**	**$ 0.98**	**1.3%**
Ontario Electricity Rebate		-31.8%		-$ 24.39	-31.8%		-$ 24.70	-$ 0.31	1.3%
HST		13%		$ 9.97	13%		$ 10.10	$ 0.13	1.3%
Total Bill on TOU (after Tax & Rebate)				**$ 62.28**			**$ 63.08**	**$ 0.80**	**1.3%**

Loss Factor (%) 2.95% 2.95%

Bill Impacts

Customer Class: GENERAL SERVICE LESS THAN 50 kW SERVICE

TOU / non-TOU: TOU

Consumption 2,000 kWh ○ May 1 - October 31 ● November 1 - April 30 (Select this radio button for applications filed after Oct 31)

		2020 Board-Approved			2021 Proposed			Impact	
	Charge Unit	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Service Charge	per 30 days	$ 36.98	1	$ 36.98	$ 38.66	1	$ 38.66	$ 1.68	4.5%
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	per kWh	$ 0.00053	2,000	$ 1.06	$ -	2,000	$ -	-$ 1.06	
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	per kWh	$ 0.00048	2,000	$ 0.96	$ -	2,000	$ -	-$ 0.96	
Rate Rider for Recovery of Monthly Billing Transition Costs - effective until December 31, 2022	per kWh	$ 0.00018	2,000	$ 0.36	$ 0.00018	2,000	$ 0.36	$ -	0.0%
Rate Rider for Disposition of Stranded Meter Assets - effective until December 31, 2024	per 30 days	$ -	1	$ -	-$ 0.13	1	-$ 0.13	-$ 0.13	
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	per kWh	-$ 0.00248	2,000	-$ 4.96	-$ 0.00248	2,000	-$ 4.96	$ -	0.0%
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	per kWh	-$ 0.00040	2,000	-$ 0.80	-$ 0.00040	2,000	-$ 0.80	$ -	0.0%
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	per kWh	$ -	2,000	$ -	-$ 0.00002	2,000	-$ 0.04	-$ 0.04	
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	per kWh	-$ 0.00012	2,000	-$ 0.24	$ -	2,000	$ -	$ 0.24	
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	per kWh	-$ 0.00023	2,000	-$ 0.46	$ -	2,000	$ -	$ 0.46	
Rate Rider for Disposition of Accounts Receivable Credits - effective until December 31, 2024	per kWh	$ -	2,000	$ -	-$ 0.00006	2,000	-$ 0.12	-$ 0.12	
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per 30 days	$ 0.11	1	$ 0.11	$ 0.11	1	$ 0.11	$ -	0.0%
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per kWh	$ 0.00010	2,000	$ 0.20	$ 0.00010	2,000	$ 0.20	$ -	0.0%
Distribution Volumetric Rate	per kWh	$ 0.03421	2,000	$ 68.42	$ 0.03576	2,000	$ 71.52	$ 3.10	4.5%
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism (LRAMVA) - effective until Dec. 31, 2021	per kWh		2,000	$ -	$ 0.00185	2,000	$ 3.70	$ 3.70	
Sub-Total A (excluding pass through)				**$ 101.63**			**$ 108.50**	**$ 6.87**	**6.8%**
Line Losses on Cost of Power	per kWh	$ 0.1280	59	$ 7.55	$ 0.1280	**59**	$ 7.55	$ -	0.0%
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	per kWh			$ -	$ 0.00029	2,000	$ 0.58	$ 0.58	
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021	per kWh	$ 0.00038	2,000	$ 0.76	$ 0.00038	2,000	$ 0.76	$ -	0.0%
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kWh			$ -	-$ 0.00009	2,000	-$ 0.18	-$ 0.18	
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kWh	-$ 0.00002	2,000	-$ 0.04	-$ 0.00002	2,000	-$ 0.04	$ -	0.0%
Rate Rider for Disposition of Global Adjustment Account (2021) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh			$ -	$ 0.00239		$ -	$ -	
Rate Rider for Disposition of Global Adjustment Account (2020) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh	-$ 0.00159		$ -	-$ 0.00159		$ -	$ -	
Rate Rider for Smart Metering Entity Charge - effective until Dec. 31, 2022	per 30 days	$ 0.56	1	$ 0.56	$ 0.56	1	$ 0.56	$ -	0.0%
Sub-Total B - Distribution (includes Sub-Total A)				**$ 110.46**			**$ 117.73**	**$ 7.27**	**6.6%**
Retail Transmission Rate - Network Service Rate	per kWh	$ 0.00882	2059	$ 18.16	$ 0.00799	2059	$ 16.45	-$ 1.71	-9.4%
Retail Transmission Rate - Line and Transformation Connection Service Rate	per kWh	$ 0.00659	2059	$ 13.57	$ 0.00592	2059	$ 12.19	-$ 1.38	-10.2%
Sub-Total C - Delivery (including Sub-Total B)				**$ 142.19**			**$ 146.37**	**$ 4.18**	**2.9%**
Wholesale Market Service Charge (WMSC)	per kWh	$ 0.0030	2,059	$ 6.18	$ 0.0030	2,059	$ 6.18	$ -	0.0%
Rural and Remote Rate Protection (RRRP)	per kWh	$ 0.0005	2,059	$ 1.03	$ 0.0005	2,059	$ 1.03	$ -	0.0%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	per kWh	$ 0.0004	2,059	$ 0.82	$ 0.0004	2,059	$ 0.82	$ -	0.0%
Standard Supply Service Charge	per 30 days	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.0%
TOU - Off Peak	per kWh	$ 0.1280	1,280	$ 163.84	$ 0.1280	1,280	$ 163.84	$ -	0.0%
TOU - Mid Peak	per kWh	$ 0.1280	360	$ 46.08	$ 0.1280	360	$ 46.08	$ -	0.0%
TOU - On Peak	per kWh	$ 0.1280	360	$ 46.08	$ 0.1280	360	$ 46.08	$ -	0.0%
Energy - RPP - Tier 1	per kWh	$ 0.1190	600	$ 71.40	$ 0.1190	600	$ 71.40	$ -	0.0%
Energy - RPP - Tier 2	per kWh	$ 0.1390	1,400	$ 194.60	$ 0.1390	1,400	$ 194.60	$ -	0.0%
Non-RPP Retailer Avg. Price	per kWh	$ 0.1368		$ -	$ 0.1368		$ -	$ -	
Average IESO Wholesale Market Price	per kWh	$ 0.1368		$ -	$ 0.1368		$ -	$ -	
Total Bill on TOU (before Taxes)				**$ 406.47**			**$ 410.65**	**$ 4.18**	**1.0%**
Ontario Electricity Rebate		-31.8%		-$ 129.26	-31.8%		-$ 130.59	-$ 1.33	1.0%
HST		13%		$ 52.84	13%		$ 53.38	$ 0.54	1.0%
Total Bill on TOU (after Tax & Rebate)				**$ 330.05**			**$ 333.45**	$ 3.40	1.0%
Total Bill on RPP (before Taxes)				**$ 416.47**			**$ 420.65**	**$ 4.18**	**1.0%**
Ontario Electricity Rebate		-31.8%		-$ 132.44	-31.8%		-$ 133.77	-$ 1.33	1.0%
HST		13%		$ 54.14	13%		$ 54.68	$ 0.54	1.0%
Total Bill on RPP (after Tax & Rebate)				**$ 338.17**			**$ 341.57**	$ 3.40	1.0%
Loss Factor (%)		2.95%			2.95%				

Bill Impacts

Customer Class: GENERAL SERVICE LESS THAN 50 kW SERVICE

TOU / non-TOU: TOU

Consumption 2,800 kWh ○ May 1 - October 31 ○ November 1 - April 30 (Select this radio button for applications filed after Oct 31)

		2020 Board-Approved			2021 Proposed			Impact	
	Charge Unit	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Service Charge	per 30 days	$ 36.98	1	$ 36.98	$ 38.66	1	$ 38.66	$ 1.68	4.5%
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	per kWh	$ 0.00053	2,800	$ 1.48	$ -	2,800	$ -	-$ 1.48	
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	per kWh	$ 0.00048	2,800	$ 1.34	$ -	2,800	$ -	-$ 1.34	
Rate Rider for Recovery of Monthly Billing Transition Costs - effective until December 31, 2022	per kWh	$ 0.00018	2,800	$ 0.50	$ 0.00018	2,800	$ 0.50	$ -	0.0%
Rate Rider for Disposition of Stranded Meter Assets - effective until December 31, 2024	per 30 days	$ -	1	$ -	-$ 0.13	1	-$ 0.13	-$ 0.13	
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	per kWh	-$ 0.00248	2,800	-$ 6.94	-$ 0.00248	2,800	-$ 6.94	$ -	0.0%
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	per kWh	-$ 0.00040	2,800	-$ 1.12	-$ 0.00040	2,800	-$ 1.12	$ -	0.0%
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	per kWh	$ -	2,800	$ -	-$ 0.00002	2,800	-$ 0.06	-$ 0.06	
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	per kWh	-$ 0.00012	2,800	-$ 0.34	$ -	2,800	$ -	$ 0.34	
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	per kWh	-$ 0.00023	2,800	-$ 0.64	$ -	2,800	$ -	$ 0.64	
Rate Rider for Disposition of Accounts Receivable Credits - effective until December 31, 2024	per kWh	$ -	2,800	$ -	-$ 0.00006	2,800	-$ 0.17	-$ 0.17	
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per 30 days	$ 0.11	1	$ 0.11	$ 0.11	1	$ 0.11	$ -	0.0%
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per kWh	$ 0.00010	2,800	$ 0.28	$ 0.00010	2,800	$ 0.28	$ -	0.0%
Distribution Volumetric Rate	per kWh	$ 0.03421	2,800	$ 95.79	$ 0.03576	2,800	$ 100.13	$ 4.34	4.5%
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism (LRAMVA) - effective until Dec. 31, 2021	per kWh		2,800	$ -	$ 0.00185	2,800	$ 5.18	$ 5.18	
Sub-Total A (excluding pass through)				**$ 127.45**			**$ 136.44**	**$ 9.00**	**7.1%**
Line Losses on Cost of Power	per kWh	$ 0.12800	83	$ 10.57	$ 0.12800	83	$ 10.57	$ -	0.0%
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	per kWh				$ 0.00029	2,800	$ 0.81	$ 0.81	
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021	per kWh	$ 0.00038	2,800	$ 1.06	$ 0.00038	2,800	$ 1.06	$ -	0.0%
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kWh				-$ 0.00009	2,800	-$ 0.25	-$ 0.25	
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kWh	-$ 0.00002	2,800	-$ 0.06	-$ 0.00002	2,800	-$ 0.06	$ -	0.0%
Rate Rider for Disposition of Global Adjustment Account (2021) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh				$ 0.00239		$ -	$ -	
Rate Rider for Disposition of Global Adjustment Account (2020) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh	-$ 0.00159		$ -	-$ 0.00159		$ -	$ -	
Rate Rider for Smart Metering Entity Charge - effective until Dec. 31, 2022	per 30 days	$ 0.56	1	$ 0.56	$ 0.56	1	$ 0.56	$ -	0.0%
Sub-Total B - Distribution (includes Sub-Total A)				**$ 139.59**			**$ 149.14**	**$ 9.56**	**6.8%**
Retail Transmission Rate - Network Service Rate	per kWh	$ 0.00882	2,883	$ 25.42	$ 0.00799	2,883	$ 23.03	-$ 2.39	-9.4%
Retail Transmission Rate - Line and Transformation Connection Service Rate	per kWh	$ 0.00659	2,883	$ 19.00	$ 0.00592	2,883	$ 17.06	-$ 1.93	-10.2%
Sub-Total C - Delivery (including Sub-Total B)				**$ 184.01**			**$ 189.24**	**$ 5.23**	**2.8%**
Wholesale Market Service Charge (WMSC)	per kWh	$ 0.0030	2,883	$ 8.65	$ 0.0030	2,883	$ 8.65	$ -	0.0%
Rural and Remote Rate Protection (RRRP)	per kWh	$ 0.0005	2,883	$ 1.44	$ 0.0005	2,883	$ 1.44	$ -	0.0%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	per kWh	$ 0.0004	2,883	$ 1.15	$ 0.0004	2,883	$ 1.15	$ -	0.0%
Standard Supply Service Charge	per 30 days	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.0%
TOU - Off Peak	per kWh	$ 0.1280	1,820	$ 232.96	$ 0.1280	1,820	$ 232.96	$ -	0.0%
TOU - Mid Peak	per kWh	$ 0.1280	476	$ 60.93	$ 0.1280	476	$ 60.93	$ -	0.0%
TOU - On Peak	per kWh	$ 0.1280	504	$ 64.51	$ 0.1280	504	$ 64.51	$ -	0.0%
Energy - RPP - Tier 1	per kWh	$ 0.1190	600	$ 71.40	$ 0.1190	600	$ 71.40	$ -	0.0%
Energy - RPP - Tier 2	per kWh	$ 0.1390	2,200	$ 305.80	$ 0.1390	2,200	$ 305.80	$ -	0.0%
Non-RPP Retailer Avg. Price	per kWh	$ 0.1368		$ -	$ 0.1368		$ -	$ -	
Average IESO Wholesale Market Price	per kWh	$ 0.1368		$ -	$ 0.1368		$ -	$ -	
Total Bill on TOU (before Taxes)				**$ 553.90**			**$ 559.13**	**$ 5.23**	**0.9%**
Ontario Electricity Rebate		-31.8%		-$ 176.14	-31.8%		-$ 177.80	-$ 1.66	0.9%
HST		13%		$ 72.01	13%		$ 72.69	$ 0.68	0.9%
Total Bill on TOU (after Tax & Rebate)				**$ 449.77**			**$ 454.02**	$ 4.25	0.9%
Total Bill on RPP (before Taxes)				$ 572.70			$ 577.93	$ 5.23	0.9%
Ontario Electricity Rebate		-31.8%		-$ 182.12	-31.8%		-$ 183.78	-$ 1.66	0.9%
HST		13%		$ 74.45	13%		$ 75.13	$ 0.68	0.9%
Total Bill on RPP (after Tax & Rebate)				$ 465.03			$ 469.28	$ 4.25	0.9%
Loss Factor (%)		2.95%			2.95%				

Bill Impacts

Customer Class: GENERAL SERVICE 50 TO 999 kW SERVICE

TOU / non-TOU: non-TOU — **SPOT Class B**

	180	kW
	200	kVA
Consumption	79,000	kWh

○ May 1 - October 31 ● November 1 - April 30 (Select this radio button for applications filed after Oct 31)

		2020 Board-Approved			2021 Proposed			Impact	
	Charge Unit	**Rate ($)**	**Volume**	**Charge ($)**	**Rate ($)**	**Volume**	**Charge ($)**	**$ Change**	**% Change**
Service Charge	per 30 days	$ 49.14	1	$ 49.14	$ 51.37	1	$ 51.37	$ 2.23	4.5%
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	per kVA	$ 0.0914	200	$ 18.28	$ -	200	$ -	-$ 18.28	
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	per kVA	$ 0.0827	200	$ 16.54	$ -	200	$ -	-$ 16.54	
Rate Rider for Disposition of Stranded Meter Assets - effective until December 31, 2024	per 30 days	$ -	1	$ -	-$ 0.47	1	-$ 0.47	-$ 0.47	
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	per kVA	-$ 0.4304	200	-$ 86.08	-$ 0.4304	200	-$ 86.08	$ -	0.0%
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	per kVA	-$ 0.0690	200	-$ 13.80	-$ 0.0690	200	-$ 13.80	$ -	0.0%
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	per kVA	$ -	200	$ -	-$ 0.0013	200	-$ 0.26	-$ 0.26	
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	per kVA	-$ 0.0200	200	-$ 4.00	$ -	200	$ -	$ 4.00	
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	per kVA	-$ 0.0407	200	-$ 8.14	$ -	200	$ -	$ 8.14	
Rate Rider for Disposition of Expansion Deposits - effective until December, 2024	per kVA	$ -	200	$ -	-$ 0.0699	200	-$ 13.98	-$ 13.98	
Rate Rider for Disposition of Accounts Receivable Credits - effective until December 31, 2024	per kVA	$ -	200	$ -	-$ 0.0005	200	-$ 0.10	-$ 0.10	
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per 30 days	-$ 0.21000	1	-$ 0.21	-$ 0.21	1	-$ 0.21	$ -	0.0%
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per kVA	-$ 0.0189	200	-$ 3.78	-$ 0.0189	200	-$ 3.78	$ -	0.0%
Distribution Volumetric Rate	per kVA	$ 7.8922	200	$ 1,578.44	$ 8.2497	200	$ 1,649.94	$ 71.50	4.5%
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism (LRAMVA) - effective until Dec. 31, 2021	per kVA		200	$ -	$ 0.6523	200	$ 130.46	$ 130.46	
Sub-Total A (excluding pass through)				**$ 1,546.39**			**$ 1,713.09**	**$ 166.70**	**10.8%**
Line Losses on Cost of Power	per kWh	$ 0.13680	2331	$ 318.81	$ 0.13680	2331	$ 318.81	$ -	0.0%
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	per kVA			$ -	$ 0.0588	200	$ 11.76	$ 11.76	
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021	per kVA	$ 0.2422	200	$ 48.44	$ 0.2422	200	$ 48.44	$ -	0.0%
Rate Rider for Disposition of Deferral/Variance Accounts for Non -Wholesale Market Participants (2021) -effective until Dec 31, 2021	per kVA			$ -	$ 0.0664	200	$ 13.28	$ 13.28	
Rate Rider for Disposition of Deferral/Variance Accounts for Non -Wholesale Market Participants (2020) - effective until Dec 31, 2021	per kVA	-$ 0.0894	200	-$ 17.88	-$ 0.0894	200	-$ 17.88	$ -	0.0%
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kVA			$ -	-$ 0.0347	200	-$ 6.94	-$ 6.94	
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kVA	-$ 0.0067	200	-$ 1.34	-$ 0.0067	200	-$ 1.34	$ -	0.0%
Rate Rider for Disposition of Global Adjustment Account (2021) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh			$ -	$ 0.00239	79,000	$ 188.81	$ 188.81	
Rate Rider for Disposition of Global Adjustment Account (2020) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh	-$ 0.00159	79,000	-$ 125.61	-$ 0.00159	79,000	-$ 125.61	$ -	0.0%
Sub-Total B - Distribution (includes Sub-Total A)				**$ 1,768.81**			**$ 2,142.42**	**$ 373.61**	**21.1%**
Retail Transmission Rate - Network Service Rate	per kW	$ 2.9842	180	$ 537.16	$ 2.7026	180	$ 486.47	-$ 50.69	-9.4%
Retail Transmission Rate - Line and Transformation Connection Service Rate	per kW	$ 2.3822	180	$ 428.80	$ 2.1393	180	$ 385.07	-$ 43.72	-10.2%
Sub-Total C - Delivery (including Sub-Total B)				**$ 2,734.76**			**$ 3,013.96**	**$ 279.20**	**10.2%**
Wholesale Market Service Charge (WMSC)	per kWh	$ 0.0030	81,331	$ 243.99	$ 0.0030	81,331	$ 243.99	$ -	0.0%
Rural and Remote Rate Protection (RRRP)	per kWh	$ 0.0005	81,331	$ 40.67	$ 0.0005	81,331	$ 40.67	$ -	0.0%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	per kWh	$ 0.0004	81,331	$ 32.53	$ 0.0004	81,331	$ 32.53	$ -	0.0%
Standard Supply Service Charge	per 30 days	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.0%
TOU - Off Peak	per kWh	$ 0.1280	50,560	$ 6,471.68	$ 0.1280	50,560	$ 6,471.68	$ -	0.0%
TOU - Mid Peak	per kWh	$ 0.1280	14,220	$ 1,820.16	$ 0.1280	14,220	$ 1,820.16	$ -	0.0%
TOU - On Peak	per kWh	$ 0.1280	14,220	$ 1,820.16	$ 0.1280	14,220	$ 1,820.16	$ -	0.0%
Energy - RPP - Tier 1	per kWh	$ 0.1190	750	$ 89.25	$ 0.1190	750	$ 89.25	$ -	0.0%
Energy - RPP - Tier 2	per kWh	$ 0.1390	78,250	$ 10,876.75	$ 0.1390	78,250	$ 10,876.75	$ -	0.0%
Non-RPP Retailer Avg. Price	per kWh	$ 0.1368	-	$ -	$ 0.1368	-	$ -	$ -	
Average IESO Wholesale Market Price	per kWh	$ 0.1368	79,000	$ 10,807.20	$ 0.1368	79,000	$ 10,807.20	$ -	0.0%
Total Bill on Average IESO Wholesale Market Price (before Taxes)				**$ 13,859.40**			**$ 14,138.60**	**$ 279.20**	**2.0%**
Ontario Electricity Rebate		-31.8%			**-31.8%**			**$ -**	
HST		**13%**		**$ 1,801.72**	**13%**		**$ 1,838.02**	**$ 36.30**	**2.0%**
Total Bill on Average IESO Wholesale Market Price (after Tax and Rebate)				**$ 15,661.13**			**$ 15,976.62**	$ 315.50	2.0%
Total Bill on RPP (before Taxes)				$ 14,018.20			$ 14,297.40	$ 279.20	2.0%
Ontario Electricity Rebate		-31.8%			-31.8%			$ -	
HST		13%		$ 1,822.37	13%		$ 1,858.66	$ 36.30	2.0%
Total Bill on RPP (after Tax and Rebate)				$ 15,840.57			$ 16,156.07	$ 315.50	2.0%

Loss Factor (%) — 2020 Board-Approved: **2.95%** — 2021 Proposed: **2.95%**

Bill Impacts

Customer Class: GENERAL SERVICE 1,000 TO 4,999 kW SERVICE

TOU / non-TOU: non-TOU

SPOT Class A Non-WMP

		1,800	kW
		2,000	kVA
	Consumption	900,000	kWh

O May 1 - October 31

O November 1 - April 30 (Select this radio button for applications filed after Oct 31)

		2020 Board-Approved			2021 Proposed			Impact	
	Charge Unit	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Service Charge	per 30 days	$ 926.00	1	$ 926.00	$ 967.95	1	$ 967.95	$ 41.95	4.5%
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	per kVA	$ 0.0689	2,000	$ 137.80	$ -	2,000	$ -	-$ 137.80	
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	per kVA	$ 0.0624	2,000	$ 124.80	$ -	2,000	$ -	-$ 124.80	
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	per kVA	-$ 0.3244	2,000	-$ 648.80	-$ 0.3244	2,000	-$ 648.80	$ -	0.0%
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	per kVA	-$ 0.0520	2,000	-$ 104.00	-$ 0.0520	2,000	-$ 104.00	$ -	0.0%
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	per kVA	$ -	2,000	$ -	-$ 0.0006	2,000	-$ 1.20	-$ 1.20	
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	per kVA	-$ 0.0151	2,000	-$ 30.20	$ -	2,000	$ -	$ 30.20	
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	per kVA	-$ 0.0307	2,000	-$ 61.40	$ -	2,000	$ -	$ 61.40	
Rate Rider for Disposition of Expansion Deposits - effective until December, 2024	per kVA	$ -	2,000	$ -	-$ 0.0527	2,000	-$ 105.40	-$ 105.40	
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per 30 days	-$ 5.18	1	-$ 5.18	-$ 5.18	1	-$ 5.18	$ -	0.0%
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per kVA	$ 0.0124	2,000	$ 24.80	$ 0.0124	2,000	$ 24.80	$ -	0.0%
Distribution Volumetric Rate	per kVA	$ 6.5219	2,000	$ 13,043.80	$ 6.8173	2,000	$ 13,634.60	$ 590.80	4.5%
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism (LRAMVA) - effective until Dec. 31, 2021	per kVA		2,000	$ -	$ 0.4280	2,000	$ 856.00	$ 856.00	
Sub-Total A (excluding pass through)				**$ 13,407.62**			**$ 14,618.77**	**$ 1,211.15**	**9.0%**
Line Losses on Cost of Power	per kWh	$ 0.13680	26550	$ 3,632.04	$ 0.13680	26550	$ 3,632.04	$ -	0.0%
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	per kVA			$ -	$ 0.0707	2,000	$ 141.40	$ 141.40	
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021	per kVA	$ 0.2757	2,000	$ 551.40	$ 0.2757	2,000	$ 551.40	$ -	0.0%
Rate Rider for Disposition of Deferral/Variance Accounts for Non -Wholesale Market Participants (2021) -effective until Dec 31, 2021	per kVA			$ -	$ 0.0760	2,000	$ 152.00	$ 152.00	
Rate Rider for Disposition of Deferral/Variance Accounts for Non -Wholesale Market Participants (2020) - effective until Dec 31, 2021	per kVA	-$ 0.1020	2,000	-$ 204.00	-$ 0.1020	2,000	-$ 204.00	$ -	0.0%
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kVA			$ -	-$ 0.0352		$ -	$ -	
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kVA	-$ 0.0065		$ -	-$ 0.0065		$ -	$ -	
Rate Rider for Disposition of Global Adjustment Account (2021) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh			$ -	$ 0.00239		$ -	$ -	
Rate Rider for Disposition of Global Adjustment Account (2020) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh	-$ 0.00159		$ -	-$ 0.00159		$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)				**$ 17,387.06**			**$ 18,891.61**	**$ 1,504.55**	**8.7%**
Retail Transmission Rate - Network Service Rate	per kW	$ 2.8833	1,800	$ 5,189.94	$ 2.6113	1,800	$ 4,700.34	-$ 489.60	-9.4%
Retail Transmission Rate - Line and Transformation Connection Service Rate	per kW	$ 2.3797	1,800	$ 4,283.46	$ 2.1371	1,800	$ 3,846.78	-$ 436.68	-10.2%
Sub-Total C - Delivery (including Sub-Total B)				**$ 26,860.46**			**$ 27,438.73**	**$ 578.27**	**2.2%**
Wholesale Market Service Charge (WMSC)	per kWh	$ 0.0030	926,550	$ 2,779.65	$ 0.0030	926,550	$ 2,779.65	$ -	0.0%
Rural and Remote Rate Protection (RRRP)	per kWh	$ 0.0005	926,550	$ 463.28	$ 0.0005	926,550	$ 463.28	$ -	0.0%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	per kWh	$ 0.0004		$ -	$ 0.0004		$ -	$ -	
Standard Supply Service Charge	per 30 days	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.0%
TOU - Off Peak	per kWh	$ 0.1280	576,000	$ 73,728.00	$ 0.1280	576,000	$ 73,728.00	$ -	0.0%
TOU - Mid Peak	per kWh	$ 0.1280	162,000	$ 20,736.00	$ 0.1280	162,000	$ 20,736.00	$ -	0.0%
TOU - On Peak	per kWh	$ 0.1280	162,000	$ 20,736.00	$ 0.1280	162,000	$ 20,736.00	$ -	0.0%
Energy - RPP - Tier 1	per kWh	$ 0.1190	750	$ 89.25	$ 0.1190	750	$ 89.25	$ -	0.0%
Energy - RPP - Tier 2	per kWh	$ 0.1390	899,250	$ 124,995.75	$ 0.1390	899,250	$ 124,995.75	$ -	0.0%
Non-RPP Retailer Avg. Price	per kWh	$ 0.1368	-	$ -	$ 0.1368	-	$ -	$ -	
Average IESO Wholesale Market Price	per kWh	$ 0.1368	900,000	$ 123,120.00	$ 0.1368	900,000	$ 123,120.00	$ -	0.0%
Total Bill on Average IESO Wholesale Market Price (before Taxes)				**$ 153,223.64**			**$ 153,801.91**	**$ 578.27**	**0.4%**
Ontario Electricity Rebate		-31.8%			-31.8%			$ -	
HST		13%		$ 19,919.07	13%		$ 19,994.25	$ 75.18	0.4%
Total Bill on Average IESO Wholesale Market Price (after Tax and Rebate)				**$ 173,142.71**			**$ 173,796.15**	$ 653.45	0.4%
Total Bill on RPP (before Taxes)				$ 155,188.64			$ 155,766.91	$ 578.27	0.4%
Ontario Electricity Rebate		-31.8%			-31.8%			$ -	
HST		13%		$ 20,174.52	13%		$ 20,249.70	$ 75.18	0.4%
Total Bill on RPP (after Tax and Rebate)				$ 175,363.16			$ 176,016.60	$ 653.45	0.4%
Loss Factor (%)		2.95%			2.95%				

Bill Impacts

Customer Class: GENERAL SERVICE 1,000 TO 4,999 kW SERVICE

TOU / non-TOU: non-TOU

SPOT Class B Non-WMP

Consumption		
1,800	kW	
2,000	kVA	● May 1 - October 31
900,000	kWh	

○ November 1 - April 30 (Select this radio button for applications filed after Oct 31)

		2020 Board-Approved			2021 Proposed			Impact	
	Charge Unit	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Service Charge	per 30 days	$ 926.00	1	$ 926.00	$ 967.95	1	$ 967.95	$ 41.95	4.5%
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	per kVA	$ 0.0689	2,000	$ 137.80	$ -	2,000	$ -	-$ 137.80	
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	per kVA	$ 0.0624	2,000	$ 124.80	$ -	2,000	$ -	-$ 124.80	
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	per kVA	-$ 0.3244	2,000	-$ 648.80	-$ 0.3244	2,000	-$ 648.80	$ -	0.0%
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	per kVA	-$ 0.0520	2,000	-$ 104.00	-$ 0.0520	2,000	-$ 104.00	$ -	0.0%
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	per kVA	$ -	2,000	$ -	-$ 0.0006	2,000	-$ 1.20	-$ 1.20	
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	per kVA	-$ 0.0151	2,000	-$ 30.20	$ -	2,000	$ -	$ 30.20	
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	per kVA	-$ 0.0307	2,000	-$ 61.40	$ -	2,000	$ -	$ 61.40	
Rate Rider for Disposition of Expansion Deposits - effective until December, 2024	per kVA	$ -	2,000	$ -	-$ 0.0527	2,000	-$ 105.40	-$ 105.40	
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per 30 days	-$ 5.18	1	-$ 5.18	-$ 5.18	1	-$ 5.18	$ -	0.0%
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per kVA	$ 0.0124	2,000	$ 24.80	$ 0.0124	2,000	$ 24.80	$ -	0.0%
Distribution Volumetric Rate	per kVA	$ 6.5219	2,000	$ 13,043.80	$ 6.8173	2,000	$ 13,634.60	$ 590.80	4.5%
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism (LRAMVA) - effective until Dec. 31, 2021	per kVA		2,000	$ -	$ 0.4280	2,000	$ 856.00	$ 856.00	
Sub-Total A (excluding pass through)				**$ 13,407.62**			**$ 14,618.77**	**$ 1,211.15**	**9.0%**
Line Losses on Cost of Power	per kWh	$ 0.1368	26550	$ 3,632.04	$ 0.1368	26,550	$ 3,632.04	$ -	0.0%
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	per kVA			$ -	$ 0.0707	2,000	$ 141.40	$ 141.40	
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021	per kVA	$ 0.2757	2,000	$ 551.40	$ 0.2757	2,000	$ 551.40	$ -	0.0%
Rate Rider for Disposition of Deferral/Variance Accounts for Non -Wholesale Market Participants (2021) -effective until Dec 31, 2021	per kVA			$ -	$ 0.0760	2,000	$ 152.00	$ 152.00	
Rate Rider for Disposition of Deferral/Variance Accounts for Non -Wholesale Market Participants (2020) - effective until Dec 31, 2021	per kVA	-$ 0.1020	2,000	-$ 204.00	-$ 0.1020	2,000	-$ 204.00	$ -	0.0%
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kVA			$ -	-$ 0.0352	2,000	-$ 70.40	-$ 70.40	
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kVA	-$ 0.0065	2,000	-$ 13.00	-$ 0.0065	2,000	-$ 13.00	$ -	0.0%
Rate Rider for Disposition of Global Adjustment Account (2021) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh			$ -	$ 0.00239	900,000	$ 2,151.00	$ 2,151.00	
Rate Rider for Disposition of Global Adjustment Account (2020) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh	-$ 0.00159	900,000	-$ 1,431.00	-$ 0.00159	900,000	-$ 1,431.00	$ -	0.0%
Sub-Total B - Distribution (includes Sub-Total A)				**$ 15,943.06**			**$ 19,528.21**	**$ 3,585.15**	**22.5%**
Retail Transmission Rate - Network Service Rate	per kW	$ 2.8833	1,800	$ 5,189.94	$ 2.6113	1,800	$ 4,700.34	-$ 489.60	-9.4%
Retail Transmission Rate - Line and Transformation Connection Service Rate	per kW	$ 2.3797	1,800	$ 4,283.46	$ 2.1371	1,800	$ 3,846.78	-$ 436.68	-10.2%
Sub-Total C - Delivery (including Sub-Total B)				**$ 25,416.46**			**$ 28,075.33**	**$ 2,658.87**	**10.5%**
Wholesale Market Service Charge (WMSC)	per kWh	$ 0.0030	926,550	$ 2,779.65	$ 0.0030	926,550	$ 2,779.65	$ -	0.0%
Rural and Remote Rate Protection (RRRP)	per kWh	$ 0.0005	926,550	$ 463.28	$ 0.0005	926,550	$ 463.28	$ -	0.0%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	per kWh	$ 0.0004	926,550	$ 370.62	$ 0.0004	926,550	$ 370.62	$ -	0.0%
Standard Supply Service Charge	per 30 days	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.0%
TOU - Off Peak	per kWh	$ 0.1280	576,000	$ 73,728.00	$ 0.1280	576,000	$ 73,728.00	$ -	0.0%
TOU - Mid Peak	per kWh	$ 0.1280	162,000	$ 20,736.00	$ 0.1280	162,000	$ 20,736.00	$ -	0.0%
TOU - On Peak	per kWh	$ 0.1280	162,000	$ 20,736.00	$ 0.1280	162,000	$ 20,736.00	$ -	0.0%
Energy - RPP - Tier 1	per kWh	$ 0.1190	750	$ 89.25	$ 0.1190	750	$ 89.25	$ -	0.0%
Energy - RPP - Tier 2	per kWh	$ 0.1390	899,250	$ 124,995.75	$ 0.1390	899,250	$ 124,995.75	$ -	0.0%
Non-RPP Retailer Avg. Price	per kWh	$ 0.1368	-	$ -	$ 0.1368	-	$ -	$ -	
Average IESO Wholesale Market Price	per kWh	$ 0.1368	900,000	$ 123,120.00	$ 0.1368	900,000	$ 123,120.00	$ -	0.0%
Total Bill on Average IESO Wholesale Market Price (before Taxes)				**$ 152,150.26**			**$ 154,809.13**	**$ 2,658.87**	**1.7%**
Ontario Electricity Rebate		-31.8%			-31.8%			$ -	
HST		13%		$ 19,779.53	13%		$ 20,125.19	$ 345.65	1.7%
Total Bill on Average IESO Wholesale Market Price (after Tax and Rebate)				**$ 171,929.79**			**$ 174,934.31**	$ 3,004.52	1.7%
Total Bill on RPP (before Taxes)				$ 154,115.26			$ 156,774.13	$ 2,658.87	1.7%
Ontario Electricity Rebate		-31.8%			-31.8%			$ -	
HST		13%		$ 20,034.98	13%		$ 20,380.64	$ 345.65	1.7%
Total Bill on RPP (after Tax and Rebate)				$ 174,150.24			$ 177,154.76	$ 3,004.52	1.7%
Loss Factor (%)		2.95%			2.95%				

Bill Impacts

Customer Class: LARGE USE SERVICE

TOU / non-TOU: non-TOU SPOT A Non-WMP

	8,900	kW
	9,700	kVA
Consumption	4,100,000	kWh

● May 1 - October 31 ○ November 1 - April 30 (Select this radio button for applications filed after Oct 31)

		2020 Board-Approved			2021 Proposed			Impact	
	Charge Unit	**Rate ($)**	**Volume**	**Charge ($)**	**Rate ($)**	**Volume**	**Charge ($)**	**$ Change**	**% Change**
Service Charge	per 30 days	$ 4,099.14	1	$ 4,099.14	$ 4,284.83	1	$ 4,284.83	$ 185.69	4.5%
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	per kVA	$ 0.0813	9,700	$ 788.61	$ -	9,700	$ -	-$ 788.61	
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	per kVA	$ 0.0736	9,700	$ 713.92	$ -	9,700	$ -	-$ 713.92	
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	per kVA	-$ 0.3827	9,700	-$ 3,712.19	-$ 0.3827	9,700	-$ 3,712.19	$ -	0.0%
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	per kVA	-$ 0.0613	9,700	-$ 594.61	-$ 0.0613	9,700	-$ 594.61	$ -	0.0%
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	per kVA	$ -	9,700	$ -	-$ 0.0006	9,700	-$ 5.82	-$ 5.82	
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	per kVA	-$ 0.0178	9,700	-$ 172.66	$ -	9,700	$ -	$ 172.66	
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	per kVA	-$ 0.0362	9,700	-$ 351.14	$ -	9,700	$ -	$ 351.14	
Rate Rider for Disposition of Expansion Deposits - effective until December, 2024	per kVA	$ -	9,700	$ -	-$ 0.0622	9,700	-$ 603.34	-$ 603.34	
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per 30 days	-$ 21.8	1	-$ 21.80	-$ 21.80	1	-$ 21.80	$ -	0.0%
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per kVA	$ 0.0195	9,700	$ 189.15	$ 0.0195	9,700	$ 189.15	$ -	0.0%
Distribution Volumetric Rate	per kVA	$ 7.0665	9,700	$ 68,545.05	$ 7.3866	9,700	$ 71,650.02	$ 3,104.97	4.5%
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism (LRAMVA) - effective until Dec. 31, 2021	per kVA		9,700	$ -	$ 0.66750	9,700	$ 6,474.75	$ 6,474.75	
Sub-Total A (excluding pass through)				**$ 69,483.47**			**$ 77,660.99**	**$ 8,177.52**	**11.8%**
Line Losses on Cost of Power	per kWh	$ 0.1368	70520	$ 9,647.14	$ 0.1368	70,520	$ 9,647.14	$ -	0.0%
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	per kVA			$ -	$ 0.0573	9,700	$ 555.81	$ 555.81	
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021	per kVA	$ 0.2939	9,700	$ 2,850.83	$ 0.2939	9,700	$ 2,850.83	$ -	0.0%
Rate Rider for Disposition of Deferral/Variance Accounts for Non -Wholesale Market Participants (2021) -effective until Dec 31, 2021	per kVA			$ -	$ 0.0782	9,700	$ 758.54	$ 758.54	
Rate Rider for Disposition of Deferral/Variance Accounts for Non -Wholesale Market Participants (2020) - effective until Dec 31, 2021	per kVA	-$ 0.1064	9,700	-$ 1,032.08	-$ 0.1064	9,700	-$ 1,032.08	$ -	0.0%
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kVA			$ -	-$ 0.0252		$ -	$ -	
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kVA	-$ 0.0046		$ -	-$ 0.0046		$ -	$ -	
Rate Rider for Disposition of Global Adjustment Account (2021) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh			$ -	$ 0.00239		$ -	$ -	
Rate Rider for Disposition of Global Adjustment Account (2020) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh	-$ 0.00159		$ -	-$ 0.00159		$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)				**$ 80,949.36**			**$ 90,441.23**	**$ 9,491.87**	**11.7%**
Retail Transmission Rate - Network Service Rate	per kW	$ 3.2868	8,900	$ 29,252.52	$ 2.9767	8,900	$ 26,492.63	-$ 2,759.89	-9.4%
Retail Transmission Rate - Line and Transformation Connection Service Rate	per kW	$ 2.6439	8,900	$ 23,530.71	$ 2.3743	8,900	$ 21,131.27	-$ 2,399.44	-10.2%
Sub-Total C - Delivery (including Sub-Total B)				**$ 133,732.59**			**$ 138,065.13**	**$ 4,332.54**	**3.2%**
Wholesale Market Service Charge (WMSC)	per kWh	$ 0.0030	4,170,520	$ 12,511.56	$ 0.0030	4,170,520	$ 12,511.56	$ -	0.0%
Rural and Remote Rate Protection (RRRP)	per kWh	$ 0.0005	4,170,520	$ 2,085.26	$ 0.0005	4,170,520	$ 2,085.26	$ -	0.0%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	per kWh	$ 0.0004		$ -			$ -	$ -	
Standard Supply Service Charge	per 30 days	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.0%
TOU - Off Peak	per kWh	$ 0.1280	2,624,000	$ 335,872.00	$ 0.1280	2,624,000	$ 335,872.00	$ -	0.0%
TOU - Mid Peak	per kWh	$ 0.1280	738,000	$ 94,464.00	$ 0.1280	738,000	$ 94,464.00	$ -	0.0%
TOU - On Peak	per kWh	$ 0.1280	738,000	$ 94,464.00	$ 0.1280	738,000	$ 94,464.00	$ -	0.0%
Energy - RPP - Tier 1	per kWh	$ 0.1190	750	$ 89.25	$ 0.1190	750	$ 89.25	$ -	0.0%
Energy - RPP - Tier 2	per kWh	$ 0.1390	4,099,250	$ 569,795.75	$ 0.1390	4,099,250	$ 569,795.75	$ -	0.0%
Non-RPP Retailer Avg. Price	per kWh	$ 0.1368	-	$ -	$ 0.1368	-	$ -	$ -	
Average IESO Wholesale Market Price	per kWh	$ 0.1368	4,100,000	$ 560,880.00	$ 0.1368	4,100,000	$ 560,880.00	$ -	0.0%
Total Bill on Average IESO Wholesale Market Price (before Taxes)				**$ 709,209.66**			**$ 713,542.20**	**$ 4,332.54**	**0.6%**
Ontario Electricity Rebate		-31.8%			-31.8%			$ -	
HST		13%		$ 92,197.26	13%		$ 92,760.49	$ 563.23	0.6%
Total Bill on Average IESO Wholesale Market Price (after Tax and Rebate)				**$ 801,406.91**			**$ 806,302.68**	**$ 4,895.77**	0.6%
Total Bill on RPP (before Taxes)				$ 718,214.66			$ 722,547.20	$ 4,332.54	0.6%
Ontario Electricity Rebate		-31.8%			-31.8%			$ -	
HST		13%		$ 93,367.91	13%		$ 93,931.14	$ 563.23	0.6%
Total Bill on RPP (after Tax and Rebate)				$ 811,582.56			$ 816,478.33	$ 4,895.77	0.6%

Loss Factor (%) 1.72% 1.72%

Bill Impacts

Customer Class: STREET LIGHTING SERVICE

SPOT CLASS B

TOU / non-TOU: non-TOU

	16,000	Devices
	2,700	kW
	2,700	kVA
Consumption	955,000	kWh

○ May 1 - October 31 ● November 1 - April 30 (Select this radio button for applications filed after Oct 31)

		2020 Board-Approved			2021 Proposed			Impact	
	Charge Unit	**Rate ($)**	**Volume**	**Charge ($)**	**Rate ($)**	**Volume**	**Charge ($)**	**$ Change**	**% Change**
Service Charge (per device)	per device per 30 days	$ 1.56	16000	$ 24,960.00	$ 1.63	16000	$ 26,080.00	$ 1,120.00	4.5%
Distribution Volumetric Rate	per kVA	$ 34.7952	2,700	$ 93,947.04	$ 36.3714	2,700	$ 98,202.78	$ 4,255.74	4.5%
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	per kVA	$ 0.5117	2,700	$ 1,381.59	$ -	2,700	$ -	-$ 1,381.59	
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	per kVA	$ 0.4632	2,700	$ 1,250.64	$ -	2,700	$ -	-$ 1,250.64	
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	per kVA	-$ 2.4094	2,700	-$ 6,505.38	-$ 2.4094	2,700	-$ 6,505.38	$ -	0.0%
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	per kVA	-$ 0.3860	2,700	-$ 1,042.20	-$ 0.3860	2,700	-$ 1,042.20	$ -	0.0%
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	per kVA	$ -	2,700	$ -	-$ 0.0120	2,700	-$ 32.40	-$ 32.40	
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	per kVA	-$ 0.1120	2,700	-$ 302.40	$ -	2,700	$ -	$ 302.40	
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	per kVA	-$ 0.2281	2,700	-$ 615.87	$ -	2,700	$ -	$ 615.87	
Rate Rider for Disposition of Expansion Deposits - effective until December, 2024	per kVA	$ -	2,700	$ -	-$ 0.3914	2,700	-$ 1,056.78	-$ 1,056.78	
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per 30 days	$ -	16000	$ -	$ -	16,000	$ -	$ -	
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per kVA	-$ 0.0879	2,700	-$ 237.33	-$ 0.0879	2,700	-$ 237.33	$ -	0.0%
Sub-Total A (excluding pass through)				**$ 112,836.09**			**$ 115,408.69**	**$ 2,572.60**	**2.3%**
Line Losses on Cost of Power	per kWh	$ 0.1368	28,173	$ 3,854.00	$ 0.1368	28,173	$ 3,854.00	$ -	0.0%
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	per kVA			$ -	$ 0.1156	2,700	$ 312.12	$ 312.12	
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021	per kVA	$ 0.1402	2,700	$ 378.54	$ 0.1402	2,700	$ 378.54	$ -	0.0%
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kVA			$ -	-$ 0.0305	2,700	-$ 82.35	-$ 82.35	
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kVA	-$ 0.0062	2,700	-$ 16.74	-$ 0.0062	2,700	-$ 16.74	$ -	0.0%
Rate Rider for Disposition of Global Adjustment Account (2021) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh			$ -	$ 0.00239	955,000	$ 2,282.45	$ 2,282.45	
Rate Rider for Disposition of Global Adjustment Account (2020) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh	-$ 0.00159	955,000	-$ 1,518.45	-$ 0.00159	955,000	-$ 1,518.45	$ -	0.0%
Sub-Total B - Distribution (includes Sub-Total A)				**$ 115,533.44**			**$ 120,618.26**	**$ 5,084.82**	**4.4%**
Retail Transmission Rate - Network Service Rate	per kW	$ 2.6543	2,700	$ 7,166.61	$ 2.4039	2,700	$ 6,490.53	-$ 676.08	-9.4%
Retail Transmission Rate - Line and Transformation Connection Service Rate	per kW	$ 2.8403	2,700	$ 7,668.81	$ 2.5507	2,700	$ 6,886.89	-$ 781.92	-10.2%
Sub-Total C - Delivery (including Sub-Total B)				**$ 130,368.86**			**$ 133,995.68**	**$ 3,626.82**	**2.8%**
Wholesale Market Service Charge (WMSC)	per kWh	$ 0.0030	983,173	$ 2,949.52	$ 0.0030	983,173	$ 2,949.52	$ -	0.0%
Rural and Remote Rate Protection (RRRP)	per kWh	$ 0.0005	983,173	$ 491.59	$ 0.0005	983,173	$ 491.59	$ -	0.0%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	per kWh	$ 0.0004	983,173	$ 393.27	$ 0.0004	983,173	$ 393.27	$ -	0.0%
Standard Supply Service Charge	per 30 days	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.0%
TOU - Off Peak	per kWh	$ 0.1280	611,200	$ 78,233.60	$ 0.1280	611,200	$ 78,233.60	$ -	0.0%
TOU - Mid Peak	per kWh	$ 0.1280	171,900	$ 22,003.20	$ 0.1280	171,900	$ 22,003.20	$ -	0.0%
TOU - On Peak	per kWh	$ 0.1280	171,900	$ 22,003.20	$ 0.1280	171,900	$ 22,003.20	$ -	0.0%
Energy - RPP - Tier 1	per kWh	$ 0.1190	750	$ 89.25	$ 0.1190	750	$ 89.25	$ -	0.0%
Energy - RPP - Tier 2	per kWh	$ 0.1390	954,250	$ 132,640.75	$ 0.1390	954,250	$ 132,640.75	$ -	0.0%
Non-RPP Retailer Avg. Price	per kWh	$ 0.1368	-	$ -	$ 0.1368	-	$ -	$ -	
Average IESO Wholesale Market Price	per kWh	$ 0.1368	955,000	$ 130,644.00	$ 0.1368	955,000	$ 130,644.00	$ -	0.0%
Total Bill on Average IESO Wholesale Market Price (before Taxes)				**$ 264,847.48**			**$ 268,474.30**	**$ 3,626.82**	**1.4%**
Ontario Electricity Rebate		-31.8%			-31.8%			$ -	
HST		13%		$ 34,430.17	13%		$ 34,901.66	$ 471.49	1.4%
Total Bill on Average IESO Wholesale Market Price (after Tax and Rebate)				**$ 299,277.65**			**$ 303,375.96**	**$ 4,098.31**	1.4%
Total Bill on RPP (before Taxes)				$ 266,933.48			$ 270,560.30	$ 3,626.82	1.4%
Ontario Electricity Rebate		-31.8%			-31.8%			$ -	
HST		13%		$ 34,701.35	13%		$ 35,172.84	$ 471.49	1.4%
Total Bill on RPP (after Tax and Rebate)				$ 301,634.83			$ 305,733.14	$ 4,098.31	1.4%

Loss Factor (%) 2.95% 2.95%

Bill Impacts

Customer Class: UNMETERED SCATTERED LOAD SERVICE

TOU / non-TOU: non-TOU

RPP

	1	Connection
Consumption	285	kWh

○ May 1 - October 31 ● November 1 - April 30 (Select this radio button for applications filed after Oct 31)

		2020 Board-Approved			2021 Proposed			Impact	
	Charge Unit	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Service Charge	per 30 days	$ 6.06	1	$ 6.06	$ 6.33	1	$ 6.33	$ 0.27	4.5%
Connection Charge (per connection)	per connection per 30 days	$ 0.63	1	$ 0.63	$ 0.66	1	$ 0.66	$ 0.03	4.8%
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	per kWh	$ 0.00107	285	$ 0.30	$ -	285	$ -	-$ 0.30	
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	per kWh	$ 0.00097	285	$ 0.28	$ -	285	$ -	-$ 0.28	
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	per kWh	-$ 0.00505	285	-$ 1.44	-$ 0.00505	285	-$ 1.44	$ -	0.0%
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	per kWh	-$ 0.00081	285	-$ 0.23	-$ 0.00081	285	-$ 0.23	$ -	0.0%
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	per kWh	$ -	285	$ -	-$ 0.00003	285	-$ 0.01	-$ 0.01	
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	per kWh	-$ 0.00024	285	-$ 0.07	$ -	285	$ -	$ 0.07	
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	per kWh	-$ 0.00048	285	-$ 0.14	$ -	285	$ -	$ 0.14	
Rate Rider for Disposition of Expansion Deposits - effective until December, 2024	per kWh	$ -	285	$ -	-$ 0.00082	285	-$ 0.23	-$ 0.23	
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per 30 days	-$ 0.10	1	-$ 0.10	-$ 0.10	1	-$ 0.10	$ -	0.0%
Rate Rider for Recovery of 2020 Foregone Revenue (per connection) - effective until December 31, 2021	per connection per 30 days	-$ 0.01	1	-$ 0.01	-$ 0.01	1	-$ 0.01	$ -	0.0%
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	per kWh	-$ 0.00121	285	-$ 0.34	-$ 0.00121	285	-$ 0.34	$ -	0.0%
Distribution Volumetric Rate	per kWh	$ 0.07618	285	$ 21.71	$ 0.07963	285	$ 22.69	$ 0.98	4.5%
Sub-Total A (excluding pass through)				**$ 26.65**			**$ 27.32**	**$ 0.66**	**2.5%**
Line Losses on Cost of Power	per kWh	$ 0.11900	8	$ 1.00	$ 0.11900	8	$ 1.00	$ -	0.0%
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	per kWh			$ -	$ 0.00027	285	$ 0.08	$ 0.08	
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021	per kWh	$ 0.00040	285	$ 0.11	$ 0.00040	285	$ 0.11	$ -	0.0%
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kWh			$ -	-$ 0.00009	285	-$ 0.03	-$ 0.03	
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - Applicable only for Class B Customers - effective until Dec 31, 2021	per kWh	-$ 0.00002	285	-$ 0.01	-$ 0.00002	285	-$ 0.01	$ -	0.0%
Rate Rider for Disposition of Global Adjustment Account (2021) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh				$ 0.00239	-	$ -	$ -	
Rate Rider for Disposition of Global Adjustment Account (2020) - Applicable only for Non-RPP Customers - effective until Dec 31, 2021	per kWh	-$ 0.00159		$ -	-$ 0.00159	-	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)				**$ 27.76**			**$ 28.48**	**$ 0.72**	**2.6%**
RTSR - Network	per kWh	$ 0.00549	293	$ 1.61	$ 0.00497	293	$ 1.46	-$ 0.15	-9.5%
RTSR - Line and Transformation Connection	per kWh	$ 0.00465	293	$ 1.36	$ 0.00418	293	$ 1.23	-$ 0.14	-10.1%
Sub-Total C - Delivery (including Sub-Total B)				**$ 30.74**			**$ 31.16**	**$ 0.43**	**1.4%**
Wholesale Market Service Charge (WMSC)	per kWh	$ 0.0030	293	$ 0.88	$ 0.0030	293	$ 0.88	$ -	0.0%
Rural and Remote Rate Protection (RRRP)	per kWh	$ 0.0005	293	$ 0.15	$ 0.0005	293	$ 0.15	$ -	0.0%
Capacity Based Recovery (CBR) - Applicable for Class B Customers	per kWh	$ 0.0004	293	$ 0.12	$ 0.0004	293	$ 0.12	$ -	0.0%
Standard Supply Service Charge	per 30 days	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.0%
TOU - Off Peak	per kWh	$ 0.1280	185	$ 23.71	$ 0.1280	185	$ 23.71	$ -	0.0%
TOU - Mid Peak	per kWh	$ 0.1280	48	$ 6.20	$ 0.1280	48	$ 6.20	$ -	0.0%
TOU - On Peak	per kWh	$ 0.1280	51	$ 6.57	$ 0.1280	51	$ 6.57	$ -	0.0%
Energy - RPP - Tier 1	per kWh	$ 0.1190	285	$ 33.92	$ 0.1190	285	$ 33.92	$ -	0.0%
Energy - RPP - Tier 2	per kWh	$ 0.1390	-	$ -	$ 0.1390	-	$ -	$ -	
Non-RPP Retailer Avg. Price	per kWh	$ 0.1368	-	$ -	$ 0.1368	-	$ -	$ -	
Average IESO Wholesale Market Price	per kWh	$ 0.1368	-	$ -	$ 0.1368	-	$ -	$ -	
Total Bill on RPP (before Taxes)				**$ 66.05**			**$ 66.47**	**$ 0.43**	**0.6%**
Ontario Electricity Rebate		-31.8%		-$ 21.00	-31.80%		-$ 21.14	-$ 0.14	0.6%
HST		13%		$ 8.59	13%		$ 8.64	$ 0.06	0.6%
Total Bill on RPP (after Tax and Rebate)				**$ 53.63**			**$ 53.97**	$ 0.35	0.6%

Loss Factor (%)	2.95%	2.95%

Toronto Hydro-Electric System Limited
EB-2020-0057
Tab 6
Schedule 1
ORIGINAL
(11 pages)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective Date January 1, 2020

Implementation Date March 1, 2020

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

EB-2018-0165

RESIDENTIAL SERVICE CLASSIFICATION

This classification is applicable to an account where electricity is used exclusively for residential purposes in a separately metered living accommodation, where the Competitive Sector Multi-Unit Residential classification is not applicable. Eligibility is restricted to a dwelling unit that consists of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex building, with a residential zoning; a separately metered dwelling within a town house complex or apartment building; and bulk metered residential buildings with six or fewer units. Class B consumers are defined in accordance with O. Reg. 429/04. Further details concerning the terms of service 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	38.34	(per 30 days)
Rate Rider for Smart Metering Entity Charge - effective until December 31, 2022	$	0.56	(per 30 days)
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	$	0.45	(per 30 days)
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	$	0.41	(per 30 days)
Rate Rider for Recovery of Monthly Billing Transition Costs - effective until December 31, 2022	$	0.48	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	$	(2.13)	(per 30 days)
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	$	(0.34)	(per 30 days)
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	$	(0.10)	(per 30 days)
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	$	(0.20)	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$	(0.26)	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021 - Approved on an Interim Basis	$/kWh	0.00033	
Rate Rider for Disposition of Capacity Based Recovery Account - effective until December 31, 2021 (Applicable only for Class B Customers) - Approved on an Interim Basis	$/kWh	(0.00002)	
Rate Rider for Disposition of Global Adjustment Account - effective until December 31, 2021 (Applicable only for Non-RPP Customers) - Approved on an Interim Basis	$/kWh	(0.00159)	
Retail Transmission Rate - Network Service Rate	$/kWh	0.00906	
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00737	

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	
Standard Supply Service - Administrative Charge (if applicable)	$	0.25	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective Date January 1, 2020

Implementation Date March 1, 2020

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

EB-2018-0165

COMPETITIVE SECTOR MULTI-UNIT RESIDENTIAL SERVICE CLASSIFICATION

This classification is applicable to an account where electricity is used exclusively for residential purposes in a multi- unit residential building, where unit metering is provided using technology that is substantially similar to that employed by competitive sector sub-metering providers. Use of electricity in non-residential units of multi-unit buildings does not qualify for this classification and will instead be subject to the applicable commercial classification. Class B consumers are defined in accordance with O. Reg. 429/04. Further details concerning the terms of service 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	31.46	(per 30 days)
Rate Rider for Smart Metering Entity Charge - effective until December 31, 2022	$	0.56	(per 30 days)
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	$	0.30	(per 30 days)
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	$	0.27	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	$	(1.43)	(per 30 days)
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	$	(0.23)	(per 30 days)
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	$	(0.07)	(per 30 days)
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	$	(0.14)	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$	(0.15)	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021 - Approved on an Interim Basis	$/kWh	0.00025	
Rate Rider for Disposition of Capacity Based Recovery Account - effective until December 31, 2021 (Applicable only for Class B Customers) - Approved on an Interim Basis	$/kWh	(0.00002)	
Rate Rider for Disposition of Global Adjustment Account - effective until December 31, 2021 (Applicable only for Non-RPP Customers) - Approved on an Interim Basis	$/kWh	(0.00159)	
Retail Transmission Rate - Network Service Rate	$/kWh	0.00906	
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00737	

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	
Standard Supply Service - Administrative Charge (if applicable)	$	0.25	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective Date January 1, 2020

Implementation Date March 1, 2020

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

EB-2018-0165

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is less than, or is forecast to be 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	36.98	(per 30 days)
Rate Rider for Smart Metering Entity Charge - effective until December 31, 2022	$	0.56	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$	0.11	(per 30 days)
Distribution Volumetric Rate	$/kWh	0.03421	
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	$/kWh	0.00053	
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	$/kWh	0.00048	
Rate Rider for Recovery of Monthly Billing Transition Costs - effective until December 31, 2022	$/kWh	0.00018	
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	$/kWh	(0.00248)	
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	$/kWh	(0.00040)	
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	$/kWh	(0.00012)	
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	$/kWh	(0.00023)	
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$/kWh	0.00010	
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021 - Approved on an Interim Basis	$/kWh	0.00038	
Rate Rider for Disposition of Capacity Based Recovery Account - effective until December 31, 2021 (Applicable only for Class B Customers) - Approved on an Interim Basis	$/kWh	(0.00002)	
Rate Rider for Disposition of Global Adjustment Account - effective until December 31, 2021 (Applicable only for Non-RPP Customers) - Approved on an Interim Basis	$/kWh	(0.00159)	
Retail Transmission Rate - Network Service Rate	$/kWh	0.00882	
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00659	

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	
Standard Supply Service - Administrative Charge (if applicable)	$	0.25	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective Date January 1, 2020

Implementation Date March 1, 2020

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

EB-2018-0165

GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than 50 kW but less than 1,000 kW, or is forecast to be equal to or greater than 50 kW but less than 1,000 kW. This rate also applies to bulk metered residential apartment buildings or the house service of a residential apartment building with more than 6 units. 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.

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.

The rate rider for the disposition of Post 2011 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	49.14	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$	(0.21)	(per 30 days)
Distribution Volumetric Rate	$/kVA	7.8922	(per 30 days)
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	$/kVA	0.0914	(per 30 days)
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	$/kVA	0.0827	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	$/kVA	(0.4304)	(per 30 days)
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	$/kVA	(0.0690)	(per 30 days)
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	$/kVA	(0.0200)	(per 30 days)
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	$/kVA	(0.0407)	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$/kVA	(0.0189)	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021 (Applicable only for Non-Wholesale Market Participants) - Approved on an Interim Basis	$/kVA	(0.0894)	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021 - Approved on an Interim Basis	$/kVA	0.2422	(per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Account - effective until December 31, 2021 (Applicable only for Class B Customers) - Approved on an Interim Basis	$/kVA	(0.0067)	(per 30 days)
Rate Rider for Disposition of Global Adjustment Account - effective until December 31, 2021 (Applicable only for Non-RPP Customers) - Approved on an Interim Basis	$/kWh	(0.00159)	
Retail Transmission Rate - Network Service Rate	$/kW	2.9842	(per 30 days)
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3822	(per 30 days)

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	
Standard Supply Service - Administrative Charge (if applicable)	$	0.25	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective Date January 1, 2020

Implementation Date March 1, 2020

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

EB-2018-0165

GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than 1,000 kW but less than 5,000 kW, or is forecast to be equal to or greater than 1,000 kW but less than 5,000 kW. This rate also applies to bulk metered residential apartment buildings or the house service of a residential apartment building with more than 6 units. 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.

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.

The rate rider for the disposition of Post 2011 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	926.00	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$	(5.18)	(per 30 days)
Distribution Volumetric Rate	$/kVA	6.5219	(per 30 days)
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	$/kVA	0.0689	(per 30 days)
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	$/kVA	0.0624	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	$/kVA	(0.3244)	(per 30 days)
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	$/kVA	(0.0520)	(per 30 days)
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	$/kVA	(0.0151)	(per 30 days)
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	$/kVA	(0.0307)	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$/kVA	0.0124	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021 (Applicable only for Non-Wholesale Market Participants) - Approved on an Interim Basis	$/kVA	(0.1020)	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021 - Approved on an Interim Basis	$/kVA	0.2757	(per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Account - effective until December 31, 2021 (Applicable only for Class B Customers) - Approved on an Interim Basis	$/kVA	(0.0065)	(per 30 days)
Rate Rider for Disposition of Global Adjustment Account - effective until December 31, 2021 (Applicable only for Non-RPP Customers) - Approved on an Interim Basis	$/kWh	(0.00159)	
Retail Transmission Rate - Network Service Rate	$/kW	2.8833	(per 30 days)
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3797	(per 30 days)

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	
Standard Supply Service - Administrative Charge (if applicable)	$	0.25	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective Date January 1, 2020

Implementation Date March 1, 2020

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

EB-2018-0165

LARGE USE SERVICE CLASSIFICATION

This classification applies to an account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. 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.

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.

The rate rider for the disposition of Post 2011 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	4,099.14	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$	(21.80)	(per 30 days)
Distribution Volumetric Rate	$/kVA	7.0665	(per 30 days)
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	$/kVA	0.0813	(per 30 days)
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	$/kVA	0.0736	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	$/kVA	(0.3827)	(per 30 days)
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	$/kVA	(0.0613)	(per 30 days)
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	$/kVA	(0.0178)	(per 30 days)
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	$/kVA	(0.0362)	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$/kVA	0.0195	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021 (Applicable only for Non-Wholesale Market Participants) - Approved on an Interim Basis	$/kVA	(0.1064)	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021 - Approved on an Interim Basis	$/kVA	0.2939	(per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Account - effective until December 31, 2021 (Applicable only for Class B Customers) - Approved on an Interim Basis	$/kVA	(0.0046)	(per 30 days)
Rate Rider for Disposition of Global Adjustment Account - effective until December 31, 2021 (Applicable only for Non-RPP Customers) - Approved on an Interim Basis	$/kWh	(0.00159)	
Retail Transmission Rate - Network Service Rate	$/kW	3.2868	(per 30 days)
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.6439	(per 30 days)

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	
Standard Supply Service - Administrative Charge (if applicable)	$	0.25	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective Date January 1, 2020

Implementation Date March 1, 2020

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

EB-2018-0165

STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation and requires THESL to provide back- up service. 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component - 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).

Service Charge	$	239.74	(per 30 days)
Distribution Volumetric Rate			
For General Service 50 - 999 kW Service Classification	$/kVA	7.8922	(per 30 days)
For General Service 1,000 - 4,999 kW Service Classification	$/kVA	6.5219	(per 30 days)
For Large Use Service Classification	$/kVA	7.0665	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective Date January 1, 2020

Implementation Date March 1, 2020

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

EB-2018-0165

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand at each location is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by THESL and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	6.06	(per 30 days)
Connection Charge (per connection)	$	0.63	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$	(0.10)	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue (per connection) - effective until December 31, 2021	$	(0.01)	(per 30 days)
Distribution Volumetric Rate	$/kWh	0.07618	
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	$/kWh	0.00107	
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	$/kWh	0.00097	
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	$/kWh	(0.00505)	
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	$/kWh	(0.00081)	
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	$/kWh	(0.00024)	
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	$/kWh	(0.00048)	
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$/kWh	(0.00121)	
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021 - Approved on an Interim Basis	$/kWh	0.00040	
Rate Rider for Disposition of Capacity Based Recovery Account - effective until December 31, 2021 (Applicable only for Class B Customers) - Approved on an Interim Basis	$/kWh	(0.00002)	
Rate Rider for Disposition of Global Adjustment Account - effective until December 31, 2021 (Applicable only for Non-RPP Customers) - Approved on an Interim Basis	$/kWh	(0.00159)	
Retail Transmission Rate - Network Service Rate	$/kWh	0.00549	
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00465	

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	
Standard Supply Service - Administrative Charge (if applicable)	$	0.25	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective Date January 1, 2020

Implementation Date March 1, 2020

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

EB-2018-0165

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved OEB street lighting load shape template. 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per device)	$	1.56	(per 30 days)
Distribution Volumetric Rate	$/kVA	34.7952	(per 30 days)
Rate Rider for Disposition of Other Post Employment Benefit Variance - effective until December 31, 2020	$/kVA	0.5117	(per 30 days)
Rate Rider for Disposition of the Impact for USGAAP - effective until December 31, 2020	$/kVA	0.4632	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	$/kVA	(2.4094)	(per 30 days)
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	$/kVA	(0.3860)	(per 30 days)
Rate Rider for Disposition of IFRS - CGAPP Property Plant and Equipment - effective until December 31, 2020	$/kVA	(0.1120)	(per 30 days)
Rate Rider for Disposition of External Driven Capital Variance Account - effective until December 31, 2020	$/kVA	(0.2281)	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$/kVA	(0.0879)	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts - effective until December 31, 2021 - Approved on an Interim Basis	$/kVA	0.1402	(per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Account - effective until December 31, 2021 (Applicable only for Class B Customers) - Approved on an Interim Basis	$/kVA	(0.0062)	(per 30 days)
Rate Rider for Disposition of Global Adjustment Account - effective until December 31, 2021 (Applicable only for Non-RPP Customers) - Approved on an Interim Basis	$/kWh	(0.00159)	
Retail Transmission Rate - Network Service Rate	$/kW	2.6543	(per 30 days)
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.8403	(per 30 days)

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	
Standard Supply Service - Administrative Charge (if applicable)	$	0.25	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective Date January 1, 2020

Implementation Date March 1, 2020

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

EB-2018-0165

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 utility'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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	5.33	(per 30 days)

ALLOWANCES

Transformer Allowance for Ownership	$/kVA	(0.62)	(per 30 days)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	(1.00)	

SPECIFIC SERVICE CHARGES

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the 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 Debt Retirement Charge, the Global Adjustment and the HST.

Customer Administration

Account history	$	25.00
Duplicate invoices for previous billing	$	25.00
Request for other billing or system information	$	25.00
Easement letter	$	25.00
Income tax letter	$	25.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	$	35.00
Returned cheque (plus bank charges)	$	25.00
Special meter reads	$	55.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	$	55.00

Non-Payment of Account

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	%	1.50
Reconnection charge - at meter - during regular hours	$	120.00
Reconnection charge - at meter - after regular hours	$	400.00
Reconnection charge - at pole - during regular hours	$	300.00
Reconnection charge - at pole - after regular hours	$	820.00

Other

Reconnection charge - at meter - during regular hours	$	120.00
Reconnection charge - at meter - after regular hours	$	400.00
Reconnection charge - at pole - during regular hours	$	300.00
Reconnection charge - at pole - after regular hours	$	820.00
Temporary service install & remove - overhead - no transformer	$	2,040.00
Specific charge for access to the power poles (wireline attachments) - per pole/year	$	44.50

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective Date January 1, 2020

Implementation Date March 1, 2020

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

EB-2018-0165

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the 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 Debt Retirement Charge, the Global Adjustment and the HST.

Retail Service Charges refer to services provided by THESL to retailers or customers related to the supply of competitive electricity and are defined in the 2006 Electricity Distribution Rate Handbook.

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	$	102.00
Monthly Fixed Charge, per retailer	$	40.80
Monthly Variable Charge, per customer, per retailer	$/cust.	1.02
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	(0.61)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.51
Processing fee, per request, applied to the requesting party	$	1.02
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)	$	4.08

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	1.0295
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0172
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0192
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0070

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2021

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

EB-2020-0057

RESIDENTIAL SERVICE CLASSIFICATION

This classification is applicable to an account where electricity is used exclusively for residential purposes in a separately metered living accommodation, where the Competitive Sector Multi-Unit Residential classification is not applicable. Eligibility is restricted to a dwelling unit that consists of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex building, with a residential zoning; a separately metered dwelling within a town house complex or apartment building; and bulk metered residential buildings with six or fewer units. Class B consumers are defined in accordance with O. Reg. 429/04. Further details concerning the terms of service 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	40.08	(per 30 days)
Rate Rider for Smart Metering Entity Charge - effective until December 31, 2022	$	0.56	(per 30 days)
Rate Rider for Recovery of Monthly Billing Transition Costs - effective until December 31, 2022	$	0.48	(per 30 days)
Rate Rider for Disposition of Stranded Meter Assets - effective until December 31, 2024	$	(0.02)	(per 30 days)
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	$	(0.01)	(per 30 days)
Rate Rider for Disposition of Accounts Receivable Credits - effective until December 31, 2024	$	(0.10)	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	$	(2.13)	(per 30 days)
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	$	(0.34)	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$	(0.26)	(per 30 days)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism (LRAMVA) - effective until Dec. 31, 2021	$/kWh	0.00099	
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	$/kWh	0.00027	
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021 - Approved on an Interim Basis	$/kWh	0.00033	
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until Dec 31, 2021 (Applicable only for Class B Customers)	$/kWh	(0.00009)	
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until Dec 31, 2021 (Applicable only for Class B Customers) - Approved on an Interim Basis	$/kWh	(0.00002)	
Rate Rider for Disposition of Global Adjustment Account (2021) (Applicable only for Non-RPP Customers) - Approved on an Interim Basis	$/kWh	0.00239	
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until Dec 31, 2021 (Applicable only for Non-RPP Customers) - Approved on an Interim Basis	$/kWh	(0.00159)	
Retail Transmission Rate - Network Service Rate	$/kWh	0.00821	
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00662	

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	
Standard Supply Service - Administrative Charge (if applicable)	$	0.25	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2021

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

EB-2020-0057

COMPETITIVE SECTOR MULTI-UNIT RESIDENTIAL SERVICE CLASSIFICATION

This classification is applicable to an account where electricity is used exclusively for residential purposes in a multi-unit residential building, where unit metering is provided using technology that is substantially similar to that employed by competitive sector sub-metering providers. Use of electricity in non-residential units of multi-unit buildings does not qualify for this classification and will instead be subject to the applicable commercial classification. Class B consumers are defined in accordance with O. Reg. 429/04. Further details concerning the terms of service 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	32.89	(per 30 days)
Rate Rider for Smart Metering Entity Charge - effective until December 31, 2022	$	0.56	(per 30 days)
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	$	(0.01)	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	$	(1.43)	(per 30 days)
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	$	(0.23)	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$	(0.15)	(per 30 days)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism (LRAMVA) - effective until Dec. 31, 2021	$/kWh	0.00122	
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	$/kWh	0.00025	
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021 - Approved on an Interim Basis	$/kWh	0.00025	
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until Dec 31, 2021 (Applicable only for Class B Customers)	$/kWh	(0.00009)	
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until Dec 31, 2021 (Applicable only for Class B Customers) - Approved on an Interim Basis	$/kWh	(0.00002)	
Rate Rider for Disposition of Global Adjustment Account (2021)- effective until Dec 31, 2021 (Applicable only for Non-RPP Customers)	$/kWh	0.00239	
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until Dec 31, 2021 (Applicable only for Non-RPP Customers) - Approved on an Interim Basis	$/kWh	(0.00159)	
Retail Transmission Rate - Network Service Rate	$/kWh	0.00821	
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00662	

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	
Standard Supply Service - Administrative Charge (if applicable)	$	0.25	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2021

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

EB-2020-0057

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is less than, or is forecast to be 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	38.66	(per 30 days)
Rate Rider for Smart Metering Entity Charge - effective until December 31, 2022	$	0.56	(per 30 days)
Rate Rider for Disposition of Stranded Meter Assets - effective until December 31, 2024	$	(0.13)	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$	0.11	(per 30 days)
Distribution Volumetric Rate	$/kWh	0.03576	
Rate Rider for Recovery of Monthly Billing Transition Costs - effective until December 31, 2022	$/kWh	0.00018	
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	$/kWh	(0.00002)	
Rate Rider for Disposition of Accounts Receivable Credits - effective until December 31, 2024	$/kWh	(0.00006)	
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	$/kWh	(0.00248)	
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	$/kWh	(0.00040)	
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$/kWh	0.00010	
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism (LRAMVA) - effective until Dec. 31, 2021	$/kWh	0.00185	
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	$/kWh	0.00029	
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021 - Approved on an Interim Basis	$/kWh	0.00038	
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until Dec 31, 2021 (Applicable only for Class B Customers)	$/kWh	(0.00009)	
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until Dec 31, 2021 (Applicable only for Class B Customers) - Approved on an Interim Basis	$/kWh	(0.00002)	
Rate Rider for Disposition of Global Adjustment Account (2021)- effective until Dec 31, 2021 (Applicable only for Non-RPP Customers)	$/kWh	0.00239	
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until Dec 31, 2021 (Applicable only for Non-RPP Customers) - Approved on an Interim Basis	$/kWh	(0.00159)	
Retail Transmission Rate - Network Service Rate	$/kWh	0.00799	
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00592	

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	
Standard Supply Service - Administrative Charge (if applicable)	$	0.25	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2021

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

EB-2020-0057

GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than 50 kW but less than 1,000 kW, or is forecast to be equal to or greater than 50 kW but less than 1,000 kW. This rate also applies to bulk metered residential apartment buildings or the house service of a residential apartment building with more than 6 units. 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.

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.

The rate rider for the disposition of Post 2011 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	51.37	(per 30 days)
Rate Rider for Disposition of Stranded Meter Assets - effective until December 31, 2024	$	(0.47)	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$	(0.21)	(per 30 days)
Distribution Volumetric Rate	$/kVA	8.2497	(per 30 days)
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	$/kVA	(0.0013)	(per 30 days)
Rate Rider for Disposition of Expansion Deposits - effective until December 31, 2024	$/kVA	(0.0699)	(per 30 days)
Rate Rider for Disposition of Accounts Receivable Credits - effective until December 31, 2024	$/kVA	(0.0005)	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	$/kVA	(0.4304)	(per 30 days)
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	$/kVA	(0.0690)	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$/kVA	(0.0189)	(per 30 days)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism (LRAMVA) - effective until Dec. 31, 2021	$/kVA	0.6523	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	$/kVA	0.0588	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021 - Approved on an Interim Basis	$/kVA	0.2422	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2021)- effective until December 31, 2021 (Applicable only for Non-Wholesale Market Participants)	$/kVA	0.0664	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2020)- effective until December 31, 2021 (Applicable only for Non-Wholesale Market Participants) - Approved on an Interim Basis	$/kVA	(0.0894)	(per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until Dec 31, 2021 (Applicable only for Class B Customers)	$/kVA	(0.0347)	(per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until Dec 31, 2021 (Applicable only for Class B Customers) - Approved on an Interim Basis	$/kVA	(0.0067)	(per 30 days)
Rate Rider for Disposition of Global Adjustment Account (2021)- effective until Dec 31, 2021 (Applicable only for Non-RPP Customers)	$/kWh	0.00239	
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until Dec 31, 2021 (Applicable only for Non-RPP Customers) - Approved on an Interim Basis	$/kWh	(0.00159)	
Retail Transmission Rate - Network Service Rate	$/kW	2.7026	(per 30 days)
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.1393	(per 30 days)

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	
Standard Supply Service - Administrative Charge (if applicable)	$	0.25	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2021

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

EB-2020-0057

GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than 1,000 kW but less than 5,000 kW, or is forecast to be equal to or greater than 1,000 kW but less than 5,000 kW. This rate also applies to bulk metered residential apartment buildings or the house service of a residential apartment building with more than 6 units. 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.

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.

The rate rider for the disposition of Post 2011 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	967.95	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$	(5.18)	(per 30 days)
Distribution Volumetric Rate	$/kVA	6.8173	(per 30 days)
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	$/kVA	(0.0006)	(per 30 days)
Rate Rider for Disposition of Expansion Deposits - effective until December 31, 2024	$/kVA	(0.0527)	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	$/kVA	(0.3244)	(per 30 days)
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	$/kVA	(0.0520)	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$/kVA	0.0124	(per 30 days)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism (LRAMVA) - effective until Dec. 31, 2021	$/kVA	0.4280	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	$/kVA	0.0707	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021 - Approved on an Interim Basis	$/kVA	0.2757	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2021)- effective until December 31, 2021 (Applicable only for Non-Wholesale Market Participants)	$/kVA	0.0760	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2020)- effective until December 31, 2021 (Applicable only for Non-Wholesale Market Participants) - Approved on an Interim Basis	$/kVA	(0.1020)	(per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until Dec 31, 2021 (Applicable only for Class B Customers)	$/kVA	(0.0352)	(per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until Dec 31, 2021 (Applicable only for Class B Customers) - Approved on an Interim Basis	$/kVA	(0.0065)	(per 30 days)
Rate Rider for Disposition of Global Adjustment Account (2021)- effective until Dec 31, 2021 (Applicable only for Non-RPP Customers)	$/kWh	0.00239	
Rate Rider for Disposition of Global Adjustment Account (2020)- effective until December 31, 2021 (Applicable only for Non-RPP Customers) - Approved on an Interim Basis	$/kWh	(0.00159)	
Retail Transmission Rate - Network Service Rate	$/kW	2.6113	(per 30 days)
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.1371	(per 30 days)

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	
Standard Supply Service - Administrative Charge (if applicable)	$	0.25	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2021

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

EB-2020-0057

LARGE USE SERVICE CLASSIFICATION

This classification applies to an account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. 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.

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.

The rate rider for the disposition of Post 2011 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	4,284.83	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$	(21.80)	(per 30 days)
Distribution Volumetric Rate	$/kVA	7.3866	(per 30 days)
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	$/kVA	(0.0006)	(per 30 days)
Rate Rider for Disposition of Expansion Deposits - effective until December 31, 2024	$/kVA	(0.0622)	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	$/kVA	(0.3827)	(per 30 days)
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	$/kVA	(0.0613)	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$/kVA	0.0195	(per 30 days)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism (LRAMVA) - effective until Dec. 31, 2021	$/kVA	0.6675	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	$/kVA	0.0573	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021 - Approved on an Interim Basis	$/kVA	0.2939	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2021)- effective until December 31, 2021 (Applicable only for Non-Wholesale Market Participants)	$/kVA	0.0782	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2020)- effective until December 31, 2021 (Applicable only for Non-Wholesale Market Participants) - Approved on an Interim Basis	$/kVA	(0.1064)	(per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until Dec 31, 2021 (Applicable only for Class B Customers)	$/kVA	(0.0252)	(per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until Dec 31, 2021 (Applicable only for Class B Customers) - Approved on an Interim Basis	$/kVA	(0.0046)	(per 30 days)
Rate Rider for Disposition of Global Adjustment Account (2021)- effective until Dec 31, 2021 (Applicable only for Non-RPP Customers)	$/kWh	0.00239	
Rate Rider for Disposition of Global Adjustment Account (2020)- effective until December 31, 2021 (Applicable only for Non-RPP Customers) - Approved on an Interim Basis	$/kWh	(0.00159)	
Retail Transmission Rate - Network Service Rate	$/kW	2.9767	(per 30 days)
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3743	(per 30 days)

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	
Standard Supply Service - Administrative Charge (if applicable)	$	0.25	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2021

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

EB-2020-0057

STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation and requires THESL to provide back- up service. 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component - 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).

Service Charge	$	250.60	(per 30 days)
Distribution Volumetric Rate			
For General Service 50 - 999 kW Service Classification	$/kVA	8.2497	(per 30 days)
For General Service 1,000 - 4,999 kW Service Classification	$/kVA	6.8173	(per 30 days)
For Large Use Service Classification	$/kVA	7.3866	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2021

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

EB-2020-0057

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand at each location is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by THESL and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	6.33	(per 30 days)
Connection Charge (per connection)	$	0.66	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$	(0.10)	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue (per connection) - effective until December 31, 2021	$	(0.01)	(per 30 days)
Distribution Volumetric Rate	$/kWh	0.07963	
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	$/kWh	(0.00003)	
Rate Rider for Disposition of Expansion Deposits - effective until December 31, 2024	$/kWh	(0.00082)	
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	$/kWh	(0.00505)	
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	$/kWh	(0.00081)	
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$/kWh	(0.00121)	
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	$/kWh	0.00027	
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021 - Approved on an Interim Basis	$/kWh	0.00040	
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until Dec 31, 2021 (Applicable only for Class B Customers)	$/kWh	(0.00009)	
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until Dec 31, 2021 (Applicable only for Class B Customers) - Approved on an Interim Basis	$/kWh	(0.00002)	
Rate Rider for Disposition of Global Adjustment Account (2021)- effective until Dec 31, 2021 (Applicable only for Non-RPP Customers)	$/kWh	0.00239	
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until Dec 31, 2021 (Applicable only for Non-RPP Customers) - Approved on an Interim Basis	$/kWh	(0.00159)	
Retail Transmission Rate - Network Service Rate	$/kWh	0.00497	
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.00418	

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	
Standard Supply Service - Administrative Charge (if applicable)	$	0.25	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2021

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EB-2020-0057

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved OEB street lighting load shape template. 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per device)	$	1.63	(per 30 days)
Distribution Volumetric Rate	$/kVA	36.3714	(per 30 days)
Rate Rider for Disposition of Wireless Pole Attachment Revenue - effective until December 31, 2024	$/kVA	(0.0120)	(per 30 days)
Rate Rider for Disposition of Expansion Deposits - effective until December 31, 2024	$/kVA	(0.3914)	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan - effective until December 31, 2021	$/kVA	(2.4094)	(per 30 days)
Rate Rider for Disposition of the Gain on Property Sale - effective until December 31, 2021	$/kVA	(0.3860)	(per 30 days)
Rate Rider for Recovery of 2020 Foregone Revenue - effective until December 31, 2021	$/kVA	(0.0879)	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until Dec 31, 2021	$/kVA	0.1156	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until Dec 31, 2021 - Approved on an Interim Basis	$/kVA	0.1402	(per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until Dec 31, 2021 (Applicable only for Class B Customers)	$/kVA	(0.0305)	(per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until Dec 31, 2021 (Applicable only for Class B Customers) - Approved on an Interim Basis	$/kVA	(0.0062)	(per 30 days)
Rate Rider for Disposition of Global Adjustment Account (2021)- effective until Dec 31, 2021 (Applicable only for Non-RPP Customers)	$/kWh	0.00239	
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2021 (Applicable only for Non-RPP Customers) - Approved on an Interim Basis	$/kWh	(0.00159)	
Retail Transmission Rate - Network Service Rate	$/kW	2.4039	(per 30 days)
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5507	(per 30 days)

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	
Standard Supply Service - Administrative Charge (if applicable)	$	0.25	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

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EB-2020-0057

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 utility'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	$	4.49	(per 30 days)

ALLOWANCES

Transformer Allowance for Ownership	$/kVA	(0.62)	(per 30 days)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	(1.00)	

SPECIFIC SERVICE CHARGES

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the 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		
Account history	$	25.00
Duplicate invoices for previous billing	$	25.00
Request for other billing or system information	$	25.00
Easement letter	$	25.00
Income tax letter	$	25.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	$	35.00
Returned cheque (plus bank charges)	$	25.00
Special meter reads	$	55.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	$	55.00
Non-Payment of Account		
Late payment - per month		
(effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	%	1.50
Reconnection charge - at meter - during regular hours	$	120.00
Reconnection charge - at meter - after regular hours	$	400.00
Reconnection charge - at meter - during regular hours	$	300.00
Reconnection charge - at meter - after regular hours	$	820.00
Other		
Reconnection charge - at meter - during regular hours	$	120.00
Reconnection charge - at meter - after regular hours	$	400.00
Reconnection charge - at meter - during regular hours	$	300.00
Reconnection charge - at meter - after regular hours	$	820.00
Temporary service install & remove - overhead - no transformer	$	2,040.00
Specific charge for access to the power poles (wireline attachments) - per pole/year	$	45.39

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2021

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RETAIL SERVICE CHARGES (if applicable)

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the 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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Retail Service Charges refer to services provided by THESL to retailers or customers related to the supply of competitive electricity and are defined in the 2006 Electricity Distribution Rate Handbook.

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	$	102.00
Monthly Fixed Charge, per retailer	$	40.80
Monthly Variable Charge, per customer, per retailer	$/cust.	1.02
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	(0.61)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.51
Processing fee, per request, applied to the requesting party	$	1.02
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)	$	4.08

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	1.0295
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0172
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0192
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0070