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August 23, 2017

via RESS – signed original to follow by courier

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 2018 Electricity Distribution Rates and Charges
OEB File No. EB-2017-0077**

Pursuant to section 78 of the *Ontario Energy Board Act, 1998* and the Ontario Energy Board’s Decision in EB-2014-0116 in which Toronto Hydro’s 2018 rates were set on an interim basis, enclosed is Toronto Hydro’s annual rate update in support for its request to finalize distribution rates and other charges, effective January 1, 2018.

Yours truly,

encl.

:DC\JL

cc: Daliana Coban, Toronto Hydro
Intervenor of Record for EB-2014-0116

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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, 2018.

1 The Applicant, Toronto Hydro-Electric System Limited (“Toronto Hydro”), is a
2 corporation incorporated under the *Business Corporations Act*, R.S.O. 1990, c. B. 17 and
3 is licensed by the Ontario Energy Board (the “OEB”) under licence number ED-2002-
4 0497 to distribute electricity in the City of Toronto.
5
6 Toronto Hydro’s tariff of rates and charges was most recently updated by the OEB
7 effective January 1, 2017 per to the OEB’s Decision and Rate Order in Toronto Hydro’s
8 Custom Incentive Rate-setting 2017 Update Application (EB-2016-0254) [the “2017 IR
9 Update”]. The 2017 IR Update proceeding was filed pursuant to the OEB’s Decision and
10 Rate Order in Toronto Hydro’s 2015-2019 Custom IR proceeding (EB-2014-0116) [the
11 “Custom IR”] in which, among other orders, the OEB approved Toronto Hydro’s 2017-
12 2019 distribution rates on an interim basis.¹ This 2018 Custom Incentive Rate-setting

¹ Ontario Energy Board, “Decision and Order, EB-2014-0116, Toronto Hydro-Electric System Limited, Application for electricity distribution rates effective from May 1, 2015 and for each following year effective January 1 through December 31, 2019” (December 29, 2015) at p. 60 [*EB-2014-0116 Decision*]. Refer to Tab 2, Schedule 1, Appendix A for the supporting documentation.

1 Update Application (EB-2017-0077) for final approval of 2018 distribution rates and
2 charges is being filed in accordance with the same OEB direction.

3
4 Pursuant to section 78 of the *Ontario Energy Board Act, 1998* as amended (the “OEB
5 Act”) and the OEB’s direction in the Custom IR application, Toronto Hydro hereby
6 requests final approval of distribution rates and other charges, effective January 1, 2018,
7 along with approval for disposition of amounts accumulated in certain Deferral and
8 Variance Accounts (DVAs), as detailed in Tab 2, Schedule 1.

9
10 This application is supported by pre-filed written evidence, which may be amended or
11 updated from time to time, prior to the OEB’s final decision on this application. The pre-
12 filed evidence complies with the OEB’s *2017 Filing Requirements for Electricity*
13 *Distribution Rate Applications* (revised July 20, 2017) (the “Filing Requirements”) and only
14 deviates from these requirements in accordance with the custom rate framework
15 approved by the OEB in EB-2014-0116.

16
17
18 **I. SPECIFIC RELIEF REQUESTED**

19 Toronto Hydro requests:

- 20 a) Approval for an Order or Orders approving the Tariff of Rates and Charges set
21 out in Tab 6, Schedule 2 of this Application as just and reasonable rates and
22 charges pursuant to section 78 of the OEB Act, to be effective January 1, 2018;
23 b) Approval for the clearance of the balances recorded in certain Deferral and
24 Variance accounts, as outlined in the Manager’s Summary at Tab 2, Schedule 1 of
25 this Application; and,
26 c) Other items or amounts that may be requested by Toronto Hydro during the
27 course of the proceeding, and such other relief or entitlements as the OEB may
28 grant.

II. PROPOSED EFFECTIVE DATE

Toronto Hydro requests that the OEB make its Rate Order effective January 1, 2018, 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, 2018 and establishing an account to recover any differences between the interim rates and the actual rates effective January 1, 2018 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 2017 IR Update application (EB-2016-0254), 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 23rd day of August, 2017.

Andrew J. Sasso
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Toronto Hydro
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Toronto, ON M5B 1K5
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**TORONTO HYDRO-ELECTRIC
SYSTEM LIMITED**

14 Carlton Street
Toronto, ON M5B 1K5

Signed by:



Andrew J. Sasso
Director, Regulatory Affairs

- 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, 2018.
Applicant's Name:	Toronto Hydro-Electric System Limited ("Toronto Hydro")
Application Address:	14 Carlton Street Toronto, Ontario M5B 1K5
Counsel to the Applicant:	Daliana Coban, Toronto Hydro, LSUC# 62139A
Contact Information:	Daliana Coban Manager, Regulatory Law Toronto Hydro 14 Carlton Street Toronto, ON M5B 1K5 regulatoryaffairs@torontohydro.com dcoban@torontohydro.com Tel: 416-542-2627 Fax: 416-542-3024

OFFICER'S CERTIFICATE – PRE-FILED EVIDENCE

As the Executive Vice President, Chief Financial Officer of Toronto Hydro-Electric System Limited ("Toronto Hydro"), I hereby certify that Toronto Hydro that the pre-filed evidence submitted in support of Toronto Hydro's 2018 Custom Incentive Rate-setting Update Application (EB-2017-0077), 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 July 20, 2017).

DATED this 23rd day of August, 2017.



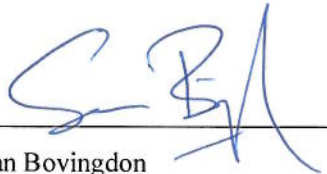
Sean Bovingdon
Executive Vice President,
Chief Financial Officer

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 2018 Custom Incentive Rate-setting Update Application (EB-2017-0077), as filed with the Ontario Energy Board.

This certificate is given pursuant to Chapter 2 of the Ontario Energy Board's *Filing Requirements for Electricity Distribution Rate Applications* (revised July 20, 2017).

DATED this 23rd day of August, 2017.



Sean Bovingdon
Executive Vice President,
Chief Financial Officer

**APPLICATION TO FINALIZE 2018 ELECTRICITY DISTRIBUTION RATES
AND CHARGES: MANAGER'S SUMMARY**

On July 31, 2014, Toronto Hydro filed a rebasing application, the 2015-2019 Custom Incentive Rate-setting application (EB-2014-0116) (the "Custom IR"), pursuant to the OEB's Renewed Regulatory Framework for Electricity (the "RRFE"). On December 29, 2015, the OEB issued a Decision and Order and on March 1, 2016 a Rate Order in respect of that application, approving final distribution rates for 2015 and 2016, and providing interim approval of distribution rates for 2017, 2018 and 2019.¹ Toronto Hydro filed an application for final approval of the 2017 distribution rates and charges (EB-2016-0254) on August 22, 2016 (the "2017 IR Update") and received a final Rate Order from the OEB on December 21, 2016.

This application seeks final approval of the 2018 distribution rates and charges, effective January 1, 2018, by way of an update to the rates currently approved by the OEB on an interim basis in Toronto Hydro's Custom IR application. In addition, the application seeks approval of the 2018 Retail Transmission Service Rates ("RTSR"), effective January 1, 2018, along with the leave to clear the amounts accumulated in the Group 1 Deferral and Variance Accounts ("DVAs") and Lost Revenue Adjustment Mechanism Variance Account ("LRAMVA") in the manner described below.

All rate adjustments, including the clearance of Group 1 DVAs, sought as a part of this application are the product of the OEB's 2018 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 was customized for Toronto Hydro by OEB Staff to reflect the Custom Incentive Price

¹ Ontario Energy Board, "Decision and Order, EB-2014-0116, Toronto Hydro-Electric System Limited, Application for electricity distribution rates effective from May 1, 2015 and for each following year effective January 1 through December 31, 2019" (December 29, 2015) at p. 60 [*EB-2014-0116 Decision*]. Refer to Tab 2, Schedule 1, Appendix A for the supporting documentation.

1 Cap Index (“CPCI”) mechanism underlying the Applicant’s approved Custom IR
2 framework, use of a 30-day basis for fixed and demand based rates,² and use of kVA for
3 distribution related demand based rates. Toronto Hydro confirms the accuracy of the
4 billing determinants and RRR data in the OEB’s pre-populated models.

5
6
7 **A. 2017 TARIFF SHEET**
8

9 The Applicant has included within the Rate Model and at Tab 6, Schedule 1 a copy of the
10 current 2017 Tariff Sheet approved by the OEB in the 2017 IR Update application (EB-
11 2016-0254). The rates and charges set out in the 2017 Tariff Sheet are the starting point
12 from which the 2018 rates and charges are calculated using the Rate Model.

13
14
15 **B. CUSTOM PRICE CAP INDEX (CPCI) ADJUSTMENT**
16

17 In EB-2014-0116, the OEB approved a Custom Price Cap Index (CPCI) rate framework
18 for adjusting Toronto Hydro’s distribution rates in years 2 through 5 of the 2015 to 2019
19 rate period. The approved formula for the CPCI is $I - X + (C_n - S_{cap} \times I) - g$, where:

- 20 • I is an adjustment for inflation based on the OEB’s methodology
21 • X is the sum of productivity and stretch factors based on the OEB’s methodology
22 • C_n is the capital factor
23 • S_{cap} is the capex scaling
24 • g is the growth factor

² However, Toronto Hydro notes that the reconciliation calculation in Tab 7 of the Rate Model (“Calculation of Def-Var RR”) was not modified to take into account the 30-day basis for fixed and demand based rates. As a result, the OEB’s Rate Model over-calculates the reconciliation value in Tab 7 of the Rate Model. See footnote 6 below for more information.

The Productivity Factor, Stretch Factor, Capital Factor and Growth Factor underlying the CPCI values were approved by the OEB for the entire duration of the Custom IR period.³ Therefore, the only adjustment for the calculation of final 2018 distribution rates is the 2018 Inflation Factor, which will be issued by OEB sometime in the course of this proceeding.⁴ The Rate Model filed at Tab 3, Schedule 1 adopts the OEB's 2017 Inflation Factor as a proxy. When the OEB issues the 2018 Inflation Factor, the Applicant will update the Rate Model and the pre-filed evidence accordingly.

For ease of reference, the table below outlines the approved components of the CPCI for the years 2016 to 2018.⁵

Table 1 - CPCI Factors and Values

	2016	2017	2018
I - Inflation	2.1	1.9	1.9 (Note 1)
X - Productivity	(0.0)	(0.0)	(0.0)
X – Stretch	(0.6)	(0.6)	(0.6)
C _n – Capital Factor	4.07	7.60	5.99
S _{cap} – Share of Capital	68.9%	70.8%	72.2%
g – Growth	(0.3)	(0.3)	(0.3)
CPCI	3.83	7.26	5.62

Note 1 - Final 2018 Inflation value to be determined by OEB.

³ *Supra* note 1, EB-2014-0116 Decision at page 14 [reference to OEB approval of the Productivity Factor], at page 19 [reference to OEB approval of the Stretch Factor], at page 28 [reference to OEB approval of the C Factor], at page 29 [reference to OEB approval of the Growth Factor]. Refer to Tab 2, Schedule 1, Appendix A or the supporting documentation.

⁴ Ontario Energy Board, "Decision and Rate Order, EB-2014-0116, Toronto Hydro-Electric System Limited, Application for electricity distribution rates effective from May 1, 2015 and for each following year effective January 1 through December 31, 2019" (March 1, 2016) at page 2 [*EB-2014-0116 Rate Order*]. Refer to Tab 2, Schedule 1, Appendix C for the supporting documentation.

⁵ Toronto Hydro-Electric System Limited, Draft Rate Order Update, EB-2014-0116 (February 29, 2016) at page 6 [*EB-2014-0116 Draft Rate Order Update*]. Refer to Tab 2, Schedule 1, Appendix B for the supporting documentation.

C. EARNINGS SHARING MECHANISM

In EB-2014-0116, the OEB established an Earning Sharing Mechanism (ESM) Variance Account to record amounts arising from non-capital related revenue requirement earnings outside of Toronto Hydro's approved annual return on equity (ROE) exceeding a +/- 100 basis-point dead band. Toronto Hydro confirms that the ESM threshold was not triggered by the 2016 fiscal year.

D. DEFERRAL AND VARIANCE ACCOUNTS RATE RIDERS

In this application, Toronto Hydro requests leave to clear through rate riders the balances pertaining to the Group 1 RSVA DVAs, as well as the LRAMVA. In accordance with the *Report of the Board on Electricity Distributors' Deferral and Variance Account Review Initiative* (issued July 31, 2009) [the "EDDVAR Report"], the RSVA account balances must be cleared if the amounts exceed the pre-set disposition threshold of \$0.001 per kWh. As shown in the Rate Model at Tab 3, Schedule 1, the threshold was exceeded based on the year-end 2016 balances.

The proposed RSVA clearances and supporting continuity schedules are set out in the Rate Model. Table 2 below summarizes the balances proposed for clearance.

Table 2: RSVA Balances for Clearance

Account	Dec 31, 2016 Balance (\$)	Carrying Charges (to Dec 31, 2017) (\$)	Total For Clearance (\$)
1550 - LV Variance Account	312,025	5,550	317,575
1551 - Smart Meter Entity Variance Account	-379,776	18,877	-360,899

Account	Dec 31, 2016 Balance (\$)	Carrying Charges (to Dec 31, 2017) (\$)	Total For Clearance (\$)
1580 - RSVA WMS	-26,035,862	-711,238	-26,747,100
1580 - RSVA WMS - Sub-account CBR Class B	1,535,334	31,169	1,566,503
1584 - RSVA Retail Transmission Network Charge	-16,414,401	-189,369	-16,603,770
1586 - RSVA Retail Transmission Connection Charge	-29,949,890	-416,387	-30,366,277
1588 - RSVA Power	-4,904,742	-84,814	-4,989,556
1589 - RSVA Global Adjustment	-13,283,670	25,108	-13,258,562

1 In accordance with Chapter 3 of the Filing Requirements, the Applicant confirms that its
2 RPP settlement process with the IESO is consistent with the description provided in the
3 2017 IR Update application (EB-2016-0254).

4

5 A certification by the Chief Financial Officer relating to the processes and controls in
6 place for the preparation, review, verification and oversight of RSVA accounts balances
7 is filed at Tab 1, Schedule 2.

8

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

15

1 The balances in the RSVA GA are allocated to non-RPP customers only. Toronto Hydro
2 used the Rate Model to address the GA for customers that transition between Class A and
3 Class B during 2016. The GA Analysis Workform is filed at Tab 3, Schedule 2.

4
5 The Rate Model details the balances allocated to each rate class and shows the
6 development of the proposed rate riders. Toronto Hydro proposes to clear the balance in
7 all the accounts over a 12-month period from January 1, 2018 through December 31,
8 2018. All rate riders were calculated using the 2016 RRR billing unit data, which was
9 pre-populated by OEB Staff in the Rate Model.⁶

10
11
12 **E. CAPACITY BASED RECOVERY BALANCES**

13
14 The Applicant seeks clearance of the Class B Capacity Based Recovery (“CBR”)
15 balances to December 2016 through a separate rider as calculated by the Rate Model.

16
17
18 **F. LOST REVENUE ADJUSTMENT MECHANISM VARIANCE ACCOUNT**
19 **(LRAMVA)**

20
21 Toronto Hydro proposes to clear the LRAMVA amounts in account 1568 related to the
22 2015 and 2016 rate years. The amounts proposed for clearance were determined by the
23 OEB’s LRAMVA Workform, conform to the most recent LRAMVA guidelines,⁸ and

⁶ Toronto Hydro notes that on Tab 7 of the Rate Model (“Calculation of Def-Var RR”) the Revenue Reconciliation value does not reconcile to the DVA amounts proposed for clearance by the Applicant because the reconciliation calculation does not take into account the 30-day basis of Toronto Hydro’s demand based rates. As a result, the OEB’s Rate Model over-calculates the reconciliation value. Toronto confirms that the rates calculated by the Rate Model do in fact reconcile with the amounts sought for clearance.

⁸ Conservation and Demand Management Requirement Guidelines for Electricity Distributors (EB-2014-0278) and Report of the OEB: Updated Policy for the Lost Revenue Adjustment Mechanism Calculation:

rely on the most recent CDM program input assumptions available at the time of program evaluation. A copy of the The LRAMVA workform is filed at Tab 4, Schedule 1.

The LRAMVA clearance is based on the Final CDM Annual Report and Persistence Savings Report for 2016, which is filed Tab 4, Schedule 1, Appendix A. An Excel copy of this document has also been provided.

Table 3 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, the Applicant submits that the 2016 year-end LRAMVA balance is 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, 2018.

Table 3 – LRAMVA Summary

Rate Class	Principle for Clearance (\$)	Carrying Charges (\$)	Total For Clearance (\$)	Proposed Rate Rider (\$/kWh or \$/kVA)
Residential	1,987,281	34,022	2,021,303	0.00041
CSMUR	152,397	2,665	155,062	0.00067
GS<50kW	-437,137	-10,295	-447,432	-0.00019
GS 50-999kW	2,215,596	39,438	2,255,034	0.0912
GS 1000-4999kW	1,105,772	21,126	1,126,898	0.1049
Large User	1,423,253	28,402	1,451,655	0.2760

G. ADJUSTMENTS TO DEFERRAL AND VARIANCE ACCOUNTS

Toronto Hydro confirms that it has not made any adjustments to previously approved

1 DVAs. The balances proposed for clearance match the account balances filed in the
2 RRR, subject to the exceptions detailed below.

3
4 As described in Note 1 on the Continuity Schedule in the Rate Model, the 2016 year-end
5 balances for RSVA Power and RSVA GA filed in the RRR were adjusted to reflect a re-
6 class of amounts included in RSVA Power that should have been included in RSVA GA.
7 The adjustments are offsetting. Furthermore, the final LRAMVA balance proposed for
8 clearance has been determined using the latest LRAMVA model and final 2015 and 2016
9 CDM results from the IESO, both of which were unavailable at the time of filing the
10 RRR.

11 12 13 **H. TAX CHANGES**

14
15 The Applicant confirms that there have been no applicable legislated tax changes since its
16 last rebasing application (EB-2014-0116).

17 18 19 **I. RETAIL TRANSMISSION SERVICE RATES**

20
21 The Applicant seeks to set 2018 Retail Transmission Service Rates based on the OEB's
22 guidance set out in the June 28, 2012 revision of the OEB's Guideline G-2008-0001:
23 Electricity Distribution Retail Transmission Service Rates ("RTSR"), Revision 4.0.
24 Toronto Hydro has used the current OEB-approved Uniform Transmission Rates
25 ("UTR") and the Rate Model for calculating the RTSRs. The Applicant anticipates that
26 the OEB will update the requested RTSRs to reflect the approved 2018 Uniform
27 Transmission Rates when those rates become available.

1 **J. OTHER RATES AND CHARGES**

2
3 Toronto Hydro requests continuation of the various rate riders approved in EB-2014-
4 0116, in accordance with their respective effective and termination dates, and of the other
5 rates and charges approved in that application, including the Specific Service Charges
6 and Loss Factors.

7
8
9 **K. 2018 TARIFF SHEET AND BILL IMPACTS**

10
11 The Applicant's current 2017 Tariff Sheet is filed at Tab 6, Schedule 1, and the proposed
12 2018 Tariff Sheet is at Tab 6, Schedule 2. The 2018 Tariff Sheet has been developed
13 outside of the Rate Model because the Rate Model did not have the ability to show kWh
14 rates at the five decimal place level, and did not include the 30-day descriptor for fixed
15 and demand based charges. Toronto Hydro seeks an Order for final approval of the rates
16 and charges as set out in the 2018 Tariff Sheet at Tab 6, Schedule 2.

17
18
19 **L. 2018 BILL IMPACTS**

20
21 The anticipated 2018 Bill Impacts are filed at Tab 5, Schedule 1. For the reasons
22 described above in section K, the Bill Impacts have been developed outside of the Rate
23 Model.

24
25 Bill impacts for all rate classes are below the 10% mitigation threshold, including the
26 impact on the 10th percentile Residential and CSMUR RPP customers pursuant to the
27 second year of the transition to fully fixed rates for these classes.

28

1 Table 4 below provides a summary of the total bill impacts for a typical customer in each
2 rate class.

3

4 Table 4: Summary of Total Bill Impacts

Rate Classes	\$/30 days	%
Residential (750 kWh, TOU RPP)	\$0.88	0.8%
Competitive Sector Multi Unit Residential (334 kWh, TOU RPP)	\$1.16	1.8%
General Service <50 kW (2,000kWh, TOU RPP)	\$0.62	0.2%
General Service 50-999 kW (388 kVA, Spot, Class B)	-\$1,519.21	-6.2%
General Service 1,000-4,999 kW (1,778 kVA, Spot, Class B)	-\$8,066.75	-6.5%
Large User (9,434,kVA, Spot, Class A)	-\$7,946.87	-1.2%
Unmetered Scattered Load (365 kWh, RPP)	\$1.51	2.1%
Street Lighting (2,704 kVA, Spot, Class B)	-\$6,573.83	-2.4%

5 Toronto Hydro's 2018 proposed rates for the Residential and CSMUR classes reflect the
6 second year of the transition to fully fixed rates. As required, Toronto Hydro assessed
7 the impact of the increase in the fixed rate plus all other proposed rate changes for the
8 10th percentile consumption level. The 10th percentile consumption level was determined
9 based on a sample of 2012 loads for the Residential and CSMUR classes. As average
10 loads for each of these classes have not changed materially, Toronto Hydro submits that
11 this threshold level remains appropriate.



Ontario Energy Board Commission de l'énergie de l'Ontario

DECISION AND ORDER

EB-2014-0116

TORONTO HYDRO-ELECTRIC SYSTEM LIMITED

Application for electricity distribution rates effective from May 1, 2015 and for each following year effective January 1 through to December 31, 2019

BEFORE: Christine Long
Presiding Member

Ken Quesnelle
Vice Chair and Member

Cathy Spoel
Member

December 29, 2015

3.4 The Custom Framework Proposed by Toronto Hydro (Issue 2.2)

Background

The OEB must decide whether the proposed Custom formula proposed by Toronto Hydro is appropriate. Toronto Hydro has proposed that distribution rates in Years 2 through 5 be adjusted annually by using a custom Price Cap Index (PCI):

$$PCI = I - X + C$$

Where,

- “I” is the OEB’s inflation factor, determined annually
- “X” is the sum of:
 - The OEB’s productivity factor
 - Toronto Hydro’s custom stretch factor
- “C” provides incremental funds that are necessary to fund capital needs

Toronto Hydro has proposed two changes to the price cap mechanism that the OEB normally uses.

First, based on the benchmarking it has filed to support this Application, Toronto Hydro is proposing a stretch factor of 0.3%, rather than the 0.6% that would otherwise be applied by the OEB to Toronto Hydro. Second, Toronto Hydro has proposed the use of a custom capital “C” factor

3.4.1 The Custom Stretch Factor

a) The Appropriate Stretch Factor

The OEB undertakes annual benchmarking for all Ontario distributors and based on those benchmarking results assigns each distributor a stretch factor. One of five possible stretch factors is assigned based on whether the distributor’s costs are above or below the benchmark. The “middle” stretch factor is 0.3% which represents an “average” performer. The stretch factor is part of the formula that is used to adjust a distributor’s rates. Based on the OEB’s current methodology, Toronto Hydro’s stretch factor is 0.6%. Toronto Hydro submitted benchmarking evidence in the form of Power System Engineering’s Econometric Benchmarking Report (the PSE Report). On the basis of this report, Toronto Hydro argues that it should be assigned a “better” stretch factor in the proposed Custom PCI framework of 0.3%. Toronto Hydro argued that

The OEB has emphasized in the RRFE⁸ and in previous cases⁹ the importance of benchmarking. It is an important input to the OEB's assessment of an application, but it is not the sole determining factor in setting rates. In the context of a Custom IR, the OEB will use benchmarking as a tool to inform its decisions, but will not use it as the method by which to determine rates.

Findings

The OEB finds that a 0.6% stretch factor is appropriate. The stretch factor will apply to the C-factor, which will be discussed later in the Decision. The OEB is not convinced, based on the evidence provided, that there is any reason to deviate from the stretch factor applied to Toronto Hydro, as a result of the OEB's annual benchmarking.

3.5 The Distribution System Plan (DSP): Capital Programs and expenditures for the 2015-2019 period (Issue 3.2)

Background

Toronto Hydro has stated that this custom Application is driven by a significant capital program. Toronto Hydro's historic and forecast capital spending in the 2006 to 2019 period is summarized in the figure below which is reproduced from its evidence¹⁰:

⁸ Ontario Energy Board *Report of the Board Renewed Regulatory Framework for Electricity Distributors: A Performance-Based Approach*, October 18, 2012, pp. 59-60

⁹ EB-2013-0416/EB-2014-0247, p. 15.

¹⁰ EB-2014-0116 Application E 1B/T2/S4/p. 6 Filed 2014 Jul 31 Corrected 2015 Feb 6

- 2016 – 4.47%
- 2017 – 8.25%
- 2018 – 6.69%
- 2019 – 5.01 %

Toronto Hydro stated that the premise of the inclusion of a C-factor is to allow it to address the RRFE's statement that the Custom IR framework is suitable for utilities with significant multi-year capital investment requirements, as it is clear that the standard 4th Generation IR framework is not. Toronto Hydro further stated the proposed C-factor is designed as a rate adjustment mechanism that is directly proportional to the degree of capital investment required by Toronto Hydro. It is comprised of two sub-components which are designed to: (i) reconcile Toronto Hydro's capital investment needs in a price cap framework, and (ii) return to ratepayers the funding already provided for capital through the standard "I-X" increase.

PEG reviewed the C-factor and stated that it should include an adjustment for the growth in Toronto Hydro billing determinants to prevent the C-factor from over-recovering capital cost. PEG concluded that its recommended C-factor adjustment would eliminate over-recovery of capital costs and reduce Toronto Hydro's price growth by an estimated 1.5% per annum in 2016 through 2019.

Most parties supported the use of the C-factor, though some issues were raised and modifications proposed. Most parties also supported the PEG proposal for some form of billing determinant adjustment. OEB staff submitted that Toronto Hydro's failure to provide five full years of cost forecasts in support of the C-factor calculations resulted in approximations and that more thorough calculations should be provided.

Findings

The OEB is not opposed to the C-factor mechanism as proposed, but the quantum will change as it relates to revenue requirement to reflect the reduction in capital spending approved by the OEB. Under the Application proposed by Toronto Hydro, the C-factor is the mechanism by which increases in capital spending are funded.

C-factor growth determinant

Background

PEG's evidence suggested that the C-factor should include an adjustment for the growth in Toronto Hydro's billing determinants in order to prevent the C factor from over-recovering capital costs. PEG stated that to ensure the C factor recovers only the change in incremental capital spending, it should be modified to reduce the change in

prices by the annual change in a revenue share weighted average of Toronto Hydro's billing determinants. PEG recommended an adjustment estimated at 1.5% per annum in 2016 through 2019. Toronto Hydro did not object to including such a growth factor, but disagreed with the magnitude of the adjustment proposed by PEG and the other parties. Toronto Hydro argued that a more appropriate growth factor adjustment would be closer to 0.3% rather than PEG's proposed 1.5%.

Findings

The OEB is of the view that a growth factor is reasonable in order to prevent an over-recovery of costs. Toronto Hydro is in the best position to anticipate what its growth factor will be over the term of the rate plan. The 0.3% suggested by Toronto Hydro appears to be reasonable as it is based on Toronto Hydro's detailed forecast of its load and customers by class for the 2015 to 2019 period¹⁹ which has been accepted later in the Decision.

The ICM Application

The 2012-2014 Incremental Capital Module (ICM²⁰) was the source of some discussion in the Application. Parties argued that approximately 86% of proposed capital spending in the five year DSP is similar in nature to the ICM work. Therefore the results of the ICM true up were of interest to many of the parties. Toronto Hydro advised that the ICM true-up was to be completed in 2015 Q2 after 2014 financial close and the full reconciliation by segment of work completed during the ICM period. Toronto Hydro did advise that expenditures for the 2012-2014 ICM program are forecasted to be within 5% of overall OEB-accepted forecast amounts on a three year basis. The OEB observes that projects under the previous ICM application appear to be advancing as scheduled and reasonably within the forecast costs. However, given the limited information that the panel had before it in this proceeding, it did not form the basis of any findings.

Revenue Requirement

3.6 Rate Base (Issue 5.1)

Background

The OEB must determine whether the rate base component of the revenue requirement for 2015 is appropriate.

¹⁹ Reply Argument, p. 193

²⁰ Ref IR 2B-SIA-15; Ex 1B-T2-S4

4 IMPLEMENTATION

New rates for 2015 are to be effective May 1, 2015 and implemented on March 1, 2016. New rates for 2016 are to be effective January 1, 2016 and implemented on March 1, 2016. Toronto Hydro must calculate a rate rider to be applied to 2016 rates that recovers the revenue that Toronto would have recovered in rates from May 1, 2015 to December 31, 2015 (consistent with the findings in this Decision). Toronto Hydro shall file a schedule showing the calculation of the rate rider and its consistency with the 2015 draft rate order. In addition, Toronto Hydro must calculate a rate rider to be applied to 2016 rates that recovers the revenue that Toronto Hydro would have recovered in rates from January 1, 2016 to February 29, 2016 consistent with the findings in this Decision. Toronto Hydro shall file a schedule showing the calculation of the rate rider and its consistency with the 2016 draft rate order.

As indicated in rate design section of this Decision, the OEB expects that the draft rate orders submitted by Toronto Hydro for 2017, 2018 and 2019 will contain a proposal for the transition to fully fixed residential rates. If applicable, Toronto Hydro must show how it has considered mitigation for low volume customers consistent with approach outlined in section 2.8.13 of Chapter 2 of the OEB's *Filing Requirements for Electricity Distribution Rate Applications (2015 Edition)*.

The rates for 2017, 2018 and 2019 are approved on an interim basis, and the rate order and tariff sheets for those years must indicate this status in the title of the document.

In addition to its findings on the proposed Settlement Agreement, the OEB is making provision for the following three matters to be incorporated into Toronto Hydro's Tariff of Rates and Charges.

Rural or Remote Electricity Rate Protection Charge

The Rural or Remote Electricity Rate Protection (RRRP) program is designed to provide financial assistance to eligible customers located in rural or remote areas where the costs of providing electricity service to these customers greatly exceeds the costs of providing electricity to customers located elsewhere in the province of Ontario. The RRRP program cost is recovered from all electricity customers in the province through a charge that is reviewed annually and approved by the OEB.

Wholesale Market Service Rate

Wholesale market service (WMS) charges recover the cost of the services provided by the Independent Electricity System Operator (IESO) to operate the electricity system and administer the wholesale market. These charges may include costs associated

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

AND IN THE MATTER OF an application by Toronto Hydro-
Electric System Limited for an order approving just and
reasonable rates and other charges for electricity distribution to be
effective May 1, 2015 and for each following year effective
January 1 through to December 31, 2019.

TORONTO HYDRO-ELECTRIC SYSTEM LIMITED

DRAFT RATE ORDER UPDATE

OEB File No. EB-2014-0116

February 29, 2016

1

Table 2 – Annual C_n Factor

	2015	2016	2017	2018	2019
Interest	79.3	87.7	95.4	99.9	104.3
ROE	120.2	133.0	144.7	151.6	158.2
Depreciation	206.0	218.7	242.2	257.7	275.0
PILs/Taxes	25.0	16.9	24.3	40.2	45.7
Capital-related RR	430.5	456.3	506.6	549.4	583.2
OM&A	243.9	247.6	251.3	255.1	258.9
Revenue Offsets	(41.3)	(41.9)	(42.5)	(43.2)	(43.8)
Total RR	633.1	662.0	715.4	761.4	798.3
C_n		4.07	7.60	5.99	4.43

2 The second step of the CPCI calculation is inputting all the CPCI factors and values, as set
3 out in Table 3 below.²¹

4

5

Table 3 – CPCI Factors and Values

	2016	2017	2018	2019
I	2.1	2.1*	2.1*	2.1*
X – Productivity	(0.0)	(0.0)	(0.0)	(0.0)
X – Stretch	(0.6)	(0.6)	(0.6)	(0.6)
C_n	4.07	7.60	5.99	4.43
S_{cap}	68.9	70.8	72.2	73.1
G	(0.3)	(0.3)	(0.3)	(0.3)
CPCI	3.83	7.32*	5.67*	4.10*

²¹ Pursuant to the CIR Decision, the only factors and values in the table below that are subject to change during the CIR Period are the annual inflation factors. The inflation factor will be updated in the annual filings to finalize the 2017-2019 rates. As a result, the annual CPCI value may vary from these interim amounts, as denoted by asterisks in the table.



Ontario Energy Board Commission de l'énergie de l'Ontario

DECISION AND RATE ORDER

EB-2014-0116

TORONTO HYDRO-ELECTRIC SYSTEM LIMITED

Application for electricity distribution rates effective from May 1, 2015 and for each following year effective January 1 through to December 31, 2019

BEFORE: Christine Long
Presiding Member

Ken Quesnelle
Vice Chair and Member

Cathy Spoel
Member

March 1, 2016

INTRODUCTION

Toronto Hydro-Electric System Limited (Toronto Hydro) filed a Custom Incentive Rate (CIR) application (the Application) with the Ontario Energy Board (the OEB) on July 31, 2014 under section 78 of the *Ontario Energy Board Act, 1998*, S.O. 1998 seeking approval for changes to the rates that Toronto Hydro charges for electricity distribution, to be effective May 1, 2015 and each year until December 31, 2019. Commencing in 2016, rates will be effective January 1.

On December 29, 2015, the OEB issued its Decision and Order (the Decision) on the Application. Among other matters, the Decision established dates for Toronto Hydro to file a draft rate order (DRO) reflecting the OEB's findings in the Decision and for OEB staff and intervenors to file comments on the DRO and Toronto Hydro to file responses to any such comments.

On January 22, 2016, Toronto Hydro filed its DRO. On February 5, 2016, OEB staff and intervenors filed their comments on the DRO and on February 12, 2016, Toronto Hydro filed its reply submission.

On February 25, 2016, the OEB issued its Decision on Draft Rate Order. On February 29, 2016, Toronto Hydro filed an updated draft Rate Order attaching updated Tariffs of Rates and Charges reflecting the OEB's findings.

The OEB has reviewed the information provided in support of the updated draft Rate Order, the proposed Tariffs of Rates and Charges and the draft accounting orders. The OEB is satisfied that the Tariffs of Rates and Charges and the draft accounting orders filed accurately reflect the OEB's Decision.

The OEB approves the proposed Tariffs of Rates and Charges for the 2016 to 2019 rate years. The OEB is satisfied that the supporting information reflects the OEB's Decision. The OEB notes that the Tariffs of Rates and Charges for years 2017 to 2019 will need to be adjusted to reflect changes to the OEB's annual inflation factor as well as other potential updates such as the requirement to dispose certain deferral and variance accounts. Toronto Hydro is to file an application to update the proposed Tariff of Rates and Charges for each subsequent rate year during the Custom IR plan term, no later than the deadline for IRM adjustments for distributors with rates effective January 1, which is typically in August each year.



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2015 Filers



Version 5.00

Utility Name	Toronto Hydro-Electric System Limited
Service Territory	
Assigned EB Number	EB-2014-0116
Name and Title	Anthony Lam, Economist - Rates
Phone Number	416 542 2876
Email Address	alam@torontohydro.com

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



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2015 Filers

[1. Info](#)

[2. Table of Contents](#)

[3. Data Input Sheet](#)

[4. Rate Base](#)

[5. Utility Income](#)

[6. Taxes PILs](#)

[7. Cost of Capital](#)

[8. Rev Def Suff](#)

[9. Rev Req](#)

[10. Tracking Sheet](#)

Notes:

- (1) Pale green cells represent inputs
- (2) Pale green boxes at the bottom of each page are for additional notes
- (3) Pale yellow cells represent drop-down lists
- (4) **Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.**
- (5) **Completed versions of the Revenue Requirement Work Form are required to be filed in working Microsoft Excel**



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2015 Filers

Data Input ⁽¹⁾

	Initial Application	(2)		(6)		Per Board Decision
1	Rate Base					
	Gross Fixed Assets (average)	\$5,777,050,247		\$ 5,777,050,247	(\$13,372,060)	\$5,763,678,187
	Accumulated Depreciation (average)	(\$2,771,027,667)	(5)	(\$2,771,027,667)	(\$831,393)	(\$2,771,859,060)
	Allowance for Working Capital:					
	Controllable Expenses	\$269,529,393		\$ 269,529,393	(\$20,667,426)	\$248,861,967
	Cost of Power	\$2,751,934,010		\$ 2,751,934,010	\$ -	\$2,751,934,010
	Working Capital Rate (%)	7.99%	(9)	7.99%	(9)	8.01% (9)
2	Utility Income					
	Operating Revenues:					
	Distribution Revenue at Current Rates	\$554,785,563				\$554,785,563
	Distribution Revenue at Proposed Rates	\$655,005,726				\$638,087,028
	Other Revenue:					
	Specific Service Charges	\$9,877,024				\$9,818,214
	Late Payment Charges	\$4,000,000				\$4,000,000
	Other Distribution Revenue	\$30,677,670				\$25,867,709
	Other Income and Deductions	\$1,540,639				\$1,588,612
	Total Revenue Offsets	\$46,095,333	(7)			\$41,274,534
	Operating Expenses:					
	OM+A Expenses	\$265,067,891	(10)	\$ 265,067,891	(\$20,164,990)	\$244,902,901
	Depreciation/Amortization	\$206,541,033		\$ 206,541,033	(\$517,533)	\$206,023,500
	Property taxes	\$6,461,502		\$ 6,461,502	(\$502,436)	\$5,959,066
	Other expenses					
3	Taxes/PILs					
	Taxable Income:					
		(\$50,950,997)	(3)			(\$47,969,838)
	Adjustments required to arrive at taxable income					
	Utility Income Taxes and Rates:					
	Income taxes (not grossed up)	\$16,214,460				\$16,889,112
	Income taxes (grossed up)	\$22,045,463				\$22,978,384
	Federal tax (%)	15.00%				15.00%
	Provincial tax (%)	11.45%				11.50%
	Income Tax Credits	(\$2,263,000)				(\$2,263,000)
4	Capitalization/Cost of Capital					
	Capital Structure:					
	Long-term debt Capitalization Ratio (%)	56.0%				56.0%
	Short-term debt Capitalization Ratio (%)	4.0%	(8)	(8)		4.0% (8)
	Common Equity Capitalization Ratio (%)	40.0%				40.0%
	Preferred Shares Capitalization Ratio (%)					
		100.0%				100.0%

Cost of Capital

Long-term debt Cost Rate (%)	4.31%				4.28%
Short-term debt Cost Rate (%)	1.38%				1.38%
Common Equity Cost Rate (%)	9.30%				9.30%
Preferred Shares Cost Rate (%)					

Notes:

- General** Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.
- (1) All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)
 - Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I
 - (2) Net of addbacks and deductions to arrive at taxable income.
 - (3) Average of Gross Fixed Assets at beginning and end of the Test Year
 - (4) Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.
 - (5) Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.
 - (6) Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
 - (7) 4.0% unless an Applicant has proposed or been approved for another amount.
 - (8) Starting with 2013, default Working Capital Allowance factor is 13% (of Cost of Power plus controllable expenses). Alternatively, WCA factor based on lead-lag study or approved WCA factor for another distributor, with supporting rationale.
 - (9) Investment tax credits of \$2 million reclass to Taxes/PILs
 - (10)



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2015 Filers

Rate Base and Working Capital

Rate Base									
Line No.	Particulars		Initial Application						Per Board Decision
1	Gross Fixed Assets (average)	(3)	\$5,777,050,247		\$ -		\$5,777,050,247	(\$13,372,060)	\$5,763,678,187
2	Accumulated Depreciation (average)	(3)	(\$2,771,027,667)		\$ -		(\$2,771,027,667)	(\$831,393)	(\$2,771,859,060)
3	Net Fixed Assets (average)	(3)	\$3,006,022,581		\$ -		\$3,006,022,581	(\$14,203,453)	\$2,991,819,128
4	Allowance for Working Capital	(1)	\$241,540,265		\$ -		\$241,540,265	(\$1,048,601)	\$240,491,664
5	Total Rate Base		\$3,247,562,846		\$ -		\$3,247,562,846	(\$15,252,054)	\$3,232,310,792

(1) Allowance for Working Capital - Derivation

6	Controllable Expenses		\$269,529,393	\$ -	\$269,529,393	(\$20,667,426)	\$248,861,967
7	Cost of Power		\$2,751,934,010	\$ -	\$2,751,934,010	\$ -	\$2,751,934,010
8	Working Capital Base		\$3,021,463,403	\$ -	\$3,021,463,403	(\$20,667,426)	\$3,000,795,977
9	Working Capital Rate %	(2)	7.99%	0.00%	7.99%	0.02%	8.01%
10	Working Capital Allowance		\$241,540,265	\$ -	\$241,540,265	(\$1,048,601)	\$240,491,664

Notes

- (2) Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2014 cost of service applications is 13%.
(3) Average of opening and closing balances for the year.



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2015 Filers

Utility Income

Line No.	Particulars	Initial Application						Per Board Decision
	Operating Revenues:							
1	Distribution Revenue (at Proposed Rates)	\$655,005,726	(\$655,005,726)		\$ -		\$638,087,028	\$638,087,028
2	Other Revenue (1)	\$46,095,333	(\$46,095,333)		\$ -		\$41,274,534	\$41,274,534
3	Total Operating Revenues	\$701,101,059	(\$701,101,059)		\$ -		\$679,361,562	\$679,361,562
	Operating Expenses:							
4	OM+A Expenses	\$265,067,891	\$ -		\$265,067,891		(\$20,164,990)	\$244,902,901
5	Depreciation/Amortization	\$206,541,033	\$ -		\$206,541,033		(\$517,533)	\$206,023,500
6	Property taxes	\$6,461,502	\$ -		\$6,461,502		(\$502,436)	\$5,959,066
7	Capital taxes	\$ -	\$ -		\$ -		\$ -	\$ -
8	Other expense	\$ -	\$ -		\$ -		\$ -	\$ -
9	Subtotal (lines 4 to 8)	\$478,070,427	\$ -		\$478,070,427		(\$21,184,960)	\$456,885,467
10	Deemed Interest Expense	\$80,175,832	(\$80,175,832)		\$ -		\$79,255,746	\$79,255,746
11	Total Expenses (lines 9 to 10)	\$558,246,258	(\$80,175,832)		\$478,070,427		\$58,070,786	\$536,141,213
12	Utility income before income taxes	\$142,854,801	(\$620,925,227)		(\$478,070,427)		\$621,290,775	\$143,220,349
13	Income taxes (grossed-up)	\$22,045,463	\$ -		\$22,045,463		\$932,921	\$22,978,384
14	Utility net income	\$120,809,338	(\$620,925,227)		(\$500,115,890)		\$620,357,855	\$120,241,965

Notes

Other Revenues / Revenue Offsets

(1)	Specific Service Charges	\$9,877,024	\$ -	\$9,818,214
	Late Payment Charges	\$4,000,000	\$ -	\$4,000,000
	Other Distribution Revenue	\$30,677,670	\$ -	\$25,867,709
	Other Income and Deductions	\$1,540,639	\$ -	\$1,588,612
	Total Revenue Offsets	\$46,095,333	\$ -	\$41,274,534



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2015 Filers

Taxes/PILs

Line No.	Particulars	Application		Per Board Decision	
<u>Determination of Taxable Income</u>					
1	Utility net income before taxes	\$120,809,338		\$ -	\$120,241,961
2	Adjustments required to arrive at taxable utility income	(\$50,950,997)		\$ -	(\$47,969,838)
3	Taxable income	<u>\$69,858,341</u>		<u>\$ -</u>	<u>\$72,272,123</u>
<u>Calculation of Utility income Taxes</u>					
4	Income taxes	<u>\$16,214,460</u>		<u>\$16,214,460</u>	<u>\$16,889,112</u>
6	Total taxes	<u>\$16,214,460</u>		<u>\$16,214,460</u>	<u>\$16,889,112</u>
7	Gross-up of Income Taxes	<u>\$5,831,003</u>		<u>\$5,831,003</u>	<u>\$6,089,272</u>
8	Grossed-up Income Taxes	<u>\$22,045,463</u>		<u>\$22,045,463</u>	<u>\$22,978,384</u>
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	<u>\$22,045,463</u>		<u>\$22,045,463</u>	<u>\$22,978,384</u>
10	Other tax Credits	(\$2,263,000)		(\$2,263,000)	(\$2,263,000)
<u>Tax Rates</u>					
11	Federal tax (%)	15.00%		15.00%	15.00%
12	Provincial tax (%)	<u>11.45%</u>		<u>11.45%</u>	<u>11.50%</u>
13	Total tax rate (%)	26.45%		26.45%	26.50%

Notes

Capitalization/Cost of Capital

Line No.	Particulars	Capitalization Ratio		Cost Rate	Return
		Initial Application			
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$1,818,635,194	4.31%	\$78,383,177
2	Short-term Debt	4.00%	\$129,902,514	1.38%	\$1,792,655
3	Total Debt	60.00%	\$1,948,537,707	4.11%	\$80,175,832
	Equity				
4	Common Equity	40.00%	\$1,299,025,138	9.30%	\$120,809,338
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$1,299,025,138	9.30%	\$120,809,338
7	Total	100.00%	\$3,247,562,846	6.19%	\$200,985,169
		Per Board Decision			
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	0.00%	\$ -	0.00%	\$ -
2	Short-term Debt	0.00%	\$ -	0.00%	\$ -
3	Total Debt	0.00%	\$ -	0.00%	\$ -
	Equity				
4	Common Equity	0.00%	\$ -	0.00%	\$ -
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	0.00%	\$ -	0.00%	\$ -
7	Total	0.00%	\$3,247,562,846	0.00%	\$ -
		Per Board Decision			
		(%)	(\$)	(%)	(\$)
	Debt				
8	Long-term Debt	56.00%	\$1,810,094,044	4.28%	\$77,471,510
9	Short-term Debt	4.00%	\$129,292,432	1.38%	\$1,784,236
10	Total Debt	60.00%	\$1,939,386,475	4.09%	\$79,255,746
	Equity				
11	Common Equity	40.00%	\$1,292,924,317	9.30%	\$120,241,961
12	Preferred Shares	0.00%	\$ -	0.00%	\$ -
13	Total Equity	40.00%	\$1,292,924,317	9.30%	\$120,241,961
14	Total	100.00%	\$3,232,310,792	6.17%	\$199,497,707

Notes

(1) Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I

		Initial Application				Per Board Decision	
Line No.	Particulars	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1	Revenue Deficiency from Below		\$100,220,163		(\$98,114,817)		\$83,301,463
2	Distribution Revenue	\$554,785,563	\$554,785,563	\$554,785,563	\$753,120,543	\$554,785,563	\$554,785,565
3	Other Operating Revenue Offsets - net	\$46,095,333	\$46,095,333	\$ -	\$ -	\$41,274,534	\$41,274,534
4	Total Revenue	\$600,880,896	\$701,101,059	\$554,785,563	\$655,005,726	\$596,060,097	\$679,361,562
5	Operating Expenses	\$478,070,427	\$478,070,427	\$478,070,427	\$478,070,427	\$456,885,467	\$456,885,467
6	Deemed Interest Expense	\$80,175,832	\$80,175,832	\$ -	\$ -	\$79,255,746	\$79,255,746
8	Total Cost and Expenses	\$558,246,258	\$558,246,258	\$478,070,427	\$478,070,427	\$536,141,213	\$536,141,213
9	Utility Income Before Income Taxes	\$42,634,637	\$142,854,801	\$76,715,136	\$176,935,299	\$59,918,884	\$143,220,349
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$50,950,997)	(\$50,950,997)	(\$50,950,997)	(\$50,950,997)	(\$47,969,838)	(\$47,969,838)
11	Taxable Income	(\$8,316,360)	\$91,903,804	\$25,764,139	\$125,984,302	\$11,949,046	\$95,250,511
12	Income Tax Rate	26.45%	26.45%	26.45%	26.45%	26.50%	26.50%
13	Income Tax on Taxable Income	(\$2,199,669)	\$24,308,463	\$6,814,589	\$33,322,720	\$3,166,497	\$25,241,385
14	Income Tax Credits	(\$2,263,000)	(\$2,263,000)	(\$2,263,000)	(\$2,263,000)	(\$2,263,000)	(\$2,263,000)
15	Utility Net Income	\$47,097,306	\$120,809,338	\$72,163,547	(\$500,115,890)	\$59,015,387	\$120,241,965
16	Utility Rate Base	\$3,247,562,846	\$3,247,562,846	\$3,247,562,846	\$3,247,562,846	\$3,232,310,792	\$3,232,310,792
17	Deemed Equity Portion of Rate Base	\$1,299,025,138	\$1,299,025,138	\$ -	\$ -	\$1,292,924,317	\$1,292,924,317
18	Income/(Equity Portion of Rate Base)	3.63%	9.30%	0.00%	0.00%	4.56%	9.30%
19	Target Return - Equity on Rate Base	9.30%	9.30%	0.00%	0.00%	9.30%	9.30%
20	Deficiency/Sufficiency in Return on Equity	-5.67%	0.00%	0.00%	0.00%	-4.74%	0.00%
21	Indicated Rate of Return	3.92%	6.19%	2.22%	0.00%	4.28%	6.17%
22	Requested Rate of Return on Rate Base	6.19%	6.19%	0.00%	0.00%	6.17%	6.17%
23	Deficiency/Sufficiency in Rate of Return	-2.27%	0.00%	2.22%	0.00%	-1.89%	0.00%
24	Target Return on Equity	\$120,809,338	\$120,809,338	\$ -	\$ -	\$120,241,961	\$120,241,961
25	Revenue Deficiency/(Sufficiency)	\$73,712,032	(\$0)	(\$72,163,547)	\$ -	\$61,226,575	\$3
26	Gross Revenue Deficiency/(Sufficiency)	\$100,220,163 (1)		(\$98,114,817) (1)		\$83,301,463 (1)	

(1) Revenue Deficiency/Sufficiency divided by (1 - Tax Rate)



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2015 Filers

Revenue Requirement

Line No.	Particulars	Application		Per Board Decision	
1	OM&A Expenses	\$265,067,891		\$244,902,901	
2	Amortization/Depreciation	\$206,541,033		\$206,023,500	
3	Property Taxes	\$6,461,502		\$5,959,066	
5	Income Taxes (Grossed up)	\$22,045,463		\$22,978,384	
6	Other Expenses	\$ -			
7	Return				
	Deemed Interest Expense	\$80,175,832	\$ -	\$79,255,746	
	Return on Deemed Equity	\$120,809,338	\$ -	\$120,241,961	
8	Service Revenue Requirement (before Revenues)	<u>\$701,101,059</u>	<u>\$500,115,890</u>	<u>\$679,361,558</u>	
9	Revenue Offsets	\$46,095,333	\$ -	\$41,274,534	
10	Base Revenue Requirement (excluding Transformer Ownership Allowance credit adjustment)	<u>\$655,005,726</u>	<u>\$500,115,890</u>	<u>\$638,087,024</u>	
11	Distribution revenue	\$655,005,726	\$ -	\$638,087,028	
12	Other revenue	\$46,095,333	\$ -	\$41,274,534	
13	Total revenue	<u>\$701,101,059</u>	<u>\$ -</u>	<u>\$679,361,562</u>	
14	Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)	<u>(\$0) (1)</u>	<u>(\$500,115,890) (1)</u>	<u>\$3 (1)</u>	

Notes

(1) Line 11 - Line 8



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2015 Filers

Tracking Form

The last row shown is the most current estimate of the cost of service data reflecting the original application and any updates provided by the applicant distributor (for updated evidence, responses to interrogatories, undertakings, etc.)

Please ensure a Reference (Column B) and/or Item Description (Column C) is entered. Please note that unused rows will automatically be hidden and the PRINT AREA set when the PRINT BUTTON on Sheet 1 is activated.

⁽¹⁾ Short reference to evidence material (Interrogatory response, undertaking, exhibit number, Board Decision, Code, Guideline, Report of the Board, etc.)

⁽²⁾ Short description of change, issue, etc.

60 Tracking Rows have been provided below. If you require more, please contact Industry Relations @ IndustryRelations@ontarioenergyboard.ca.

Summary of Proposed Changes

Reference ⁽¹⁾	Item / Description ⁽²⁾	Cost of Capital		Rate Base and Capital Expenditures			Operating Expenses			Revenue Requirement			
		Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Base Revenue Requirement	Grossed up Revenue Deficiency / Sufficiency
	Original Application	\$ 200,985,169	6.19%	\$3,247,562,846	\$3,021,463,403	\$ 241,540,265	\$ 206,541,033	\$ 22,045,463	\$ 265,067,891	\$ 701,101,059	\$ 46,095,333	\$ 655,005,726	#####
1 OEB Decision	As per Decision	\$ 199,497,707	6.17%	\$3,232,310,792	\$3,000,795,977	\$ 240,491,664	\$ 206,023,500	\$ 22,978,384	\$ 244,902,901	\$ 679,361,562	\$ 41,274,534	\$ 638,087,028	\$ 83,301,463

GA Analysis Workform

Update from July 20th Workform version:
-Cells C87, D87, E87, H87 - name of cells updated for cell reference
-Cells F88 to F91 and G88 to G91 - formula of

Account 1589 Global Adjustment (GA) Analysis Workform

Input cells **2016**
Drop down cells

Note 1 **Year(s) Requested for Disposition** **2016**

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

Year		2016		
Total Metered excluding WMP	C = A+B	24,549,973,687	kWh	100%
RPP	A	10,124,331,850	kWh	41.2%
Non RPP	B = D+E	14,425,641,837	kWh	58.8%
Non-RPP Class A	D	2,639,231,047	kWh	10.8%
Non-RPP Class B*	E	11,786,410,790	kWh	48.0%

*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**

GA Billing Rate Description

All non-RPP Class B customers are billed on the first GA estimate. The billing cycle is on a calendar month basis for all customers. Consumption for each billing cycle is billed in the subsequent month.

Note 4 Analysis of Expected GA Amount

Year	2016								
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	984,613,177	1,034,376,264	1,087,547,047	1,037,783,960	0.08423	\$ 87,412,543	0.09179	\$ 95,258,190	\$ 7,845,647
February	990,892,251	1,087,547,047	1,025,194,232	928,539,436	0.10384	\$ 96,419,535	0.09851	\$ 91,470,420	-\$ 4,949,115
March	984,650,477	1,025,194,232	1,087,364,848	1,046,821,093	0.09022	\$ 94,444,199	0.10610	\$ 111,067,718	\$ 16,623,519
April	1,021,524,911	1,087,364,848	995,285,128	929,445,191	0.12115	\$ 112,602,285	0.11132	\$ 103,465,839	-\$ 9,136,446
May	968,198,480	995,285,128	967,806,590	940,719,942	0.10405	\$ 97,881,910	0.10749	\$ 101,117,987	\$ 3,236,077
June	959,435,412	967,806,590	930,246,850	921,875,672	0.11650	\$ 107,398,516	0.09545	\$ 87,993,033	-\$ 19,405,483
July	1,006,272,145	930,246,850	1,029,841,863	1,105,867,159	0.07667	\$ 84,786,835	0.08306	\$ 91,853,326	\$ 7,066,491
August	1,129,230,101	1,029,841,863	1,106,199,824	1,205,588,062	0.08569	\$ 103,306,841	0.07103	\$ 85,632,920	-\$ 17,673,921
September	1,164,887,800	1,106,199,824	1,106,080,022	1,164,767,998	0.07060	\$ 82,232,621	0.09531	\$ 111,014,038	\$ 28,781,417
October	1,030,576,603	1,106,080,022	1,062,985,176	987,481,757	0.09720	\$ 95,983,227	0.11226	\$ 110,854,702	\$ 14,871,475
November	982,563,773	1,062,985,176	1,062,985,176	982,563,773	0.12271	\$ 120,570,401	0.11109	\$ 109,153,010	-\$ 11,417,391
December	938,525,542	1,062,985,176	1,050,384,095	925,924,461	0.10594	\$ 98,092,437	0.08708	\$ 80,629,502	-\$ 17,462,935
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	12,161,370,672	12,495,913,020	12,511,920,851	12,177,378,503		\$ 1,181,131,349		\$ 1,179,510,683	-\$ 1,620,666

Note 5 **Reconciling Items**

	Item	Applicability of Reconciling Item (Y/N)	Amount (Quantify if it is a significant reconciling item)	Explanation
Net Change in Principal Balance in the GL (i.e. Transactions in the Year)			-\$ 13,283,671	
1a	Remove impacts to GA from prior year RPP Settlement true up process that are booked in current year	N	\$ -	Not applicable as Toronto Hydro ("TH") records the true-up RPP settlement amounts with the IESO on a quarterly basis. The RPP amounts for 2016 are based on the actual IESO invoice amounts.
1b	Add impacts to GA from current year RPP Settlement true up process that are booked in subsequent year	N	\$ -	Not applicable as Toronto Hydro ("TH") records the true-up RPP settlement amounts with the IESO on a quarterly basis. The RPP amounts for 2016 are based on the actual IESO invoice amounts.
2a	Remove prior year end unbilled to actual revenue differences	N	\$ -	Refer to 2 (b) explanation below for comparison of 2016 revenues.
2b	Add current year end unbilled to actual revenue differences	Y	\$ 1,750,238	Actualized 2016 Class B Customers revenue were lower than 2016 recorded revenue and therefore should be a debit in the current year.
3a	Remove difference between prior year accrual to forecast from long term load transfers	N	\$ -	Not applicable.
3b	Add difference between current year accrual to forecast from long term load transfers	N	\$ -	Not applicable
4	Remove GA balances pertaining to Class A customers	Y	-\$ 490,392	Due to timing differences between Class A GA charges from the IESO and billings to Class A customers, an amount of \$490,392 are included in the RSVA account pertaining to Class A Customers.
5	Significant prior period billing adjustments included in current year GL balance but would not be included in the billing consumption used in the GA Analysis	N	\$ -	There are no significant billing adjustments in 2016 or 2017.
6	Differences in GA IESO posted rate and rate charged on IESO invoice	N	\$ -	Not applicable
7	Difference in revenue recorded due to cyclical billing of Class B customers	Y	\$ 7,103,048	Due to the cyclical billing of Class B Customers, the revenue recorded for 2016 as per the GL is higher than the revenue calculated above based on monthly consumption at monthly GA Rate billed.
8				
9				
10				

Note 6	Adjusted Net Change in Principal Balance in the GL	-\$ 4,920,777
	Net Change in Expected GA Balance in the Year Per Analysis	-\$ 1,620,666
	Unresolved Difference	-\$ 3,300,111
	Unresolved Difference as % of Expected GA Payments to IESO	-0.3%

Note 7 **Summary of GA (if multiple years requested for disposition)**

Year	Annual Net Change in Expected GA Balance from GA Analysis (cell K59)	Net Change in Principal Balance in the GL (cell D65)	Reconciling Items (sum of cells D66 to D78)	Adjusted Net Change in Principal Balance in the GL	Unresolved Difference	Payments to IESO (cell J59)	Unresolved Difference as % of Expected GA Payments to IESO
2016	-\$ 1,620,666	-\$ 13,283,671	\$ 8,362,894	-\$ 4,920,777	-\$ 3,300,111	\$ 1,179,510,683	-0.3%
				\$ -	\$ -		0.0%
				\$ -	\$ -		0.0%
				\$ -	\$ -		0.0%
Cumulative Balance	-\$ 1,620,666	-\$ 13,283,671	\$ 8,362,894	-\$ 4,920,777	-\$ 3,300,111	\$ 1,179,510,683.37	N/A

Additional Notes and Comments



Ontario Energy Board

Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) Work Form

Version 2.0 (2017)

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).

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Ontario Energy Board

LRAMVA Work Form: Instructions

Version 2.0 (2017)

Tab	Instructions
LRAMVA Checklist/Schematic Tab	<p>The LRAMVA work form was created in a generic manner for use by all LDCs. There are some elements that are not applicable at this time (i.e., 2017, 2018, 2019 and 2020 related components) but have been included in an effort to avoid major updates in the future. Distributors should follow the checklist, which is referenced in this tab of the work form and listed below:</p> <ul style="list-style-type: none"> 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)	<p>Distributors should complete the lost revenue calculation for 2011-2014 program years and 2015-2020 program years, as applicable, by undertaking the following:</p> <ul style="list-style-type: none"> o Input or manually link the savings, adjustments and program savings persistence data from Tab 7 (Persistence <u>Report</u>) to Tabs 4 and 5. As noted earlier, persistence data is available upon request from the IESO.

	<ul style="list-style-type: none"> 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 <u>of each</u> 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).



Ontario Energy Board

LRAMVA Work Form: Checklist and Schematic

Version 2.0 (2017)

General Note on the LRAMVA Model

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

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

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

Legend

Drop Down List (Blue)

Important Checklist

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

Work Form Calculations	Source of Calculation	Inputs (Tables to Complete)	Source of Data Inputs	Outputs of Data (Auto-Populated)
Actual Incremental CDM Savings by Initiative	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns D & O)	IESO Verified Persistence Results Reports included in Tab 7 (Columns L to BT).	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
+/- IESO Verified Savings Adjustments	Tab "4. 2011-2014 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns D-M & Columns O-X)	IESO Verified Persistence Results Reports included in Tab 7 (Columns L to BT).	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
+ Initiative Level Savings Persistence	Tab "4. 2011-2014 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns E-M & Columns P-X)	IESO Verified Persistence Results Reports included in Tab 7 (Columns L to BT).	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
<u>x Allocation % to Rate Class</u>	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AJ)	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		
<u>x Distribution Rate by Rate Class</u>	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
<u>+ Carrying Charges (\$) by Rate Class</u>	Tabs "1. LRAMVA Summary" and "6. Carrying Charges"	Table 6		Table 6-a
Total LRAMVA (\$) by Rate Class	Tab "1. LRAMVA Summary"			



Ontario Energy Board

LRAMVA Work Form: Summary Tab

Version 2.0 (2017)

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-2016-0254
Application of Previous LRAMVA Claim	2017 COS/IRM Application
Period of LRAMVA Claimed in Previous Application	2014
Amount of LRAMVA Claimed in Previous Application	\$ 4,950,070.56

B. Current LRAMVA Application

Current LRAMVA Application (EB#)		EB-2017-0077	
Application of Current LRAMVA Claim		2018 COS/IRM Application	
Period of New LRAMVA in this Application		2015-2016	
Actual Lost Revenues (\$)	A	\$	12,086,788
Forecast Lost Revenues (\$)	B	\$	5,639,626
Carrying Charges (\$)	C	\$	115,358
LRAMVA (\$) for Account 1568	A-B+C	\$	6,562,519

C. Documentation of Changes

Original Amount	
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.

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

Customer Class	Billing Unit	Principal (\$)	Carrying Charges (\$)	Total LRAMVA (\$)
Residential	kWh	\$1,987,281	\$34,022	\$2,021,303
Competitive Sector Multi-Unit Residential Service	kWh	\$152,397	\$2,665	\$155,062
GS <50kW	kWh	-\$437,137	-\$10,295	-\$447,432
GS 50-999kW	kW	\$2,215,596	\$39,438	\$2,255,034
GS 1000-4999kW	kW	\$1,105,772	\$21,126	\$1,126,898
Large Use	kW	\$1,423,253	\$28,402	\$1,451,655
Total		\$6,447,161	\$115,358	\$6,562,519

Note: Toronto Hydro's billing units for GS demand-billed customers are kVA's and not kW's

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.

Depending on the period of LRAMVA to be claimed, LDCs are expected to adjust the totals for carrying charges in row 82 of Table 1-b and the years included in the LRAMVA balance in row 83, as appropriate.

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	
2015 Actuals	<input type="checkbox"/>	\$465,133.78	\$29,301.26	\$573,678.53	\$1,321,251.57	\$513,314.85	\$715,054.58	\$0.00	\$0.00	\$0.00	\$3,617,734.57
2015 Forecast		(\$271,679.53)	(\$9,418.21)	(\$870,009.58)	(\$969,494.40)	(\$207,526.86)	(\$212,152.29)	\$0.00	\$0.00	\$0.00	(\$2,540,280.88)
Amount Cleared											
2016 Actuals		\$2,115,431.62	\$142,701.11	\$943,295.70	\$3,041,514.15	\$1,049,237.13	\$1,176,873.30	\$0.00	\$0.00	\$0.00	\$8,469,053.02
2016 Forecast		(\$321,605.06)	(\$10,187.48)	(\$1,084,101.66)	(\$1,177,675.53)	(\$249,253.12)	(\$256,522.75)	\$0.00	\$0.00	\$0.00	(\$3,099,345.60)
Amount Cleared											
Carrying Charges		\$34,022.21	\$2,664.94	(\$10,294.89)	\$39,438.29	\$21,125.66	\$28,402.04	\$0.00	\$0.00	\$0.00	\$115,358.25
Total LRAMVA Balance		\$2,021,303	\$155,062	-\$447,432	\$2,255,034	\$1,126,898	\$1,451,655	\$0	\$0	\$0	\$6,562,519

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



Ontario Energy Board

LRAMVA Work Form: Summary of Changes

Version 2.0 (2017)

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; use of a different LRAMVA threshold; etc. All important changes should be highlighted in the work form as well.

No.	Tab	Cell Reference	Description	Rationale
1	3. Distribution Rates	J23:J23, J30:J30 J37:J37	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 Hydro.	To align programs with those delivered by THESL
3	5. 2015-2020 LRAM	N114,N115,N276,N277	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 accounts greater than 50 kW, the demand multiplier was changed to 12 months.
4	5. 2015-2020 LRAM	AB182:AD182, AB184:AD184, AB344:AD345, AB347:AD347	Edited formula for Conversion from kilowatts (kW) to kilovolt-amperes (kVA) for Toronto Hydro customers that are billed on peak demand.	Toronto Hydro's billing units for GS demand-billed customers are kVA's. Toronto Hydro requires a manual input to convert kW to kVA for customer classes that are billed on Peak demand. The power factors are used to convert peak demand and only then the distribution rates are applied to compute "Lost Revenues".
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.				



Ontario Energy Board

LRAMVA Work Form: Forecast Lost Revenues

Version 2.0 (2017)

Legend

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

Table 2-a. LRAMVA Threshold

2015

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

	Total	Residential	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				155,436.49	42,036.59	40,556.14								
Summary		17,641,528.12	359,473.50	37,892,403.44	155,436.49	42,036.59	40,556.14	0	0	0	0	0	0	0	0

Basis of Threshold

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								
		kWh	kWh	kWh	kW	kW	kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	2015	17,641,528	359,473	37,892,403	155,436	42,037	40,556	0	0	0	0	0	0	0	0
2016	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

	Billing Unit	EB-2009-XXXX	EB-2010-XXXX	EB-2011-XXXX	EB-2012-XXXX	EB-2013-0287	EB-2013-0287	EB-2014-0116	EB-2016-XXXX	EB-2017-XXXX	EB-2018-XXXX	EB-2019-XXXX	EB-2020-XXXX
Rate Year		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Period 1 (# months)						12	4	2					
Period 2 (# months)		12	12	12	12	0	8	10	12	12	12	12	12
Residential						\$ 0.01538	\$ 0.01538	\$ 0.01880					
Rate rider for tax sharing	kWh												
Rate rider for foregone revenue 1						\$ 0.00005							
Rate rider for foregone revenue 2													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ 0.01543	\$ 0.01538	\$ 0.01880	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.01540	\$ 0.01823	\$ -	\$ -	\$ -	\$ -	\$ -
Competitive Sector Multi-Unit Residential Service						\$ 0.02617	\$ 0.02617	\$ 0.02877					
Rate rider for tax sharing	kWh												
Rate rider for foregone revenue 1						\$ 0.00009							
Rate rider for foregone revenue 2													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ 0.02626	\$ 0.02617	\$ 0.02877	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.02620	\$ 0.02834	\$ -	\$ -	\$ -	\$ -	\$ -
GS <50kW						\$ 0.02293	\$ 0.02293	\$ 0.02818					
Rate rider for tax sharing													
Rate rider for foregone revenue 1						\$ 0.00008		\$ 0.00076					
Rate rider for foregone revenue 2								\$ 0.00024					
Rate Rider for Recovery of the Gain on the Sale of a Qualified Small Business Investment								\$ 0.00013					
Rate Rider for Disposition of PILS and Tax Exempt Bonds								\$ 0.00009					
Rate Rider for Recovery of Hydro One Capital Costs								\$ 0.00003					
Rate Rider for Application of IFRS – 2014								\$ 0.00049					
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ 0.02301	\$ 0.02293	\$ 0.02974	\$ -	\$ -	\$ -	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.02296	\$ 0.02861	\$ -	\$ -	\$ -	\$ -	\$ -

29	GS 50-999kW						\$ 5.7116	\$ 5.7116	\$ 6.8970					
30	Rate rider for tax sharing													
31	Rate rider for foregone revenue 1						\$ 0.0202		\$ 0.1659					
32	Rate rider for foregone revenue 2								\$ 0.0498					
33	Rate Rider for Recovery of the Gain on th								\$ 0.0114					
34	Rate Rider for Disposition of PILS and Ta								-\$ 0.0138					
35	Rate Rider for Recovery of Hydro One Ca								\$ 0.0047					
36	Rate Rider for Application of IFRS – 2014								\$ 0.0781					
37	Adjusted rate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5.7318	\$ 5.7116	\$ 7.1931	\$ -	\$ -	\$ -	\$ -	\$ -
38	Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5.7183	\$ 6.9462	\$ -	\$ -	\$ -	\$ -	\$ -
39														
40	GS 1000-4999kW						\$ 4.5419	\$ 4.5419	\$ 5.4262					
41	Rate rider for tax sharing													
42	Rate rider for foregone revenue 1						\$ 0.0161		\$ 0.1226					
43	Rate rider for foregone revenue 2								\$ 0.0356					
44	Rate Rider for Recovery of the Gain on th								\$ 0.0056					
45	Rate Rider for Disposition of PILS and Ta								-\$ 0.0110					
46	Rate Rider for Recovery of Hydro One Ca								\$ 0.0038					
47	Rate Rider for Application of IFRS – 2014								\$ 0.0627					
48	Adjusted rate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4.5580	\$ 4.5419	\$ 5.6455	\$ -	\$ -	\$ -	\$ -	\$ -
49	Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4.5473	\$ 5.4616	\$ -	\$ -	\$ -	\$ -	\$ -
50														
51	Large Use						\$ 4.8388	\$ 4.8388	\$ 5.8210					
52	Rate rider for tax sharing													
53	Rate rider for foregone revenue 1						\$ 0.0172		\$ 0.1382					
54	Rate rider for foregone revenue 2								\$ 0.0406					
55	Rate Rider for Recovery of the Gain on th								\$ 0.0044					
56	Rate Rider for Disposition of PILS and Ta								-\$ 0.0114					
57	Rate Rider for Recovery of Hydro One Ca								\$ 0.0039					
58	Rate Rider for Application of IFRS – 2014								\$ 0.0648					
59	Adjusted rate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4.8560	\$ 4.8388	\$ 6.0615	\$ -	\$ -	\$ -	\$ -	\$ -
60	Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4.8445	\$ 5.8577	\$ -	\$ -	\$ -	\$ -	\$ -

Note: Rows 23, 30, and 41 are adjusted to reflect 5 decimal places. Distribution rates \$/kWh - 5 decimal places

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. As such, 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	\$0.01540	\$0.02620	\$0.02296	\$5.7183	\$4.5473	\$4.8445	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2016	\$0.01823	\$0.02834	\$0.02861	\$6.9462	\$5.4616	\$5.8577	\$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 2.0 (2017)

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.

Program	Framework	2015												2016											
		Residential		CSMUR		GS<50 kW		GS 50-999kW		GS 1000-4999kW		Large Use		Residential		CSMUR		GS<50 kW		GS 50-999kW		GS 1000-4999kW		Large Use	
		kW	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	95%	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%	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%	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	60%	60%	0%	0%	26%	26%	14%	14%	0%	0%	0%	0%	79%	79%	0%	0%	11%	11%	10%	10%	0%	0%	0%	0%
Save on Energy Audit Funding Program	2015-2020	0%	0%	0%	0%	4%	4%	66%	66%	24%	24%	6%	6%	0%	0%	0%	0%	7%	7%	72%	72%	13%	13%	8%	8%
Save on Energy Retrofit Program	2015-2020	0%	0%	0%	0%	10%	8%	45%	47%	26%	26%	18%	19%	0%	0%	0%	0%	7%	5%	53%	49%	24%	32%	16%	13%
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%	1%	0%	45%	45%	6%	2%	48%	52%	0%	0%	0%	0%	0%	0%	95%	92%	0%	2%	5%	6%
Save on Energy Existing Building Commissioning Program	2015-2020													0%	0%	0%	0%	0%	0%	32%	16%	13%	17%	54%	67%
Save on Energy Process & Systems Upgrades Program	2015-2020													0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	
Save on Energy Energy Manager Program	2015-2020													0%	0%	0%	0%	1%	0%	32%	16%	13%	17%	54%	67%
Save on Energy Monitoring & Targeting Program	2015-2020																								
Adaptive Thermostat Local Program	2015-2020																								
Business Refrigeration Incentives 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%
THESL Swimming Pool Efficiency Local Program	2015-2020																								
Direct Install - Hydronic Pilot Program	2015-2020	0%	0%	0%	0%	0%	0%	84%	84%	16%	16%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
Direct Install - RTU Controls Pilot Program	2015-2020													0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
Electronics Takeback Pilot Program	2015-2020													100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
P4P for Class B Office Pilot Program	2015-2020													0%	0%	0%	0%	0%	0%	51%	51%	49%	49%	0%	0%
Truckload Event Pilot Program	2015-2020													95%	95%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%
EnerNOC Conservation Fund Pilot Program	CF	0%	0%	0%	0%	0%	0%	0%	44%	0%	56%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program	CF													100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Loblaws 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%	8%	45%	47%	26%	26%	18%	19%												
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%												

Note: Cells highlighted in blue above represent programs/rate classes where savings are not applicable.

2015-2016 LRAMVA Claim: Rate Class Savings Allocation Details

Program	Data Source	Rate Class Allocation Methodology
Retrofit Program	Customer Relationship Management (CRM) Database & Internal Customer Segmentation Data	The account number and corresponding rate class assignment was identified for projects completed in 2015 and 2016. Over 99% of the 2015-2016 savings are successfully matched to an account and rate class.

High Performance New Construction/New Construction and Major Renovation Initiative	CRM & Internal Customer Segmentation Data	The account number and corresponding rate class assignment was identified for projects completed in 2015 and 2016. Over 95% of the 2015-2016 savings are successfully matched to an account and rate class.
Audit Funding Program	CRM & Internal Customer Segmentation Data	The account number and corresponding rate class assignment was identified for projects completed in 2015 and 2016. Over 90% of the 2015-2016 savings are successfully matched to an account and rate class.
PUMPSaver Local Program	CRM & Internal Customer Segmentation Data	The account number and corresponding rate class assignment was identified for projects completed in 2016. 100% of 2016 savings are successfully matched to an account and rate class.
Existing Building Commissioning Program	IESO 2015 Preliminary Projects List & Internal Customer Segmentation Data	The account number and corresponding rate class assignment was identified for all projects in the IESO's 2015 Preliminary Projects List. 100% of savings are successfully matched to an account and rate class.
Program & Systems Upgrades Program	IESO 2015 and 2016 Preliminary Projects List & Internal Customer Segmentation Data	The account number and corresponding rate class assignment was identified for the two projects in the IESO's 2015 and 2016 Preliminary Projects List. 100% of savings are successfully matched to an account and rate class.
Energy Manager Program	IESO 2015 and 2016 Preliminary Projects List & Segmentation Data	The account number and corresponding rate class assignment was identified for all projects in the IESO's 2015 and 2016 Preliminary Projects List. 100% of savings are successfully matched to an account and rate class.
Program Enabled Savings	CRM & Internal Customer Segmentation Data	The account number and corresponding rate class assignment was identified for all approved projects. 100% of savings are successfully matched to an account and rate class.
Direct Install Lighting & Water Heating/Small Business Lighting	Vendor Data & Segmentation Data	The account number and corresponding rate class assignment was identified for all approved projects. 100% of savings are successfully matched to an account and rate class.
EnerNoc Conservation Fund Pilot	Pilot Participant Data provided by IESO & Internal Customer Segmentation Data	A pilot participant list was provided by IESO. The account number and corresponding rate class assignment was identified for each participant and the savings were allocated accordingly. 100% of savings are successfully matched to an account and rate class.

Loblaw P4P Conservation Fund Pilot	Pilot Participant Data for IESO & Segmentation Data	<p>A pilot participant list was provided by IESO. The account number and corresponding rate class assignment was identified for each participant and the savings were allocated accordingly.</p> <p>100% of savings are successfully matched to an account and rate class.</p>
Direct Install - Hydronic Pilot Program	Pilot Participant Data & Internal Customer Segmentation Data	<p>The account number and corresponding rate class assignment for each pilot participant was identified.</p> <p>100% of savings are successfully matched to an account and rate class.</p>
P4P for Class B Office Pilot	Pilot Participant Data & Internal Customer Segmentation Data	<p>The account number and corresponding rate class assignment for each pilot participant was identified.</p> <p>100% of savings are successfully matched to an account and rate class.</p>
Direct Install - RTU Controls Pilot Program	Pilot Participant Data & Internal Customer Segmentation Data	<p>The account number and corresponding rate class assignment for each pilot participant was identified.</p> <p>100% of savings are successfully matched to an account and rate class.</p>
Strategic Energy Group Pilot	Pilot Participant Data for IESO & Segmentation Data	<p>A pilot participant list was provided by IESO. The account number and corresponding rate class assignment was identified for each participant and the savings are allocated accordingly.</p> <p>100% of savings are successfully matched to an account and rate class.</p>
Residential New Construction and Major Renovation Initiative	Participant Data	100% of projects were completed by the Residential rate class.
Coupon Program/Bi-Annual Retailer Event Initiative	Toronto Hydro assumptions	<p>Toronto Hydro mainly markets the Coupon Program to single-family households, so it is assumed that a larger proportion of the program's performance would be attributable to the Residential rate class. Furthermore, a smaller portion is also allocated to Competitive sector Multi-Unit Residential Class (CSMUR). Since CSMUR condominium units tend to have fewer plug loads than typical Residential households.</p> <p>IESO studies have shown lower uptake amongst renters and MURB residents which supports this claim. At this time, Toronto Hydro is not aware of any existing studies which have performed an in-depth examination of the market penetration of the Coupon Program by housing type.</p>
Heating & Cooling Program	Participant Data	~100% of projects were completed by the Residential rate class.

Home Assistance Program	Vendor Data & Assumptions	The rate class allocation of savings for this program presents a challenge as much of the project-level data does not match with internal customer segmentation data (eg. missing account numbers, addresses that did not match, etc.). However, each project contains a "Dwelling-Type" assignment, and assumptions of rate class are developed based on comparing this information against a sample of building types from our internal customer segmentation data. For example, all single family households are assigned to Residential, portions of townhouse complexes and other low-rise multi-family are allocated to both Residential and General Service rate classes, while high-rise multi-family projects are assigned to various the General Service rate classes based on sample distributions from our internal data.
Truckload Program Pilot	Toronto Hydro assumptions	The Truckload Program Pilot is a delivery variation of the Coupon Program, therefore, the same assumptions are applied for the rate class allocation of savings.
Appliance Retirement Initiative	Toronto Hydro assumptions	In lieu of project-level data, and due to the fact that this program targets large appliances of considerable vintage, it is assumed that participation is limited to single-family Residential and the Residential rate class.
Electronics Takeback Pilot	Toronto Hydro assumptions	As the pilot was delivered at the "Home and Garden Show," it is assumed that all attendees would be homeowners within the Residential rate class.



Ontario Energy Board

LRAMVA Work Form: 2015 - 2020 Lost Revenues Work Form

Legend

User Inputs (Green)

Auto Populated Cells (White)

Instructions (Grey)

Instructions

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

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

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

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

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

Tables

[Table 5-a. 2015 Lost Revenues](#)

[Table 5-b. 2016 Lost Revenues](#)

[Table 5-c. 2017 Lost Revenues](#)

[Table 5-d. 2018 Lost Revenues](#)

[Table 5-e. 2019 Lost Revenues](#)

[Table 5-f. 2020 Lost Revenues](#)

Table 5-a. 2015 Lost Revenues Work Form

	Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence	Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings	Rate Allocations for LRAMVA						
			2015	2016		2015	2016	Residential	Competitive Sector Multi-Unit Residential Service	GS <50kW	GS 50-999kW	GS 1000-4999kW	Large Use	Total
Legacy Framework														
Residential Program														
								kWh	kWh	kWh	kW	kW	kW	
1	Coupon Initiative	Verified	2,259,307	2,241,912		144	143	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%	100%
	Adjustment to 2015 savings	True-up	276,468	274,563		17	17	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%	
2	Bi-Annual Retailer Event Initiative	Verified	4,242,771	4,096,716		315	306	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%	100%
	Adjustment to 2015 savings	True-up	0	0		0	0	95.00%	5.00%	0.00%	0.00%	0.00%	0.00%	
3	Appliance Retirement Initiative	Verified	315,844	315,844		50	50	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
	Adjustment to 2015 savings	True-up	0	0		0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
4	HVAC Incentives Initiative	Verified	3,324,661	3,324,661		1,730	1,730	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
	Adjustment to 2015 savings	True-up	74,313	74,313		38	38	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
5	Residential New Construction and Major	Verified	0	0		0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
	Adjustment to 2015 savings	True-up	0	0		0	0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Commercial & Institutional Program														
6	Energy Audit Initiative	Verified	4,229,721	4,229,721	12	902	902	0.00%	0.00%	4.00%	66.40%	24.00%	5.60%	100%
	Adjustment to 2015 savings	True-up	2,775,299	2,775,299	12	591	591	0.00%	0.00%	4.00%	66.40%	24.00%	5.60%	
7	Efficiency: Equipment Replacement	Verified	144,998,266	144,998,266	12	21,487	21,487	0.00%	0.00%	7.55%	45.10%	26.12%	18.34%	97%
	Incentive Initiative	True-up	15,778,202	15,766,691	12	2,679	2,675	0.00%	0.00%	7.55%	45.10%	26.12%	18.34%	
8	Direct Install Lighting and Water Heating	Verified	9,534,129	8,635,489	12	2,198	2,005	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	100%
	Initiative	True-up	0	0	12	0	0	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	
9	New Construction and Major Renovation	Verified	5,139,438	5,139,438	12	1,596	1,596	0.00%	0.00%	0.28%	45.13%	5.99%	48.36%	100%
	Initiative	True-up	20,332,548	20,332,548	12	5,499	5,499	0.00%	0.00%	0.28%	45.13%	5.99%	48.36%	
10	Existing Building Commissioning Incentive	Verified	278,667	278,667	3	147	147	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	100%
	Initiative	True-up	243,087	243,087	3	74	74	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
11	Process and Systems Upgrades Initiatives -	Verified	0	0	12	0	0	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	100%
	Project Incentive Initiative	True-up	5,326,500	5,326,500	12	0	0	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	
12	Process and Systems Upgrades Initiatives -	Verified	0	0	12	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Monitoring and Targeting Initiative	True-up	0	0	12	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
13	Process and Systems Upgrades Initiatives -	Verified	8,278,171	5,798,837	12	2,711	1,899	0.00%	0.00%	0.46%	3.14%	1.65%	95.22%	100%
	Energy Manager Initiative	True-up	125,317	125,317	12	0	0	0.00%	0.00%	0.46%	3.14%	1.65%	95.22%	
Low Income Program														
14	Low Income Initiative	Verified	1,664,203	1,344,143	12	148	132	60.00%	0.00%	26.00%	14.00%	0.00%	0.00%	100%
	Adjustment to 2015 savings	True-up	15,871	15,220	12	3	3	60.00%	0.00%	26.00%	14.00%	0.00%	0.00%	
Other														
15	Aboriginal Conservation Program	Verified	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2015 savings	True-up	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

	Adjustment to 2015 savings	True-up	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
34	Business Refrigeration Incentives Local Program	Verified	0	0	12	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2015 savings	True-up	0	0	12	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	
35	OPSaver Local Program	Verified	0	0	12	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2015 savings	True-up	0	0	12	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	
36	PUMPSaver Local Program	Verified	0	0	12	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2015 savings	True-up	0	0	12	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	
37	THESL Swimming Pool Efficiency Local Program	Verified	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2015 savings	True-up	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	
Pilot Programs													
38	Direct Install - Hydronic Pilot Program	Verified	0	0	12	0	0	0.00%	0.00%	0.00%	83.82%	16.18%	100%
	Adjustment to 2015 savings	True-up	667,979	667,979	12	68	68	0.00%	0.00%	0.00%	83.82%	16.18%	
39	Direct Install - RTU Controls Pilot Program	Verified	0	0	12	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2015 savings	True-up	0	0	12	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	
40	Electronics Takeback Pilot Program	Verified	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2015 savings	True-up	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	
41	Truckload Event Pilot Program	Verified	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2015 savings	True-up	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	
42	P4P for Class B Office Pilot Program	Verified	0	0	12	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2015 savings	True-up	0	0	12	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	
Actual CDM Savings in 2015			287,547,985			48,742		30,203,492	1,118,369	24,985,999	211,833	103,977	136,694
Forecast CDM Savings in 2015								17,641,528	359,473	37,892,403	155,436	42,037	40,556
Distribution Rate in 2015								\$0.01540	\$0.02620	\$0.02296	\$5.71830	\$4.54730	\$4.84450
Lost Revenue in 2015 from 2011 programs								\$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
Lost Revenue in 2015 from 2013 programs								\$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
Lost Revenue in 2015 from 2015 programs								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Lost Revenues in 2015								\$465,133.78	\$29,301.26	\$573,678.53	\$1,321,251.57	\$513,314.85	\$715,054.58
Forecast Lost Revenues in 2015								\$465,133.78	\$29,301.26	\$573,678.53	\$1,321,251.57	\$513,314.85	\$715,054.58
LRAMVA in 2015								\$271,679.53	\$9,418.21	\$870,009.58	\$969,494.40	\$207,526.86	\$212,152.29
													\$3,617,734.57
													\$2,540,280.88
													\$1,077,453.69
2015 Savings Persisting in 2016								29,727,792	1,103,654	23,984,693	211,352	100,204	127,356
2015 Savings Persisting in 2017								0	0	0	0	0	0
2015 Savings Persisting in 2018								0	0	0	0	0	0
2015 Savings Persisting in 2019								0	0	0	0	0	0
2015 Savings Persisting in 2020								0	0	0	0	0	0
Note: The 2015 persistence is captured in 2016.													

Table 5-b. 2016 Lost Revenues Work Form

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Table 3-B. 2016 Cost Revenues Work Form													
Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence	Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings	Rate Allocations for LRAMVA						
		2016	2017		2016	2017	Residential	Competitive Sector Multi-Unit Residential Service	GS <50kW	GS 50-999kW	GS 1000-4999kW	Large Use	Total
Legacy Framework													
Residential Program													
1	Coupon Initiative	Verified	0		0		kWh	kWh	kWh	kW	kW	kW	
	Adjustment to 2016 savings	True-up	0		0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
2	Bi-Annual Retailer Event Initiative	Verified	0		0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2016 savings	True-up	0		0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

3	Appliance Retirement Initiative Adjustment to 2016 savings	Verified True-up	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% 0%
4	HVAC Incentives Initiative Adjustment to 2016 savings	Verified True-up	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% 0%
5	Residential New Construction and Major Renovation Initiative Adjustment to 2016 savings	Verified True-up	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% 0%
Commercial & Institutional Program												
6	Energy Audit Initiative Adjustment to 2016 savings	Verified True-up	0 0	12 12	0 0		0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0% 0%
7	Efficiency: Equipment Replacement Incentive Initiative Adjustment to 2016 savings	Verified True-up	0 0	12 12	0 0		0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0% 0%
8	Direct Install Lighting and Water Heating Initiative Adjustment to 2016 savings	Verified True-up	0 0	12 12	0 0		0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0% 0%
9	New Construction and Major Renovation Initiative Adjustment to 2016 savings	Verified True-up	0 0	12 12	0 0		0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0% 0%
10	Existing Building Commissioning Incentive Initiative Adjustment to 2016 savings	Verified True-up	0 0	3 3	0 0		0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0% 0%
Industrial Program												
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative Adjustment to 2016 savings	Verified True-up	0 0	12 12	0 0		0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0% 0%
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative Adjustment to 2016 savings	Verified True-up	0 0	12 12	0 0		0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0% 0%
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative Adjustment to 2016 savings	Verified True-up	0 0	12 12	0 0		0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0% 0%
Low Income Program												
14	Low Income Initiative Adjustment to 2016 savings	Verified True-up	0 0	12 12	0 0		0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0% 0%
Other												
15	Aboriginal Conservation Program Adjustment to 2016 savings	Verified True-up	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% 0%
16	Program Enabled Savings Adjustment to 2016 savings	Verified True-up	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% 0%
Conservation Fund Pilots												
17	EnerNOC Conservation Fund Pilot Program Adjustment to 2016 savings	Verified True-up	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% 0%
18	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program Adjustment to 2016 savings	Verified True-up	9,426 0	0 0	1 0		100.00% 100.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	100% 0%
19	Loblaws P4P Conservation Fund Pilot Program Adjustment to 2016 savings	Verified True-up	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% 0%

20	Strategic Energy Group Conservation Fund Pilot Program	Verified	0		0	0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2016 savings	True-up	0		0	0		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	75,337,483			4,896		95.00%	5.00%	0.00%	0.00%	0.00%	0.00%	100%
	Adjustment to 2016 savings	True-up	0			0		95.00%	5.00%	0.00%	0.00%	0.00%	0.00%	
22	Save on Energy Heating & Cooling Program	Verified	9,295,067			2,725		100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
	Adjustment to 2016 savings	True-up	0			0		100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
23	Save on Energy New Construction Program	Verified	236,600			47		100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
	Adjustment to 2016 savings	True-up	0			0		100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
24	Save on Energy Home Assistance Program	Verified	1,171,023		12	139		79.00%	0.00%	11.00%	10.00%	0.00%	0.00%	100%
	Adjustment to 2016 savings	True-up	0		12	0		79.00%	0.00%	11.00%	10.00%	0.00%	0.00%	
Non-Residential Province-Wide Programs														
25	Save on Energy Audit Funding Program	Verified	801,701		12	105		0.00%	0.00%	6.90%	71.72%	13.10%	8.28%	100%
	Adjustment to 2016 savings	True-up	0		12	0		0.00%	0.00%	6.90%	71.72%	13.10%	8.28%	
26	Save on Energy Retrofit Program	Verified	163,767,555		12	26,210		0.00%	0.00%	5.33%	52.85%	23.76%	16.40%	98%
	Adjustment to 2016 savings	True-up	0		12	0		0.00%	0.00%	5.33%	52.85%	23.76%	16.40%	
27	Save on Energy Small Business Lighting Program	Verified	55,480		12	9		0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	100%
	Adjustment to 2016 savings	True-up	0		12	0		0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	
28	Save on Energy High Performance New Construction Program	Verified	3,687,762		12	1,577		0.00%	0.00%	0.06%	94.76%	0.46%	4.66%	100%
	Adjustment to 2016 savings	True-up	0		12	0		0.00%	0.00%	0.06%	94.76%	0.46%	4.66%	
29	Save on Energy Existing Building Commissioning Program	Verified	0		3	0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2016 savings	True-up	0		3	0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
30	Save on Energy Process & Systems Upgrades Program	Verified	339,419		12	23		0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	100%
	Adjustment to 2016 savings	True-up	0		12	0		0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	
31	Save on Energy Monitoring & Targeting Program	Verified	0		12	0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2016 savings	True-up	0		12	0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
32	Save on Energy Energy Manager Program	Verified	10,276,913		12	950		0.00%	0.00%	0.23%	31.80%	13.09%	53.97%	99%
	Adjustment to 2016 savings	True-up	0		12	0		0.00%	0.00%	0.23%	31.80%	13.09%	53.97%	
Local & Regional Programs														
33	Adaptive Thermostat Local Program	Verified	0		0	0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2016 savings	True-up	0		0	0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
34	Business Refrigeration Incentives Local Program	Verified	0		12	0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2016 savings	True-up	0		12	0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
34	OPSaver Local Program	Verified	0		12	0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2016 savings	True-up	0		12	0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
34	PUMPSaver Local Program	Verified	834,022		12	75		0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	100%
	Adjustment to 2016 savings	True-up	0		12	0		0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
35	THESL Swimming Pool Efficiency Local Program	Verified	0		0	0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2016 savings	True-up	0		0	0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

Pilot Programs													
Direct Install - Hydronic Pilot Program	Verified	0	12	0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
Adjustment to 2016 savings	True-up	0	12	0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
Direct Install - RTU Controls Pilot Program	Verified	370,393	12	27		0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	100%	
Adjustment to 2016 savings	True-up	0	12	0		0.00%	0.00%	0.00%	100.00%	0.00%	0.00%		
Electronics Takeback Pilot Program	Verified	1,145,480	0	36		100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
Adjustment to 2016 savings	True-up	0	0	0		100.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
Truckload Event Pilot Program	Verified	3,295,945	0	207		95.00%	5.00%	0.00%	0.00%	0.00%	0.00%	100%	
Adjustment to 2016 savings	True-up	0	0	0		95.00%	5.00%	0.00%	0.00%	0.00%	0.00%		
P4P for Class B Office Pilot Program	Verified	2,864,454	12	2		0.00%	0.00%	0.00%	50.54%	49.46%	0.00%	100%	
Adjustment to 2016 savings	True-up	0	12	0		0.00%	0.00%	0.00%	50.54%	49.46%	0.00%		
Actual CDM Savings in 2016		273,488,723		37,029		86,313,438	3,931,671	8,986,146	190,085	76,750	58,707		
Forecast CDM Savings in 2016						17,641,528	359,473	37,892,403	155,436	42,037	40,556		
Distribution Rate in 2016						\$0.01823	\$0.02834	\$0.02861	\$6.94620	\$5.46160	\$5.85770		
Lost Revenue in 2016 from 2011 programs						\$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	
Lost Revenue in 2016 from 2013 programs						\$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	
Lost Revenue in 2016 from 2015 programs						\$541,937.65	\$31,277.54	\$686,202.06	\$1,601,325.39	\$594,152.84	\$805,544.88	\$4,260,440.35	
Lost Revenue in 2016 from 2016 programs						\$1,573,493.97	\$111,423.57	\$257,093.65	\$1,440,188.76	\$455,084.29	\$371,328.43	\$4,208,612.67	
Total Lost Revenues in 2016						\$2,115,431.62	\$142,701.11	\$943,295.70	\$3,041,514.15	\$1,049,237.13	\$1,176,873.30	\$8,469,053.02	
Forecast Lost Revenues in 2016						\$321,605.06	\$10,187.48	\$1,084,101.66	\$1,177,675.53	\$249,253.12	\$256,522.75	\$3,099,345.60	
LRAMVA in 2016												\$5,369,707.42	
2016 Savings Persisting in 2017						0	0	0	0	0	0		
2016 Savings Persisting in 2018						0	0	0	0	0	0		
2016 Savings Persisting in 2019						0	0	0	0	0	0		
2016 Savings Persisting in 2020						0	0	0	0	0	0		



Ontario Energy Board

LRAMVA Work Form: Carrying Charges by Rate Class

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.

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
Amount Cleared										
Opening Balance for 2015				\$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
Feb-15	2011-2015	Q1	0.12%	\$19.75	\$2.03	-\$30.25	\$35.91	\$31.22	\$51.34	\$109.99
Mar-15	2011-2015	Q1	0.12%	\$39.50	\$4.06	-\$60.50	\$71.82	\$62.43	\$102.68	\$219.98
Apr-15	2011-2015	Q2	0.09%	\$44.33	\$4.56	-\$67.91	\$80.61	\$70.08	\$115.25	\$246.92
May-15	2011-2015	Q2	0.09%	\$59.11	\$6.08	-\$90.55	\$107.48	\$93.44	\$153.66	\$329.22
Jun-15	2011-2015	Q2	0.09%	\$73.89	\$7.59	-\$113.18	\$134.35	\$116.79	\$192.08	\$411.53
Jul-15	2011-2015	Q3	0.09%	\$88.67	\$9.11	-\$135.82	\$161.22	\$140.15	\$230.50	\$493.83
Aug-15	2011-2015	Q3	0.09%	\$103.44	\$10.63	-\$158.45	\$188.09	\$163.51	\$268.91	\$576.14
Sep-15	2011-2015	Q3	0.09%	\$118.22	\$12.15	-\$181.09	\$214.96	\$186.87	\$307.33	\$658.44
Oct-15	2011-2015	Q4	0.09%	\$133.00	\$13.67	-\$203.73	\$241.83	\$210.23	\$345.75	\$740.75
Nov-15	2011-2015	Q4	0.09%	\$147.78	\$15.19	-\$226.36	\$268.70	\$233.59	\$384.16	\$823.05
Dec-15	2011-2015	Q4	0.09%	\$162.56	\$16.71	-\$249.00	\$295.57	\$256.95	\$422.58	\$905.36
Total for 2015				\$990.24	\$101.78	-\$1,516.84	\$1,800.56	\$1,565.25	\$2,574.23	\$5,515.22
Amount Cleared										
Opening Balance for 2016				\$990.24	\$101.78	-\$1,516.84	\$1,800.56	\$1,565.25	\$2,574.23	\$5,515.22
Jan-16	2011-2016	Q1	0.09%	\$177.33	\$18.23	-\$271.64	\$322.44	\$280.31	\$460.99	\$987.67
Feb-16	2011-2016	Q1	0.09%	\$314.36	\$28.35	-\$282.39	\$464.82	\$341.42	\$531.30	\$1,397.85
Mar-16	2011-2016	Q1	0.09%	\$451.39	\$38.47	-\$293.15	\$607.20	\$402.53	\$601.60	\$1,808.04
Apr-16	2011-2016	Q2	0.09%	\$588.42	\$48.59	-\$303.90	\$749.57	\$463.64	\$671.91	\$2,218.22

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 L.
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.

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

[illegible]

[illegible]

[illegible]

#1

#1	Net Verified Annual Energy Savings at the End-User Level (kWh)
1	1,000,000
2	2,000,000
3	3,000,000
4	4,000,000
5	5,000,000
6	6,000,000
7	7,000,000
8	8,000,000
9	9,000,000
10	10,000,000
11	11,000,000
12	12,000,000
13	13,000,000
14	14,000,000
15	15,000,000
16	16,000,000
17	17,000,000
18	18,000,000
19	19,000,000
20	20,000,000
21	21,000,000
22	22,000,000
23	23,000,000
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26	26,000,000
27	27,000,000
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38	38,000,000
39	39,000,000
40	40,000,000
41	41,000,000
42	42,000,000
43	43,000,000
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45	45,000,000
46	46,000,000
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92	92,000,000
93	93,000,000
94	94,000,000
95	95,000,000
96	96,000,000
97	97,000,000
98	98,000,000
99	99,000,000
100	100,000,000

[illegible]

[illegible]

Appendix 2-W 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 filed a

	Charge Unit	Current Board-Approved			2018 Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Service Charge	per 30 days	\$ 27.69	1	\$ 27.69	\$ 32.69	1	\$ 32.69	\$ 5.00	18.06%
Rate Rider for Recovery of Stranded Meters Assets	per 30 days	\$ 0.28	1	\$ 0.28	\$ 0.28	1	\$ 0.28	\$ -	0.00%
Rate Rider for Disposition of Post Employment Benefit - Tax Savings	per 30 days	-\$ 0.48	1	-\$ 0.48	-\$ 0.48	1	-\$ 0.48	\$ -	0.00%
Rate Rider for Application of Operations Center Consolidation Plan Sharing	per 30 days	-\$ 1.48	1	-\$ 1.48	-\$ 1.48	1	-\$ 1.48	\$ -	0.00%
Rate Rider for Recovery of the Gain on the Sale of Named Properties	per 30 days	\$ 0.10	1	\$ 0.10	\$ 0.10	1	\$ 0.10	\$ -	0.00%
Rate Rider for Recovery of Hydro One Capital Contributions Variance	per 30 days	\$ 0.03	1	\$ 0.03	\$ 0.03	1	\$ 0.03	\$ -	0.00%
Rate Rider for Application of IFRS - 2014 Derecognition	per 30 days	\$ 0.46	1	\$ 0.46	\$ 0.46	1	\$ 0.46	\$ -	0.00%
Rate Rider for Recovery of 2015 Foregone Revenue	per 30 days	\$ 0.88	1	\$ 0.88	\$ 0.88	1	\$ 0.88	\$ -	0.00%
Rate Rider for Recovery of 2016 Foregone Revenue	per 30 days	\$ 0.28	1	\$ 0.28	\$ 0.28	1	\$ 0.28	\$ -	0.00%
Distribution Volumetric Rate	per kWh	\$ 0.01512	750	\$ 11.34	\$ 0.01065	750	\$ 7.99	-\$ 3.35	-29.56%
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account	per kWh	\$ 0.00007	750	\$ 0.05	\$ 0.00041	750	\$ 0.31	\$ 0.26	485.71%
Sub-Total A (excluding pass through)				\$ 39.15			\$ 41.06	\$ 1.90	4.86%
Line Losses on Cost of Power	per kWh	\$ 0.0822	28	\$ 2.32	\$ 0.0822	28	\$ 2.32	\$ -	0.00%
Rate Rider for Disposition of Deferral/Variance Accounts	per kWh	-\$ 0.00341	750	-\$ 2.56	-\$ 0.00320	750	-\$ 2.40	\$ 0.16	-6.16%
Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account/Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account	per kWh	\$ 0.00029	750	\$ 0.22	\$ 0.00007	750	\$ 0.05	-\$ 0.17	-75.86%
Rate Rider for Disposition of Pre 2011 Global Adjustment Variance Account (Applicable only for Non-RPP Customers)	per kWh	\$ 0.00363		\$ -			\$ -	\$ -	
Rate Rider for Disposition of Class B Post 2011 Global Adjustment Variance Account (Applicable only for Non-RPP Customers)	per kWh	\$ 0.00663		\$ -			\$ -	\$ -	
Rate Rider for Disposition of Global Adjustment Variance Account (Applicable only for Non-RPP Customers)	per kWh			\$ -	-\$ 0.00112		\$ -	\$ -	
Rate Rider for Smart Metering Entity Charge	per 30 days	\$ 0.78	1	\$ 0.78	\$ 0.78	1	\$ 0.78	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)				\$ 39.91			\$ 41.80	\$ 1.89	4.75%
RTSR - Network	per kWh	\$ 0.00763	778	\$ 5.94	\$ 0.00790	778	\$ 6.15	\$ 0.21	3.54%
RTSR - Line and Transformation Connection	per kWh	\$ 0.00567	778	\$ 4.41	\$ 0.00590	778	\$ 4.59	\$ 0.18	4.06%
Sub-Total C - Delivery (including Sub-Total B)				\$ 50.26			\$ 52.54	\$ 2.28	4.54%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0036	778	\$ 2.80	\$ 0.0036	778	\$ 2.80	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0021	778	\$ 1.63	\$ 0.0003	778	\$ 0.23	-\$ 1.40	-85.71%
Standard Supply Service Charge	per 30 days	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0650	488	\$ 31.69	\$ 0.0650	488	\$ 31.69	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.0950	128	\$ 12.11	\$ 0.0950	128	\$ 12.11	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1320	135	\$ 17.82	\$ 0.1320	135	\$ 17.82	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0770	600	\$ 46.20	\$ 0.0770	600	\$ 46.20	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.0900	150	\$ 13.50	\$ 0.0900	150	\$ 13.50	\$ -	0.00%
Non-RPP Retailer Avg. Price	per kWh	\$ 0.1101		\$ -	\$ 0.1101	0	\$ -	\$ -	
Average IESO Wholesale Market Price	per kWh	\$ 0.1101		\$ -	\$ 0.1101	0	\$ -	\$ -	
Total Bill on TOU (before Taxes)				\$ 116.57			\$ 117.45	\$ 0.88	0.8%
8% Provincial Rebate		-8%		-\$ 9.33	-8%		-\$ 9.40	-\$ 0.07	0.76%
HST		13%		\$ 15.15	13%		\$ 15.27	\$ 0.11	0.76%
Total Bill on TOU (after Tax & Rebate)				\$ 122.39			\$ 123.32	\$ 0.93	0.76%

Loss Factor (%)

3.76%

RESIDENTIAL

3.76%

Appendix 2-W Bill Impacts

Customer Class: **COMPETITIVE SECTOR MULTI-UNIT RESIDENTIAL SERVICE**

TOU / non-TOU: **TOU**

Consumption **334** kWh ☒ May 1 - October 31 ☐ November 1 - April 30 (Select this radio button for applications filed after Oct 31)

	Charge Unit	Current Board-Approved			2018 Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Service Charge	per 30 days	\$ 22.94	1	\$ 22.94	\$ 26.86	1	\$ 26.86	\$ 3.92	17.09%
Rate Rider for Disposition of Post Employment Benefit - Tax Savings	per 30 days	-\$ 0.19	1	-\$ 0.19	-\$ 0.19	1	-\$ 0.19	\$ -	0.00%
Rate Rider for Application of Operations Center Consolidation Plan Sharing	per 30 days	-\$ 0.59	1	-\$ 0.59	-\$ 0.59	1	-\$ 0.59	\$ -	0.00%
Rate Rider for Recovery of the Gain on the Sale of Named Properties	per 30 days	\$ 0.04	1	\$ 0.04	\$ 0.04	1	\$ 0.04	\$ -	0.00%
Rate Rider for Recovery of Hydro One Capital Contributions Variance	per 30 days	\$ 0.01	1	\$ 0.01	\$ 0.01	1	\$ 0.01	\$ -	0.00%
Rate Rider for Application of IFRS - 2014 Derecognition	per 30 days	\$ 0.18	1	\$ 0.18	\$ 0.18	1	\$ 0.18	\$ -	0.00%
Rate Rider for Recovery of 2015 Foregone Revenue	per 30 days	\$ 0.19	1	\$ 0.19	\$ 0.19	1	\$ 0.19	\$ -	0.00%
Rate Rider for Recovery of 2016 Foregone Revenue	per 30 days	\$ 0.09	1	\$ 0.09	\$ 0.09	1	\$ 0.09	\$ -	0.00%
Distribution Volumetric Rate	per kWh	\$ 0.02315	334	\$ 7.73	\$ 0.01630	334	\$ 5.44	-\$ 2.29	-29.59%
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account	per kWh	\$ 0.00005	334	\$ 0.02	\$ 0.00067	334	\$ 0.22	\$ 0.21	1240.00%
Sub-Total A (excluding pass through)				\$ 30.42			\$ 32.26	\$ 1.84	6.05%
Line Losses on Cost of Power	per kWh	\$ 0.0822	13	\$ 1.03	\$ 0.0822	13	\$ 1.03	\$ -	0.00%
Rate Rider for Disposition of Deferral/Variance Account	per kWh	-\$ 0.00346	334	-\$ 1.16	-\$ 0.00391	334	-\$ 1.31	-\$ 0.15	13.01%
Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account/Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account	per kWh	\$ 0.00029	334	\$ 0.10	\$ 0.00007	334	\$ 0.02	-\$ 0.07	-75.86%
Rate Rider for Disposition of Pre 2011 Global Adjustment Variance Account (Applicable only for Non-RPP Customers)	per kWh	\$ 0.00154		\$ -			\$ -	\$ -	
Rate Rider for Disposition of Class B Post 2011 Global Adjustment Variance Account (Applicable only for Non-RPP Customers)	per kWh	\$ 0.00663		\$ -			\$ -	\$ -	
Rate Rider for Disposition of Global Adjustment Variance Account (Applicable only for Non-RPP Customers)	per kWh			\$ -	-\$ 0.00112		\$ -	\$ -	
Rate Rider for Smart Metering Entity Charge	per 30 days	\$ 0.78	1	\$ 0.78	\$ 0.78	1	\$ 0.78	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)				\$ 31.17			\$ 32.79	\$ 1.62	5.18%
RTSR - Network	per kWh	\$ 0.00763	347	\$ 2.64	\$ 0.00790	347	\$ 2.74	\$ 0.09	3.54%
RTSR - Line and Transformation Connection	per kWh	\$ 0.00567	347	\$ 1.96	\$ 0.00590	347	\$ 2.04	\$ 0.08	4.06%
Sub-Total C - Delivery (including Sub-Total B)				\$ 35.78			\$ 37.57	\$ 1.79	5.00%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0036	347	\$ 1.25	\$ 0.0036	347	\$ 1.25	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0021	347	\$ 0.73	\$ 0.0003	347	\$ 0.10	-\$ 0.62	-85.71%
Standard Supply Service Charge	per 30 days	\$ 0.25	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0650	217	\$ 14.11	\$ 0.0650	217	\$ 14.11	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.0950	57	\$ 5.39	\$ 0.0950	57	\$ 5.39	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1320	60	\$ 7.94	\$ 0.1320	60	\$ 7.94	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0770	334	\$ 25.72	\$ 0.0770	334	\$ 25.72	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.0900	0	\$ -	\$ 0.0900	0	\$ -	\$ -	
Non-RPP Retailer Avg. Price	per kWh	\$ 0.1101		\$ -	\$ 0.1101	0	\$ -	\$ -	
Average IESO Wholesale Market Price	per kWh	\$ 0.1101		\$ -	\$ 0.1101	0	\$ -	\$ -	
Total Bill on TOU (before Taxes)				\$ 65.45			\$ 66.61	\$ 1.16	1.8%
8% Provincial Rebate		-8%		-\$ 5.24	-8%		-\$ 5.33	-\$ 0.09	1.78%
HST		13%		\$ 8.51	13%		\$ 8.66	\$ 0.15	1.78%
Total Bill on TOU (after Tax & Rebate)				\$ 68.72			\$ 69.94	\$ 1.22	1.78%

Loss Factor (%)

3.76%

3.76%

Appendix 2-W 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

	Charge Unit	Current Board-Approved			2018 Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Service Charge	per 30 days	\$ 32.68	1	\$ 32.68	\$ 34.52	1	\$ 34.52	\$ 1.84	5.63%
Rate Rider for Recovery of 2015 Foregone Revenue	per 30 days	\$ 0.79	1	\$ 0.79	\$ 0.79	1	\$ 0.79	\$ -	0.00%
Rate Rider for Recovery of 2016 Foregone Revenue	per 30 days	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Rate Rider for Recovery of Stranded Meters Assets	per 30 days	\$ 1.55	1	\$ 1.55	\$ 1.55	1	\$ 1.55	\$ -	0.00%
Distribution Volumetric Rate	per kWh	\$ 0.03023	2,000	\$ 60.46	\$ 0.03193	2,000	\$ 63.86	\$ 3.40	5.62%
Rate Rider for Disposition of Post Employment Benefit - Tax Savings	per kWh	-\$ 0.00051	2,000	-\$ 1.02	-\$ 0.00051	2,000	-\$ 1.02	\$ -	0.00%
Rate Rider for Application of Operations Center Consolidation Plan Sharing	per kWh	-\$ 0.00156	2,000	-\$ 3.12	-\$ 0.00156	2,000	-\$ 3.12	\$ -	0.00%
Rate Rider for Recovery of the Gain on the Sale of Named Properties	per kWh	\$ 0.00013	2,000	\$ 0.26	\$ 0.00013	2,000	\$ 0.26	\$ -	0.00%
Rate Rider for Recovery of Hydro One Capital Contributions Variance	per kWh	\$ 0.00003	2,000	\$ 0.06	\$ 0.00003	2,000	\$ 0.06	\$ -	0.00%
Rate Rider for Application of IFRS - 2014 Derecognition	per kWh	\$ 0.00049	2,000	\$ 0.98	\$ 0.00049	2,000	\$ 0.98	\$ -	0.00%
Rate Rider for Recovery of 2015 Foregone Revenue	per kWh	\$ 0.00076	2,000	\$ 1.52	\$ 0.00076	2,000	\$ 1.52	\$ -	0.00%
Rate Rider for Recovery of 2016 Foregone Revenue	per kWh	\$ 0.00024	2,000	\$ 0.48	\$ 0.00024	2,000	\$ 0.48	\$ -	0.00%
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account	per kWh	\$ 0.00072	2,000	\$ 1.44	-\$ 0.00019	2,000	-\$ 0.38	-\$ 1.82	-126.39%
Sub-Total A (excluding pass through)				\$ 96.33			\$ 99.75	\$ 3.42	3.55%
Line Losses on Cost of Power	per kWh	\$ 0.0822	75	\$ 6.18	\$ 0.0822	75	\$ 6.18	\$ -	0.00%
Rate Rider for Disposition of Deferral/Variance Account	per kWh	-\$ 0.00337	2,000	-\$ 6.74	-\$ 0.00318	2,000	-\$ 6.36	\$ 0.38	-5.64%
Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account/Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account	per kWh	\$ 0.00029	2,000	\$ 0.58	\$ 0.00007	2,000	\$ 0.14	-\$ 0.44	-75.86%
Rate Rider for Disposition of Pre 2011 Global Adjustment Variance Account (Applicable only for Non-RPP Customers)	per kWh	\$ 0.00145		\$ -			\$ -	\$ -	
Rate Rider for Disposition of Class B Post 2011 Global Adjustment Variance Account (Applicable only for Non-RPP Customers)	per kWh	\$ 0.00663		\$ -			\$ -	\$ -	
Rate Rider for Disposition of Global Adjustment Variance Account (Applicable only for Non-RPP Customers)	per kWh			\$ -	-\$ 0.00112		\$ -	\$ -	
Rate Rider for Smart Metering Entity Charge	per 30 days	\$ 0.78	1	\$ 0.78	\$ 0.78	1	\$ 0.78	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)				\$ 97.13			\$ 100.49	\$ 3.36	3.46%
RTSR - Network	per kWh	\$ 0.00738	2,075	\$ 15.31	\$ 0.00769	2,075	\$ 15.96	\$ 0.64	4.20%
RTSR - Line and Transformation Connection	per kWh	\$ 0.00511	2,075	\$ 10.60	\$ 0.00528	2,075	\$ 10.96	\$ 0.35	3.33%
Sub-Total C - Delivery (including Sub-Total B)				\$ 123.05			\$ 127.40	\$ 4.36	3.54%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0036	2,075	\$ 7.47	\$ 0.0036	2,075	\$ 7.47	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0021	2,075	\$ 4.36	\$ 0.0003	2,075	\$ 0.62	-\$ 3.74	-85.71%
Standard Supply Service Charge	per 30 days	\$ 0.25	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	2,000	\$ 14.00	\$ 0.0070	2,000	\$ 14.00	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0650	1,300	\$ 84.50	\$ 0.0650	1,300	\$ 84.50	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.0950	340	\$ 32.30	\$ 0.0950	340	\$ 32.30	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1320	360	\$ 47.52	\$ 0.1320	360	\$ 47.52	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0770	600	\$ 46.20	\$ 0.0770	600	\$ 46.20	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.0900	1,400	\$ 126.00	\$ 0.0900	1,400	\$ 126.00	\$ -	0.00%
Non-RPP Retailer Avg. Price	per kWh	\$ 0.1101		\$ -	\$ 0.1101	0	\$ -	\$ -	
Average IESO Wholesale Market Price	per kWh	\$ 0.1101		\$ -	\$ 0.1101	0	\$ -	\$ -	
Total Bill on TOU (before Taxes)				\$ 313.45			\$ 314.07	\$ 0.62	0.2%
8% Provincial Rebate		-8%		-\$ 25.08	-8%		-\$ 25.13	-\$ 0.05	0.20%
HST		13%		\$ 40.75	13%		\$ 40.83	\$ 0.08	0.20%
Total Bill on TOU (after Tax & Rebate)				\$ 329.12			\$ 329.77	\$ 0.65	0.20%
Total Bill on RPP (before Taxes)				\$ 321.33			\$ 321.95	\$ 0.62	0.19%
8% Provincial Rebate		-8%		-\$ 25.71	-8%		-\$ 25.76	-\$ 0.05	0.19%
HST		13%		\$ 41.77	13%		\$ 41.85	\$ 0.08	0.19%
Total Bill on RPP (after Tax & Rebate)				\$ 337.39			\$ 338.04	\$ 0.65	0.19%

Loss Factor (%)

3.76%

3.76%

Appendix 2-W Bill Impacts

Customer Class: **GENERAL SERVICE 50 TO 999 kW SERVICE**

TOU / non-TOU: **non-TOU**

SPOT CLASS B

Consumption
349 kW
388 kVA ☒ May 1 - October 31
150,000 kWh ☐ November 1 - April 30 (Select this radio button for applications filed after C

		Current Board-Approved			2018 Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Service Charge	per 30 days	\$ 47.00	1	\$ 47.00	\$ 49.64	1	\$ 49.64	\$ 2.64	5.62%
Rate Rider for Recovery of 2015 Foregone Revenue	per 30 days	\$ 1.01	1	\$ 1.01	\$ 1.01	1	\$ 1.01	\$ -	0.00%
Rate Rider for Recovery of 2016 Foregone Revenue	per 30 days	\$ 0.30	1	\$ 0.30	\$ 0.30	1	\$ 0.30	\$ -	0.00%
Rate Rider for Recovery of Stranded Meters Assets	per 30 days	\$ 4.64	1	\$ 4.64	\$ 4.64	1	\$ 4.64	\$ -	0.00%
Distribution Volumetric Rate	per kVA	\$ 7.3977	388	\$ 2,870.31	\$ 7.8135	388	\$ 3,031.64	\$ 161.33	5.62%
Rate Rider for Disposition of Post Employment Benefit - Tax Savings	per kVA	-\$ 0.0814	388	-\$ 31.58	-\$ 0.0814	388	-\$ 31.58	\$ -	0.00%
Rate Rider for Application of Operations Center Consolidation Plan Sharing	per kVA	-\$ 0.2512	388	-\$ 97.47	-\$ 0.2512	388	-\$ 97.47	\$ -	0.00%
Rate Rider for Recovery of the Gain on the Sale of Named Properties	per kVA	\$ 0.0114	388	\$ 4.42	\$ 0.0114	388	\$ 4.42	\$ -	0.00%
Rate Rider for Recovery of Hydro One Capital Contributions Variance	per kVA	\$ 0.0047	388	\$ 1.82	\$ 0.0047	388	\$ 1.82	\$ -	0.00%
Rate Rider for Application of IFRS - 2014 Derecognition	per kVA	\$ 0.0781	388	\$ 30.30	\$ 0.0781	388	\$ 30.30	\$ -	0.00%
Rate Rider for Recovery of 2015 Foregone Revenue	per kVA	\$ 0.1659	388	\$ 64.37	\$ 0.1659	388	\$ 64.37	\$ -	0.00%
Rate Rider for Recovery of 2016 Foregone Revenue	per kVA	\$ 0.0498	388	\$ 19.32	\$ 0.0498	388	\$ 19.32	\$ -	0.00%
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account	per kVA	\$ 0.0893	388	\$ 34.65	\$ 0.0912	388	\$ 35.39	\$ 0.74	2.13%
Sub-Total A (excluding pass through)				\$ 2,949.10			\$ 3,113.81	\$ 164.71	5.59%
Line Losses on Cost of Power	per kWh	\$ 0.1101	5,640	\$ 620.96	\$ 0.1101	5,640	\$ 620.96	\$ -	0.00%
Rate Rider for Disposition of Deferral/Variance Account	per kVA	\$ 1.6391	388	\$ 635.97	-\$ 0.7590	388	-\$ 294.49	-\$ 930.46	-146.31%
Rate Rider for Disposition of Deferral/Variance Account for Non-Wholesale Market Participan	per kVA	-\$ 2.8665	388	-\$ 1,112.20	-\$ 0.5224	388	-\$ 202.69	-\$ 909.51	-81.78%
Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account/Rate Rid	per kVA	\$ 0.1048	388	\$ 40.66	\$ 0.0290	388	\$ 11.25	-\$ 29.41	-72.33%
Rate Rider for Disposition of Global Adjustment Variance Account (Applicable only for Non-RF	per kWh			\$ -	-\$ 0.00112	150,000	-\$ 168.00	-\$ 168.00	
Rate Rider for Disposition of Pre 2011 Global Adjustment Variance Account (Applicable only f	per kWh	\$ 0.00152	150,000	\$ 228.00			\$ -	-\$ 228.00	
Rate Rider for Disposition of Class B Post 2011 Global Adjustment Variance Account (Applicab	per kWh	\$ 0.00663	150,000	\$ 994.50			\$ -	-\$ 994.50	
Sub-Total B - Distribution (includes Sub-Total A)				\$ 4,356.99			\$ 3,080.84	-\$ 1,276.15	-29.29%
RTSR - Network	per kW	\$ 2.6065	349	\$ 909.67	\$ 2.6712	349	\$ 932.25	\$ 22.58	2.48%
RTSR - Line and Transformation Connection	per kW	\$ 1.9214	349	\$ 670.57	\$ 1.9630	349	\$ 685.09	\$ 14.52	2.17%
Sub-Total C - Delivery (including Sub-Total B)				\$ 5,937.23			\$ 4,698.17	-\$ 1,239.06	-20.87%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0036	155,640	\$ 560.30	\$ 0.0036	155,640	\$ 560.30	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0021	155,640	\$ 326.84	\$ 0.0003	155,640	\$ 46.69	-\$ 280.15	-85.71%
Standard Supply Service Charge	per 30 days	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	150,000	\$ 1,050.00	\$ 0.0070	150,000	\$ 1,050.00	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0650	96,000	\$ 6,240.00	\$ 0.0650	96,000	\$ 6,240.00	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.0950	27,000	\$ 2,565.00	\$ 0.0950	27,000	\$ 2,565.00	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1320	27,000	\$ 3,564.00	\$ 0.1320	27,000	\$ 3,564.00	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0770	750	\$ 57.75	\$ 0.0770	750	\$ 57.75	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.0900	149,250	\$ 13,432.50	\$ 0.0900	149,250	\$ 13,432.50	\$ -	0.00%
Non-RPP Retailer Avg. Price	per kWh	\$ 0.1101		\$ -	\$ 0.1101	0	\$ -	\$ -	
Average IESO Wholesale Market Price	per kWh	\$ 0.1101	150,000	\$ 16,515.00	\$ 0.1101	150,000	\$ 16,515.00	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price (before Taxes)				\$ 24,389.63			\$ 22,870.42	-\$ 1,519.21	-6.2%
8% Provincial Rebate		-8%			-8%				
HST		13%		\$ 3,170.65	13%		\$ 2,973.15	-\$ 197.50	-6.23%
Total Bill on Average IESO Wholesale Market Price (after Tax and Rebate)				\$ 27,560.28			\$ 25,843.58	-\$ 1,716.71	-6.23%
Total Bill on RPP (before Taxes)				\$ 21,364.88			\$ 19,845.67	-\$ 1,519.21	-7.11%
8% Provincial Rebate		-8%			-8%				
HST		13%		\$ 2,777.43	13%		\$ 2,579.94	-\$ 197.50	-7.11%
Total Bill on RPP (after Tax and Rebate)				\$ 24,142.31			\$ 22,425.61	-\$ 1,716.71	-7.11%

Loss Factor (%)

3.76%

3.76%

Appendix 2-W Bill Impacts

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

TOU / non-TOU: **non-TOU**

SPOT CLASS B

1,600 kW

1,778 kVA

800,000 kWh

☒ May 1 - October 31

☐ November 1 - April 30 (Select this radio button for applications filed after Oc

	Consumption	Charge Unit	Current Board-Approved			2018 Proposed			Impact	
			Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Service Charge	per 30 days		\$ 897.86	1	\$ 897.86	\$ 948.32	1	\$ 948.32	\$ 50.46	5.62%
Rate Rider for Recovery of 2015 Foregone Revenue	per 30 days		\$ 18.89	1	\$ 18.89	\$ 18.89	1	\$ 18.89	\$ -	0.00%
Rate Rider for Recovery of 2016 Foregone Revenue	per 30 days		\$ 5.48	1	\$ 5.48	\$ 5.48	1	\$ 5.48	\$ -	0.00%
Distribution Volumetric Rate	per kVA		\$ 5.8201	1,778	\$ 10,348.14	\$ 6.1472	1,778	\$ 10,929.72	\$ 581.58	5.62%
Rate Rider for Disposition of Post Employment Benefit - Tax Savings	per kVA		-\$ 0.0653	1,778	-\$ 116.10	-\$ 0.0653	1,778	-\$ 116.10	\$ -	0.00%
Rate Rider for Application of Operations Center Consolidation Plan Sharing	per kVA		-\$ 0.2017	1,778	-\$ 358.62	-\$ 0.2017	1,778	-\$ 358.62	\$ -	0.00%
Rate Rider for Recovery of the Gain on the Sale of Named Properties	per kVA		\$ 0.0056	1,778	\$ 9.96	\$ 0.0056	1,778	\$ 9.96	\$ -	0.00%
Rate Rider for Recovery of Hydro One Capital Contributions Variance	per kVA		\$ 0.0038	1,778	\$ 6.76	\$ 0.0038	1,778	\$ 6.76	\$ -	0.00%
Rate Rider for Application of IFRS - 2014 Derecognition	per kVA		\$ 0.0627	1,778	\$ 111.48	\$ 0.0627	1,778	\$ 111.48	\$ -	0.00%
Rate Rider for Recovery of 2015 Foregone Revenue	per kVA		\$ 0.1226	1,778	\$ 217.98	\$ 0.1226	1,778	\$ 217.98	\$ -	0.00%
Rate Rider for Recovery of 2016 Foregone Revenue	per kVA		\$ 0.0356	1,778	\$ 63.30	\$ 0.0356	1,778	\$ 63.30	\$ -	0.00%
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account	per kVA		\$ 0.0332	1,778	\$ 59.03	\$ 0.1049	1,778	\$ 186.51	\$ 127.48	215.96%
Sub-Total A (excluding pass through)					\$ 11,264.14			\$ 12,023.67	\$ 759.53	6.74%
Line Losses on Cost of Power	per kWh		\$ 0.1101	30,080	\$ 3,311.81	\$ 0.1101	30,080	\$ 3,311.81	\$ -	0.00%
Rate Rider for Disposition of Deferral/Variance Account	per kVA		\$ 1.9195	1,778	\$ 3,412.87	\$ 0.8331	1,778	-\$ 1,481.25	-\$ 4,894.12	-143.40%
Rate Rider for Disposition of Deferral/Variance Account for Non-Wholesale Market Particip	per kVA		-\$ 3.3608	1,778	-\$ 5,975.50	-\$ 0.5740	1,778	-\$ 1,020.57	\$ 4,954.93	-82.92%
Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account/Rate R	per kVA		\$ 0.1207	1,778	\$ 214.60	\$ 0.0309	1,778	\$ 54.94	-\$ 159.66	-74.40%
Rate Rider for Disposition of Global Adjustment Variance Account (Applicable only for Non-	per kWh				\$ -	-\$ 0.00112	800,000	-\$ 896.00	-\$ 896.00	
Rate Rider for Disposition of Pre 2011 Global Adjustment Variance Account (Applicable onl	per kWh		\$ 0.00150	800,000	\$ 1,200.00			\$ -	\$ 1,200.00	
Rate Rider for Disposition of Class B Post 2011 Global Adjustment Variance Account (Applic	per kWh		\$ 0.00663	800,000	\$ 5,304.00			\$ -	-\$ 5,304.00	
Sub-Total B - Distribution (includes Sub-Total A)					\$ 18,731.93			\$ 11,992.60	-\$ 6,739.33	-35.98%
RTSR - Network	per kW		\$ 2.5183	1,600	\$ 4,029.28	\$ 2.5809	1,600	\$ 4,129.44	\$ 100.16	2.49%
RTSR - Line and Transformation Connection	per kW		\$ 1.9195	1,600	\$ 3,071.20	\$ 1.9611	1,600	\$ 3,137.76	\$ 66.56	2.17%
Sub-Total C - Delivery (including Sub-Total B)					\$ 25,832.41			\$ 19,259.80	-\$ 6,572.61	-25.44%
Wholesale Market Service Charge (WMSC)	per kWh		\$ 0.0036	830,080	\$ 2,988.29	\$ 0.0036	830,080	\$ 2,988.29	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh		\$ 0.0021	830,080	\$ 1,743.17	\$ 0.0003	830,080	\$ 249.02	-\$ 1,494.14	-85.71%
Standard Supply Service Charge	per 30 days		\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh		\$ 0.0070	800,000	\$ 5,600.00	\$ 0.0070	800,000	\$ 5,600.00	\$ -	0.00%
TOU - Off Peak	per kWh		\$ 0.0650	512,000	\$ 33,280.00	\$ 0.0650	512,000	\$ 33,280.00	\$ -	0.00%
TOU - Mid Peak	per kWh		\$ 0.0950	144,000	\$ 13,680.00	\$ 0.0950	144,000	\$ 13,680.00	\$ -	0.00%
TOU - On Peak	per kWh		\$ 0.1320	144,000	\$ 19,008.00	\$ 0.1320	144,000	\$ 19,008.00	\$ -	0.00%
Energy - RPP - Tier 1	per kWh		\$ 0.0770	750	\$ 57.75	\$ 0.0770	750	\$ 57.75	\$ -	0.00%
Energy - RPP - Tier 2	per kWh		\$ 0.0900	799,250	\$ 71,932.50	\$ 0.0900	799,250	\$ 71,932.50	\$ -	0.00%
Non-RPP Retailer Avg. Price	per kWh		\$ 0.1101		\$ -	\$ 0.1101	0	\$ -	\$ -	
Average IESO Wholesale Market Price	per kWh		\$ 0.1101	800,000	\$ 88,080.00	\$ 0.1101	800,000	\$ 88,080.00	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price (before Taxes)					\$ 124,244.11			\$ 116,177.36	-\$ 8,066.75	-6.5%
8% Provincial Rebate			-8%			-8%				
HST			13%		\$ 16,151.73	13%		\$ 15,103.06	-\$ 1,048.68	-6.49%
Total Bill on Average IESO Wholesale Market Price (after Tax and Rebate)					\$ 140,395.85			\$ 131,280.41	-\$ 9,115.43	-6.49%
Total Bill on RPP (before Taxes)					\$ 108,154.36			\$ 100,087.61	-\$ 8,066.75	-7.46%
8% Provincial Rebate			-8%			-8%				
HST			13%		\$ 14,060.07	13%		\$ 13,011.39	-\$ 1,048.68	-7.46%
Total Bill on RPP (after Tax and Rebate)					\$ 122,214.43			\$ 113,099.00	-\$ 9,115.43	-7.46%

Loss Factor (%)

3.76%

3.76%

Appendix 2-W Bill Impacts

Customer Class: **LARGE USE SERVICE**

TOU / non-TOU: **non-TOU**

CLASS A SPOT Non-WMP

Consumption
8,491 kW
9,434 kVA
4,500,000 kWh
May 1 - October 31
November 1 - April 30 (Select this radio button for applications filed after Oct

Charge Unit		Current Board-Approved			2018 Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Service Charge	per 30 days	\$ 3,963.22	1	\$ 3,963.22	\$ 4,185.95	1	\$ 4,185.95	\$ 222.73	5.62%
Rate Rider for Recovery of 2015 Foregone Revenue	per 30 days	\$ 85.84	1	\$ 85.84	\$ 85.84	1	\$ 85.84	\$ -	0.00%
Rate Rider for Recovery of 2016 Foregone Revenue	per 30 days	\$ 25.18	1	\$ 25.18	\$ 25.18	1	\$ 25.18	\$ -	0.00%
Distribution Volumetric Rate	per kVA	\$ 6.2436	9,434	\$ 58,902.12	\$ 6.5945	9,434	\$ 62,212.51	\$ 3,310.39	5.62%
Rate Rider for Disposition of Post Employment Benefit - Tax Savings	per kVA	-\$ 0.0675	9,434	-\$ 636.80	-\$ 0.0675	9,434	-\$ 636.80	\$ -	0.00%
Rate Rider for Application of Operations Center Consolidation Plan Sharing	per kVA	-\$ 0.2084	9,434	-\$ 1,966.05	-\$ 0.2084	9,434	-\$ 1,966.05	\$ -	0.00%
Rate Rider for Recovery of the Gain on the Sale of Named Properties	per kVA	\$ 0.0044	9,434	\$ 41.51	\$ 0.0044	9,434	\$ 41.51	\$ -	0.00%
Rate Rider for Recovery of Hydro One Capital Contributions Variance	per kVA	\$ 0.0039	9,434	\$ 36.79	\$ 0.0039	9,434	\$ 36.79	\$ -	0.00%
Rate Rider for Application of IFRS - 2014 Derecognition	per kVA	\$ 0.0648	9,434	\$ 611.32	\$ 0.0648	9,434	\$ 611.32	\$ -	0.00%
Rate Rider for Recovery of 2015 Foregone Revenue	per kVA	\$ 0.1382	9,434	\$ 1,303.78	\$ 0.1382	9,434	\$ 1,303.78	\$ -	0.00%
Rate Rider for Recovery of 2016 Foregone Revenue	per kVA	\$ 0.0406	9,434	\$ 383.02	\$ 0.0406	9,434	\$ 383.02	\$ -	0.00%
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account	per kVA	\$ 0.0678	9,434	\$ 639.63	\$ 0.2760	9,434	\$ 2,603.78	\$ 1,964.16	307.08%
Sub-Total A (excluding pass through)				\$ 63,389.57			\$ 68,886.85	\$ 5,497.28	8.67%
Line Losses on Cost of Power	per kWh	\$ 0.1101	84,150	\$ 9,264.92	\$ 0.1101	84,150	\$ 9,264.92	\$ -	0.00%
Rate Rider for Disposition of Deferral/Variance Account	per kVA	\$ 2.0648	9,434	\$ 19,479.32	-\$ 0.8773	9,434	-\$ 8,276.45	-\$ 27,755.77	-142.49%
Rate Rider for Disposition of Deferral/Variance Account for Non-Wholesale Market Particip	per kVA	-\$ 3.5855	9,434	-\$ 33,825.61	-\$ 0.5983	9,434	-\$ 5,644.36	\$ 28,181.24	-83.31%
Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account/Rate R	per kVA	\$ 0.0623		\$ -	\$ 0.0033		\$ -	\$ -	
Rate Rider for Disposition of Global Adjustment Variance Account (Applicable only for Non-	per kVA			\$ -	-\$ 0.00112		\$ -	\$ -	
Rate Rider for Disposition of Pre 2011 Global Adjustment Variance Account (Applicable only	per kWh	\$ 0.00147	4,500,000	\$ 6,615.00			\$ -	-\$ 6,615.00	
Rate Rider for Disposition of Class B Post 2011 Global Adjustment Variance Account (Applic	per kWh	\$ 0.00663		\$ -			\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)				\$ 64,923.20			\$ 64,230.96	-\$ 692.25	-1.07%
RTSR - Network	per kW	\$ 2.8707	8,491	\$ 24,375.11	\$ 2.9419	8,491	\$ 24,979.67	\$ 604.56	2.48%
RTSR - Line and Transformation Connection	per kW	\$ 2.1325	8,491	\$ 18,107.06	\$ 2.1787	8,491	\$ 18,499.34	\$ 392.28	2.17%
Sub-Total C - Delivery (including Sub-Total B)				\$ 107,405.37			\$ 107,709.97	\$ 304.60	0.28%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0032	4,584,150	\$ 14,669.28	\$ 0.0032	4,584,150	\$ 14,669.28	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0021	4,584,150	\$ 9,626.72	\$ 0.0003	4,584,150	\$ 1,375.25	-\$ 8,251.47	-85.71%
Standard Supply Service Charge	per 30 days	\$ 0.25	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	4,500,000	\$ 31,500.00	\$ 0.0070	4,500,000	\$ 31,500.00	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0650	2,880,000	\$ 187,200.00	\$ 0.0650	2,880,000	\$ 187,200.00	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.0950	810,000	\$ 76,950.00	\$ 0.0950	810,000	\$ 76,950.00	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1320	810,000	\$ 106,920.00	\$ 0.1320	810,000	\$ 106,920.00	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0770	750	\$ 57.75	\$ 0.0770	750	\$ 57.75	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.0900	4,499,250	\$ 404,932.50	\$ 0.0900	4,499,250	\$ 404,932.50	\$ -	0.00%
Non-RPP Retailer Avg. Price	per kWh	\$ 0.1101		\$ -	\$ 0.1101	0	\$ -	\$ -	
Average IESO Wholesale Market Price	per kWh	\$ 0.1101	4,500,000	\$ 495,450.00	\$ 0.1101	4,500,000	\$ 495,450.00	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price (before Taxes)				\$ 658,651.62			\$ 650,704.75	-\$ 7,946.87	-1.2%
8% Provincial Rebate		-8%			-8%				
HST		13%		\$ 85,624.71	13%		\$ 84,591.62	-\$ 1,033.09	-1.21%
Total Bill on Average IESO Wholesale Market Price (after Tax and Rebate)				\$ 744,276.33			\$ 735,296.36	-\$ 8,979.97	-1.21%
Total Bill on RPP (before Taxes)				\$ 568,191.87			\$ 560,245.00	-\$ 7,946.87	-1.40%
8% Provincial Rebate		-8%			-8%				
HST		13%		\$ 73,864.94	13%		\$ 72,831.85	-\$ 1,033.09	-1.40%
Total Bill on RPP (after Tax and Rebate)				\$ 642,056.81			\$ 633,076.84	-\$ 8,979.97	-1.40%

Loss Factor (%)

1.87%

1.87%

Appendix 2-W Bill Impacts

Toronto Hydro-Electric System Limited

EB-2017-0077

Tab 5, Schedule 1

ORIGINAL

Page 7 of 8

Customer Class: **STREET LIGHTING SERVICE**

TOU / non-TOU: **non-TOU**
SPOT CLASS B

Consumption

16,420 Devices
2,704.044 kW
2,704.044 kVA
1,190,642 kWh

☒ May 1 - October 31

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

		Current Board-Approved			2018 Proposed			Impact	
Charge Unit		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Service Charge (per device)	per device per 30 days	\$ 1.47	16,420	\$ 24,137.40	\$ 1.55	16,420	\$ 25,451.00	\$ 1,313.60	5.44%
Distribution Volumetric Rate	per kVA	\$ 32.6533	2,704.044	\$ 88,295.96	\$ 34.4884	2,704.044	\$ 93,258.15	\$ 4,962.19	5.62%
Rate Rider for Disposition of Post Employment Benefit - Tax Savings	per kVA	-\$ 0.5347	2,704.044	-\$ 1,445.85	-\$ 0.5347	2,704.044	-\$ 1,445.85	\$ -	0.00%
Rate Rider for Application of Operations Center Consolidation Plan Sharing	per kVA	-\$ 1.6506	2,704.044	-\$ 4,463.30	-\$ 1.6506	2,704.044	-\$ 4,463.30	\$ -	0.00%
Rate Rider for Recovery of the Gain on the Sale of Named Properties	per kVA	\$ 0.0741	2,704.044	\$ 200.37	\$ 0.0741	2,704.044	\$ 200.37	\$ -	0.00%
Rate Rider for Recovery of Hydro One Capital Contributions Variance	per kVA	\$ 0.0312	2,704.044	\$ 84.37	\$ 0.0312	2,704.044	\$ 84.37	\$ -	0.00%
Rate Rider for Application of IFRS - 2014 Derecognition	per kVA	\$ 0.5133	2,704.044	\$ 1,387.99	\$ 0.5133	2,704.044	\$ 1,387.99	\$ -	0.00%
Rate Rider for Recovery of 2015 Foregone Revenue	per kVA		2,704.044	\$ -		2,704.044	\$ -	\$ -	
Rate Rider for Recovery of 2016 Foregone Revenue	per kVA	\$ 0.0478	2,704.044	\$ 129.25	\$ 0.0478	2,704.044	\$ 129.25	\$ -	0.00%
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account	per kVA		2,704.044	\$ -		2,704.044	\$ -	\$ -	
Sub-Total A (excluding pass through)				\$ 108,326.19			\$ 114,601.98	\$ 6,275.79	5.79%
Line Losses on Cost of Power	per kWh	\$ 0.1101	44,768	\$ 4,928.97	\$ 0.1101	44,768	\$ 4,928.97	\$ -	0.00%
Rate Rider for Disposition of Deferral/Variance Account	per kVA	-\$ 1.1636	2,704.044	-\$ 3,146.43	-\$ 1.0882	2,704.044	-\$ 2,942.54	\$ 203.88	-6.48%
Rate Rider for Disposition of Deferral/Variance Account for Non-Wholesale Market Particip	per kVA		2,704.044	\$ -		2,704.044	\$ -	\$ -	
Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account/Rate F	per kVA	\$ 0.0992	2,704.044	\$ 268.24	\$ 0.0247	2,704.044	\$ 66.79	-\$ 201.45	-75.10%
Rate Rider for Disposition of Global Adjustment Variance Account (Applicable only for Non per kWh	per kWh		1,190,642	\$ -	-\$ 0.00112	1,190,642	-\$ 1,333.52	-\$ 1,333.52	
Rate Rider for Disposition of Pre 2011 Global Adjustment Variance Account (Applicable onl	per kWh	\$ 0.00142	1,190,642	\$ 1,690.71			\$ -	-\$ 1,690.71	
Rate Rider for Disposition of Class B Post 2011 Global Adjustment Variance Account (Appli	per kWh	\$ 0.00663	1,190,642	\$ 7,893.96			\$ -	-\$ 7,893.96	
Sub-Total B - Distribution (includes Sub-Total A)				\$ 119,961.65			\$ 115,321.68	-\$ 4,639.97	-3.87%
RTSR - Network	per kW	\$ 2.3182	2,704.044	\$ 6,268.51	\$ 2.3758	2,704	\$ 6,424.27	\$ 155.75	2.48%
RTSR - Line and Transformation Connection	per kW	\$ 2.2910	2,704.044	\$ 6,194.96	\$ 2.3406	2,704	\$ 6,329.09	\$ 134.12	2.16%
Sub-Total C - Delivery (including Sub-Total B)				\$ 132,425.13			\$ 128,075.04	-\$ 4,350.09	-3.28%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0036	1,235,411	\$ 4,447.48	\$ 0.0036	1,235,411	\$ 4,447.48	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0021	1,235,411	\$ 2,594.36	\$ 0.0003	1,235,411	\$ 370.62	-\$ 2,223.74	-85.71%
Standard Supply Service Charge	per 30 days	\$ 0.25	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	1,190,642	\$ 8,334.50	\$ 0.0070	1,190,642	\$ 8,334.50	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0650	762,011	\$ 49,530.73	\$ 0.0650	762,011	\$ 49,530.73	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.0950	214,316	\$ 20,359.99	\$ 0.0950	214,316	\$ 20,359.99	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1320	214,316	\$ 28,289.66	\$ 0.1320	214,316	\$ 28,289.66	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0770	750	\$ 57.75	\$ 0.0770	750	\$ 57.75	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.0900	1,189,892	\$ 107,090.32	\$ 0.0900	1,189,892	\$ 107,090.32	\$ -	0.00%
Non-RPP Retailer Avg. Price	per kWh	\$ 0.1101		\$ -	\$ 0.1101	0	\$ -	\$ -	
Average IESO Wholesale Market Price	per kWh	\$ 0.1101	1,190,642	\$ 131,089.73	\$ 0.1101	1,190,642	\$ 131,089.73	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price (before Taxes)				\$ 278,891.45			\$ 272,317.62	-\$ 6,573.83	-2.4%
8% Provincial Rebate		-8%			-8%				
HST		13%		\$ 36,255.89	13%		\$ 35,401.29	-\$ 854.60	-2.36%
Total Bill on Average IESO Wholesale Market Price (after Tax and Rebate)				\$ 315,147.34			\$ 307,718.91	-\$ 7,428.43	-2.36%
Total Bill on RPP (before Taxes)				\$ 254,949.79			\$ 248,375.95	-\$ 6,573.83	-2.58%
8% Provincial Rebate		-8%			-8%				
HST		13%		\$ 33,143.47	13%		\$ 32,288.87	-\$ 854.60	-2.58%
Total Bill on RPP (after Tax and Rebate)				\$ 288,093.26			\$ 280,664.83	-\$ 7,428.43	-2.58%

Loss Factor (%)

3.76%

3.76%

STREET LIGHTING SERVICE

Appendix 2-W Bill Impacts

Customer Class: **UNMETERED SCATTERED LOAD SERVICE**

TOU / non-TOU: **non-TOU**

RPP

1 Connection

Consumption

365 kWh

☒ May 1 - October 31

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

		Current Board-Approved			2018 Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Service Charge	per 30 days	\$ 6.52	1	\$ 6.52	\$ 6.89	1	\$ 6.89	\$ 0.37	5.67%
Connection Charge (per connection)	per connection per 30 days	\$ 0.67	1	\$ 0.67	\$ 0.71	1	\$ 0.71	\$ 0.04	5.97%
Rate Rider for Recovery of 2015 Foregone Revenue (per connection)	per connection per 30 days	\$ 0.02	1	\$ 0.02	\$ 0.02	1	\$ 0.02	\$ -	0.00%
Rate Rider for Recovery of 2016 Foregone Revenue (per connection)	per connection per 30 days	\$ 0.01	1	\$ 0.01	\$ 0.01	1	\$ 0.01	\$ -	0.00%
Rate Rider for Recovery of 2015 Foregone Revenue	per 30 days	\$ 0.16	1	\$ 0.16	\$ 0.16	1	\$ 0.16	\$ -	0.00%
Rate Rider for Recovery of 2016 Foregone Revenue	per 30 days	\$ 0.05	1	\$ 0.05	\$ 0.05	1	\$ 0.05	\$ -	0.00%
Distribution Volumetric Rate	per kWh	\$ 0.08188	365	\$ 29.89	\$ 0.08648	365	\$ 31.57	\$ 1.68	5.62%
Rate Rider for Recovery of 2015 Foregone Revenue	per kWh	\$ 0.00203	365	\$ 0.74	\$ 0.00203	365	\$ 0.74	\$ -	0.00%
Rate Rider for Recovery of 2016 Foregone Revenue	per kWh	\$ 0.00062	365	\$ 0.23	\$ 0.00062	365	\$ 0.23	\$ -	0.00%
Rate Rider for Disposition of Post Employment Benefit - Tax Savings	per kWh	-\$ 0.00096	365	-\$ 0.35	-\$ 0.00096	365	-\$ 0.35	\$ -	0.00%
Rate Rider for Application of Operations Center Consolidation Plan Sharing	per kWh	-\$ 0.00296	365	-\$ 1.08	-\$ 0.00296	365	-\$ 1.08	\$ -	0.00%
Rate Rider for Recovery of the Gain on the Sale of Named Properties	per kWh	\$ 0.00029	365	\$ 0.11	\$ 0.00029	365	\$ 0.11	\$ -	0.00%
Rate Rider for Recovery of Hydro One Capital Contributions Variance	per kWh	\$ 0.00006	365	\$ 0.02	\$ 0.00006	365	\$ 0.02	\$ -	0.00%
Rate Rider for Application of IFRS - 2014 Derecognition	per kWh	\$ 0.00092	365	\$ 0.34	\$ 0.00092	365	\$ 0.34	\$ -	0.00%
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account	per kWh		365	\$ -		365	\$ -	\$ -	
Sub-Total A (excluding pass through)				\$ 37.32			\$ 39.41	\$ 2.09	5.60%
Line Losses on Cost of Power	per kWh	\$ 0.0770	14	\$ 1.06	\$ 0.0770	14	\$ 1.06	\$ -	0.00%
Rate Rider for Disposition of Deferral/Variance Account	per kWh	-\$ 0.00335	365	-\$ 1.22	-\$ 0.00317	365	-\$ 1.16	\$ 0.07	-5.37%
Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account/Rate Rider	per kWh	\$ 0.00029	365	\$ 0.11	\$ 0.00007	365	\$ 0.03	-\$ 0.08	-75.86%
Rate Rider for Disposition of Global Adjustment Variance Account (Applicable only for Non-RPP)	per kWh			\$ -	-\$ 0.00112		\$ -	\$ -	
Rate Rider for Disposition of Pre 2011 Global Adjustment Variance Account (Applicable only for Non-RPP)	per kWh	\$ 0.00129					\$ -	\$ -	
Rate Rider for Disposition of Class B Post 2011 Global Adjustment Variance Account (Applicable only for Non-RPP)	per kWh	\$ 0.00663					\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)				\$ 37.26			\$ 39.33	\$ 2.07	5.57%
RTSR - Network	per kWh	\$ 0.00463	379	\$ 1.75	\$ 0.00478	379	\$ 1.81	\$ 0.06	3.24%
RTSR - Line and Transformation Connection	per kWh	\$ 0.00358	379	\$ 1.36	\$ 0.00373	379	\$ 1.41	\$ 0.06	4.19%
Sub-Total C - Delivery (including Sub-Total B)				\$ 40.37			\$ 42.55	\$ 2.19	5.42%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0036	379	\$ 1.36	\$ 0.0036	379	\$ 1.36	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0021	379	\$ 0.80	\$ 0.0003	379	\$ 0.11	-\$ 0.68	-85.71%
Standard Supply Service Charge	per 30 days	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	365	\$ 2.56	\$ 0.0070	365	\$ 2.56	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0650	237	\$ 15.42	\$ 0.0650	237	\$ 15.42	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.0950	62	\$ 5.89	\$ 0.0950	62	\$ 5.89	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1320	66	\$ 8.67	\$ 0.1320	66	\$ 8.67	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0770	365	\$ 28.11	\$ 0.0770	365	\$ 28.11	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.0900	-	\$ -	\$ 0.0900	-	\$ -	\$ -	
Non-RPP Retailer Avg. Price	per kWh	\$ 0.1122		\$ -	\$ 0.1122	0	\$ -	\$ -	
Average IESO Wholesale Market Price	per kWh	\$ 0.1122		\$ -	\$ 0.1122	-	\$ -	\$ -	
Total Bill on RPP (before Taxes)				\$ 73.43			\$ 74.94	\$ 1.51	2.1%
8% Provincial Rebate		-8%		\$ 5.87	-8%		\$ 6.00	-\$ 0.12	2.05%
HST		13%		\$ 9.55	13%		\$ 9.74	\$ 0.20	2.05%
Total Bill on RPP (after Tax and Rebate)				\$ 77.11			\$ 78.69	\$ 1.58	2.05%

Loss Factor (%)

3.76%

3.76%

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

Toronto Hydro-Electric System Limited
EB-2017-0077
Tab 6, Schedule 1
(21 pages)

EB-2016-0254

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	\$	27.69	(per 30 days)
Rate Rider for Recovery of 2008 – 2010 Smart Meter Costs – effective until April 30, 2017	\$	0.08	(per 30 days)
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.78	(per 30 days)
Rate Rider for Recovery of Stranded Meter Assets – effective until December 31, 2019	\$	0.28	(per 30 days)
Rate Rider for Disposition of Post Employment Benefit – Tax Savings – effective until December 31, 2018	\$	(0.48)	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan Sharing – effective until December 31, 2018	\$	(1.48)	(per 30 days)
Rate Rider for Recovery of the Gain on the Sale of Named Properties – effective until December 31, 2019	\$	0.10	(per 30 days)
Rate Rider for Recovery of Hydro One Capital Contributions Variance – effective until December 31, 2019	\$	0.03	(per 30 days)
Rate Rider for Application of IFRS – 2014 Derecognition – effective until December 31, 2019	\$	0.46	(per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue – effective until December 31, 2019	\$	0.88	(per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue – effective until December 31, 2019	\$	0.28	(per 30 days)
Distribution Volumetric Rate	\$/kWh	0.01512	
Rate Rider for Disposition of Deferral/Variance Account – effective until December 31, 2017	\$/kWh	(0.00341)	
Rate Rider for Disposition of LRAM Variance Account – effective until December 31, 2017	\$/kWh	0.00007	
Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account – effective until December 31, 2017	\$/kWh	0.00029	
Rate Rider for Disposition of Pre 2011 Global Adjustment Variance Account – effective until December 31, 2017 (Applicable only for Non-RPP Customers)	\$/kWh	0.00363	
Rate Rider for Disposition of Class B Post 2011 Global Adjustment Variance Account – effective until December 31, 2017 (Applicable only for Non-RPP Customers)	\$/kWh	0.00663	
Retail Transmission Rate – Network Service Rate	\$/kWh	0.00763	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.00567	

Issued December 15, 2016
Revised December 21, 2016

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

EB-2016-0254

RESIDENTIAL SERVICE CLASSIFICATION

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) – Not including CBR	\$/kWh	0.0032	
Capacity Based Recovery (CBR) – Applicable for Class B Customers	\$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021	
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011	
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, 2017

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

EB-2016-0254

COMPETITIVE SECTOR MULTI-UNIT RESIDENTIAL SERVICE

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	\$	22.94	(per 30 days)
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.78	(per 30 days)
Rate Rider for Disposition of Post Employment Benefit – Tax Savings – effective until December 31, 2018	\$	(0.19)	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan Sharing – effective until December 31, 2018	\$	(0.59)	(per 30 days)
Rate Rider for Recovery of the Gain on the Sale of Named Properties – effective until December 31, 2019	\$	0.04	(per 30 days)
Rate Rider for Recovery of Hydro One Capital Contributions Variance – effective until December 31, 2019	\$	0.01	(per 30 days)
Rate Rider for Application of IFRS – 2014 Derecognition – effective until December 31, 2019	\$	0.18	(per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue – effective until December 31, 2019	\$	0.19	(per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue – effective until December 31, 2019	\$	0.09	(per 30 days)
Distribution Volumetric Rate	\$/kWh	0.02315	
Rate Rider for Disposition of Deferral/Variance Account – effective until December 31, 2017	\$/kWh	(0.00346)	
Rate Rider for Disposition of LRAM Variance Account – effective until December 31, 2017	\$/kWh	0.00005	
Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account – effective until December 31, 2017	\$/kWh	0.00029	
Rate Rider for Disposition of Pre 2011 Global Adjustment Variance Account – effective until December 31, 2017 (Applicable only for Non-RPP Customers)	\$/kWh	0.00154	
Rate Rider for Disposition of Class B Post 2011 Global Adjustment Variance Account – effective until December 31, 2017 (Applicable only for Non-RPP Customers)	\$/kWh	0.00663	
Retail Transmission Rate – Network Service Rate	\$/kWh	0.00763	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.00567	

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Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

EB-2016-0254

COMPETITIVE SECTOR MULTI-UNIT RESIDENTIAL SERVICE

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) – Not including CBR	\$/kWh	0.0032	
Capacity Based Recovery (CBR) – Applicable for Class B Customers	\$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021	
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011	
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, 2017

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EB-2016-0254

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified on the preceding Residential Service Classifications of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

APPLICATION

The application of the credits is in accordance with the Distribution System Code (Section 9) and subsection 79.2 of the Ontario Energy Board Act, 1998.

The application of these credits 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.

In this class:

"Aboriginal person" includes a person who is a First Nations person, a Métis person or an Inuit person;

"account-holder" means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year;

"electricity-intensive medical device" means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;

"household" means the account-holder and any other people living at the accountholder's service address for at least six months in a year, including people other than the account-holder's spouse, children or other relatives;

"household income" means the combined annual after-tax income of all members of a household aged 16 or over;

MONTHLY RATES AND CHARGES

Class A

(a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons;

(d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons; but does not include account-holders in Class E.

OESP Credit \$ (30.00)

Class B

(a) account-holders with a household income of \$28,000 or less living in a household of three persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons; but does not include account-holders in Class F.

OESP Credit \$ (34.00)

Class C

(a) account-holders with a household income of \$28,000 or less living in a household of four persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons; but does not include

account-holders in Class G.

OESP Credit \$ (38.00)

Class D

(a) account-holders with a household income of \$28,000 or less living in a household of five persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons; but does not include account-holders in Class H.

OESP Credit \$ (42.00)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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EB-2016-0254

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

Class E

Class E comprises account-holders with a household income and household size described under Class A who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (45.00)

Class F

- (a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or
- (c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:
 - i. the dwelling to which the account relates is heated primarily by electricity;
 - ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
 - iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (50.00)

Class G

Class G comprises account-holders with a household income and household size described under Class C who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (55.00)

Class H

Class H comprises account-holders with a household income and household size described under Class D who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (60.00)

Class I

Class I comprises account-holders with a household income and household size described under paragraphs (a) or (b) of Class F who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (75.00)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

EB-2016-0254

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	\$	32.68	(per 30 days)
Rate Rider for Recovery of 2008 – 2010 Smart Meter Costs – effective until April 30, 2017	\$	5.60	(per 30 days)
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.78	(per 30 days)
Rate Rider for Recovery of Stranded Meter Assets – effective until December 31, 2019	\$	1.55	(per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue – effective until December 31, 2019	\$	0.79	(per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue – effective until December 31, 2019	\$	0.25	(per 30 days)
Distribution Volumetric Rate	\$/kWh	0.03023	
Rate Rider for Disposition of Post Employment Benefit – Tax Savings – effective until December 31, 2018	\$/kWh	(0.00051)	
Rate Rider for Application of Operations Center Consolidation Plan Sharing – effective until December 31, 2018	\$/kWh	(0.00156)	
Rate Rider for Recovery of the Gain on the Sale of Named Properties – effective until December 31, 2019	\$/kWh	0.00013	
Rate Rider for Recovery of Hydro One Capital Contributions Variance – effective until December 31, 2019	\$/kWh	0.00003	
Rate Rider for Application of IFRS – 2014 Derecognition – effective until December 31, 2019	\$/kWh	0.00049	
Rate Rider for Recovery of 2015 Foregone Revenue – effective until December 31, 2019	\$/kWh	0.00076	
Rate Rider for Recovery of 2016 Foregone Revenue – effective until December 31, 2019	\$/kWh	0.00024	
Rate Rider for Disposition of Deferral/Variance Account – effective until December 31, 2017	\$/kWh	(0.00337)	
Rate Rider for Disposition of LRAM Variance Account – effective until December 31, 2017	\$/kWh	0.00072	
Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account – effective until December 31, 2017	\$/kWh	0.00029	
Rate Rider for Disposition of Pre 2011 Global Adjustment Variance Account – effective until December 31, 2017 (Applicable only for Non-RPP Customers)	\$/kWh	0.00145	
Rate Rider for Disposition of Class B Post 2011 Global Adjustment Variance Account – effective until December 31, 2017 (Applicable only for Non-RPP Customers)	\$/kWh	0.00663	
Retail Transmission Rate – Network Service Rate	\$/kWh	0.00738	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.00511	

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Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

This schedule supersedes and replaces all previously
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EB-2016-0254

GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) – Not including CBR	\$/kWh	0.0032	
Capacity Based Recovery (CBR) – Applicable for Class B Customers	\$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021	
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011	
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, 2017

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

EB-2016-0254

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	\$	47.00	(per 30 days)
Rate Rider for Recovery of 2008 – 2010 Smart Meter Costs – effective until April 30, 2017	\$	18.79	(per 30 days)
Rate Rider for Recovery of Stranded Meter Assets – effective until December 31, 2019	\$	4.64	(per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue – effective until December 31, 2019	\$	1.01	(per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue – effective until December 31, 2019	\$	0.30	(per 30 days)
Distribution Volumetric Rate	\$/kVA	7.3977	(per 30 days)
Rate Rider for Disposition of Post Employment Benefit – Tax Savings – effective until December 31, 2018	\$/kVA	(0.0814)	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan Sharing – effective until December 31, 2018	\$/kVA	(0.2512)	(per 30 days)
Rate Rider for Recovery of the Gain on the Sale of Named Properties – effective until December 31, 2019	\$/kVA	0.0114	(per 30 days)
Rate Rider for Recovery of Hydro One Capital Contributions Variance – effective until December 31, 2019	\$/kVA	0.0047	(per 30 days)
Rate Rider for Application of IFRS – 2014 Derecognition – effective until December 31, 2019	\$/kVA	0.0781	(per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue – effective until December 31, 2019	\$/kVA	0.1659	(per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue – effective until December 31, 2019	\$/kVA	0.0498	(per 30 days)

Issued December 15, 2016
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Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

EB-2016-0254

GENERAL SERVICE 50 to 999 kW SERVICE CLASSIFICATION

Rate Rider for Disposition of Deferral/Variance Account – effective until December 31, 2017	\$/kVA	1.6391	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Account for Non-Wholesale Market Participant Customers – effective until December 31, 2017	\$/kVA	(2.8665)	(per 30 days)
Rate Rider for Disposition of LRAM Variance Account – effective until December 31, 2017	\$/kVA	0.0893	(per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account – effective until December 31, 2017	\$/kVA	0.1048	(per 30 days)
Rate Rider for Disposition of Pre 2011 Global Adjustment Variance Account – effective until December 31, 2017 (Applicable only for Non-RPP Customers)	\$/kWh	0.00152	
Rate Rider for Disposition of Class B Post 2011 Global Adjustment Variance Account – effective until December 31, 2017 (Applicable only for Non-RPP Customers)	\$/kWh	0.00663	
Retail Transmission Rate – Network Service Rate	\$/kW	2.6065	(per 30 days)
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.9214	(per 30 days)

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) – Not including CBR	\$/kWh	0.0032	
Capacity Based Recovery (CBR) – Applicable for Class B Customers	\$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021	
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011	
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, 2017

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EB-2016-0254

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	\$	897.86	(per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue – effective until December 31, 2019	\$	18.89	(per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue – effective until December 31, 2019	\$	5.48	(per 30 days)
Distribution Volumetric Rate	\$/kVA	5.8201	(per 30 days)
Rate Rider for Disposition of Post Employment Benefit – Tax Savings – effective until December 31, 2018	\$/kVA	(0.0653)	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan Sharing – effective until December 31, 2018	\$/kVA	(0.2017)	(per 30 days)
Rate Rider for Recovery of the Gain on the Sale of Named Properties – effective until December 31, 2019	\$/kVA	0.0056	(per 30 days)
Rate Rider for Recovery of Hydro One Capital Contributions Variance – effective until December 31, 2019	\$/kVA	0.0038	(per 30 days)
Rate Rider for Application of IFRS – 2014 Derecognition – effective until December 31, 2019	\$/kVA	0.0627	(per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue – effective until December 31, 2019	\$/kVA	0.1226	(per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue – effective until December 31, 2019	\$/kVA	0.0356	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Account – effective until December 31, 2017	\$/kVA	1.9195	(per 30 days)

Issued December 15, 2016
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Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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GENERAL SERVICE 1,000 to 4,999 kW SERVICE CLASSIFICATION

Rate Rider for Disposition of Deferral/Variance Account for Non-Wholesale Market Participant Customers – effective until December 31, 2017	\$/kVA	(3.3608)	(per 30 days)
Rate Rider for Disposition of LRAM Variance Account – effective until December 31, 2017	\$/kVA	0.0332	(per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account – effective until December 31, 2017	\$/kVA	0.1207	(per 30 days)
Rate Rider for Disposition of Pre 2011 Global Adjustment Variance Account – effective until December 31, 2017 (Applicable only for Non-RPP Customers)	\$/kWh	0.00150	
Rate Rider for Disposition of Class B Post 2011 Global Adjustment Variance Account – effective until December 31, 2017 (Applicable only for Non-RPP Customers)	\$/kWh	0.00663	
Retail Transmission Rate – Network Service Rate	\$/kW	2.5183	(per 30 days)
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.9195	(per 30 days)

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) – Not including CBR	\$/kWh	0.0032	
Capacity Based Recovery (CBR) – Applicable for Class B Customers	\$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021	
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011	
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, 2017

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

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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	\$	3,963.22	(per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue – effective until December 31, 2019	\$	85.84	(per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue – effective until December 31, 2019	\$	25.18	(per 30 days)
Distribution Volumetric Rate	\$/kVA	6.2436	(per 30 days)
Rate Rider for Disposition of Post Employment Benefit – Tax Savings – effective until December 31, 2018	\$/kVA	(0.0675)	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan Sharing – effective until December 31, 2018	\$/kVA	(0.2084)	(per 30 days)
Rate Rider for Recovery of the Gain on the Sale of Named Properties – effective until December 31, 2019	\$/kVA	0.0044	(per 30 days)
Rate Rider for Recovery of Hydro One Capital Contributions Variance – effective until December 31, 2019	\$/kVA	0.0039	(per 30 days)
Rate Rider for Application of IFRS – 2014 Derecognition – effective until December 31, 2019	\$/kVA	0.0648	(per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue – effective until December 31, 2019	\$/kVA	0.1382	(per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue – effective until December 31, 2019	\$/kVA	0.0406	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Account – effective until December 31, 2017	\$/kVA	2.0648	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Account for Non-Wholesale Market Participant Customers – effective until December 31, 2017	\$/kVA	(3.5855)	(per 30 days)
Rate Rider for Disposition of LRAM Variance Account – effective until December 31, 2017	\$/kVA	0.0678	(per 30 days)

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Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

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LARGE USE SERVICE CLASSIFICATION

Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account – effective until December 31, 2017	\$/kVA	0.0623	(per 30 days)
Rate Rider for Disposition of Pre 2011 Global Adjustment Variance Account – effective until December 31, 2017 (Applicable only for Non-RPP Customers)	\$/kWh	0.00147	
Rate Rider for Disposition of Class B Post 2011 Global Adjustment Variance Account – effective until December 31, 2017 (Applicable only for Non-RPP Customers)	\$/kWh	0.00663	
Retail Transmission Rate – Network Service Rate	\$/kW	2.8707	(per 30 days)
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	2.1325	(per 30 days)

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) – Not including CBR	\$/kWh	0.0032	
Capacity Based Recovery (CBR) – Applicable for Class B Customers	\$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021	
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011	
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, 2017

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

EB-2016-0254

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	\$	224.98	(per 30 days)
Distribution Volumetric Rate			
For General Service 50 – 999 kW Service Classification	\$/kVA	7.3977	(per 30 days)
For General Service 1,000 – 4,999 kW Service Classification	\$/kVA	5.8201	(per 30 days)
For Large Use Service Classification	\$/kVA	6.2436	(per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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EB-2016-0254

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	\$	6.52	(per 30 days)
Connection Charge (per connection)	\$	0.67	(per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue – effective until December 31, 2019	\$	0.16	(per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue (per connection)			
– effective until December 31, 2019	\$	0.02	(per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue – effective until December 31, 2019	\$	0.05	(per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue (per connection)			
– effective until December 31, 2019	\$	0.01	(per 30 days)
Distribution Volumetric Rate	\$/kWh	0.08188	
Rate Rider for Disposition of Post Employment Benefit – Tax Savings			
– effective until December 31, 2018	\$/kWh	(0.00096)	
Rate Rider for Application of Operations Center Consolidation Plan Sharing			
– effective until December 31, 2018	\$/kWh	(0.00296)	
Rate Rider for Recovery of the Gain on the Sale of Named Properties			
– effective until December 31, 2019	\$/kWh	0.00029	
Rate Rider for Recovery of Hydro One Capital Contributions Variance			
– effective until December 31, 2019	\$/kWh	0.00006	
Rate Rider for Application of IFRS – 2014 Derecognition – effective until December 31, 2019	\$/kWh	0.00092	
Rate Rider for Recovery of 2015 Foregone Revenue – effective until December 31, 2019	\$/kWh	0.00203	
Rate Rider for Recovery of 2016 Foregone Revenue – effective until December 31, 2019	\$/kWh	0.00062	
Rate Rider for Disposition of Deferral/Variance Account – effective until December 31, 2017	\$/kWh	(0.00335)	
Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account			
– effective until December 31, 2017	\$/kWh	0.00029	
Rate Rider for Disposition of Pre 2011 Global Adjustment Variance Account			
– effective until December 31, 2017 (Applicable only for Non-RPP Customers)	\$/kWh	0.00129	
Rate Rider for Disposition of Class B Post 2011 Global Adjustment Variance Account			
– effective until December 31, 2017 (Applicable only for Non-RPP Customers)	\$/kWh	0.00663	

Issued December 15, 2016
Revised December 21, 2016

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

EB-2016-0254

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

Retail Transmission Rate – Network Service Rate	\$/kWh	0.00463
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.00358

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) – Not including CBR	\$/kWh	0.0032	
Capacity Based Recovery (CBR) – Applicable for Class B Customers	\$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021	
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011	
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, 2017

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

EB-2016-0254

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)	\$	1.47	(per 30 days)
Distribution Volumetric Rate	\$/kVA	32.6533	(per 30 days)
Rate Rider for Disposition of Post Employment Benefit – Tax Savings – effective until December 31, 2018	\$/kVA	(0.5347)	(per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan Sharing – effective until December 31, 2018	\$/kVA	(1.6506)	(per 30 days)
Rate Rider for Recovery of the Gain on the Sale of Named Properties – effective until December 31, 2019	\$/kVA	0.0741	(per 30 days)
Rate Rider for Recovery of Hydro One Capital Contributions Variance – effective until December 31, 2019	\$/kVA	0.0312	(per 30 days)
Rate Rider for Application of IFRS – 2014 Derecognition – effective until December 31, 2019	\$/kVA	0.5133	(per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue – effective until December 31, 2019	\$/kVA	0.0478	(per 30 days)
Rate Rider for Disposition of Deferral/Variance Account – effective until December 31, 2017	\$/kVA	(1.1636)	(per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Class B Variance Sub-Account – effective until December 31, 2017	\$/kVA	0.0992	(per 30 days)
Rate Rider for Disposition of Pre 2011 Global Adjustment Variance Account – effective until December 31, 2017 (Applicable only for Non-RPP Customers)	\$/kWh	0.00142	
Rate Rider for Disposition of Class B Post 2011 Global Adjustment Variance Account – effective until December 31, 2017 (Applicable only for Non-RPP Customers)	\$/kWh	0.00663	
Retail Transmission Rate – Network Service Rate	\$/kW	2.3182	(per 30 days)
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	2.2910	(per 30 days)

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) – Not including CBR	\$/kWh	0.0032	
Capacity Based Recovery (CBR) – Applicable for Class B Customers	\$/kWh	0.0004	
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021	
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011	
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, 2017

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

EB-2016-0254

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)
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ALLOWANCES

Transformer Allowance for Ownership	\$/kVA	(0.62)	(per 30 days)
Primary Metering Allowance for transformer losses – applied to measured demand and energy	%	(1.00)	

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

EB-2016-0254

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 Charge (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	%	1.50
Late Payment - per annum	%	19.56
Collection of Account Charge – No Disconnection	\$	55.00
Disconnect/Reconnect Charges for Non-Payment of Account		
- At Meter - During Regular Hours	\$	120.00
- At Meter - After Regular Hours	\$	400.00
- At Pole - During Regular Hours	\$	300.00
- At Pole - After Regular Hours	\$	820.00
Install/Remove Load Control Device – During Regular hours	\$	120.00
Install/Remove Load Control Device – After Regular hours	\$	400.00

Other

Service Call – Customer Owned Equipment	\$	55.00
Disconnect/Reconnect at Meter – During Regular Hours	\$	120.00
Disconnect/Reconnect at Meter – After Regular Hours	\$	400.00
Disconnect/Reconnect at Pole - During Regular Hours	\$	300.00
Disconnect/Reconnect 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	\$	42.00

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2017

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

EB-2016-0254

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	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
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)	\$	2.00

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	1.0376
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0187
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0272
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0085

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2018

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

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	\$	32.69 (per 30 days)
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.78 (per 30 days)
Rate Rider for Recovery of Stranded Meter Assets - effective until December 31, 2019	\$	0.28 (per 30 days)
Rate Rider for Disposition of Post Employment Benefit - Tax Savings - effective until December 31, 2018	\$	(0.48) (per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan Sharing - effective until December 31, 2018	\$	(1.48) (per 30 days)
Rate Rider for Recovery of the Gain on the Sale of Named Properties - effective until December 31, 2019	\$	0.10 (per 30 days)
Rate Rider for Recovery of Hydro One Capital Contributions Variance - effective until December 31, 2019	\$	0.03 (per 30 days)
Rate Rider for Application of IFRS - 2014 Derecognition - effective until December 31, 2019	\$	0.46 (per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue - effective until December 31, 2019	\$	0.88 (per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue - effective until December 31, 2019	\$	0.28 (per 30 days)
Distribution Volumetric Rate	\$/kWh	0.01065
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018 Applicable only for Non-RPP Customers	\$/kWh	(0.00112)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until December 31, 2018	\$/kWh	0.00041
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kWh	(0.00320)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018 Applicable only for Class B Customers	\$/kWh	0.00007
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00790
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.00590

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.00320
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.00040
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.00030
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, 2018

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

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	\$	26.86 (per 30 days)
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.78 (per 30 days)
Rate Rider for Disposition of Post Employment Benefit - Tax Savings - effective until December 31, 2018	\$	(0.19) (per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan Sharing - effective until December 31, 2018	\$	(0.59) (per 30 days)
Rate Rider for Recovery of the Gain on the Sale of Named Properties - effective until December 31, 2019	\$	0.04 (per 30 days)
Rate Rider for Recovery of Hydro One Capital Contributions Variance - effective until December 31, 2019	\$	0.01 (per 30 days)
Rate Rider for Application of IFRS - 2014 Derecognition - effective until December 31, 2019	\$	0.18 (per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue - effective until December 31, 2019	\$	0.19 (per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue - effective until December 31, 2019	\$	0.09 (per 30 days)
Distribution Volumetric Rate	\$/kWh	0.01630
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018		
Applicable only for Non-RPP Customers	\$/kWh	(0.00112)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until December 31, 2018	\$/kWh	0.00067
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kWh	(0.00391)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018		
Applicable only for Class B Customers	\$/kWh	0.00007
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00790
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.00590

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.00320
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.00040
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.00030
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25 (per 30 days)

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified on page 1 of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

APPLICATION

The application of the charges are in accordance with the Distribution System Code (Section 9) and subsection 79.2(4) of the Ontario Energy Board Act, 1998.

The application of these 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.

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2018

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

In this class:

"Aboriginal person" includes a person who is a First Nations person, a Métis person or an Inuit person;
 "account-holder" means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year;
 "electricity-intensive medical device" means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;
 "household" means the account-holder and any other people living at the accountholder's service address for at least six months in a year, including people other than the account-holder's spouse, children or other relatives;
 "household income" means the combined annual after-tax income of all members of a household aged 16 or over;

MONTHLY RATES AND CHARGES

Class A

(a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;
 (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;
 (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons; and
 (d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons;
 but does not include account-holders in Class E.
 OESP Credit

\$ (30.00)

Class B

(a) account-holders with a household income of \$28,000 or less living in a household of three persons;
 (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;
 (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons;
 but does not include account-holders in Class F.
 OESP Credit

\$ (34.00)

Class C

(a) account-holders with a household income of \$28,000 or less living in a household of four persons;
 (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;
 (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons;
 but does not include account-holders in Class G.
 OESP Credit

\$ (38.00)

Class D

(a) account-holders with a household income of \$28,000 or less living in a household of five persons; and
 (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons;
 but does not include account-holders in Class H.
 OESP Credit

\$ (42.00)

Class E

Class E comprises account-holders with a household income and household size described under Class A who also meet any of the following conditions:

(a) the dwelling to which the account relates is heated primarily by electricity;
 (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
 (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (45.00)

Class F

(a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;
 (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or
 (c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:
 i. the dwelling to which the account relates is heated primarily by electricity;
 ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
 iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates

OESP Credit \$ (50.00)

Toronto Hydro-Electric System Limited
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

Class G

Class G comprises account-holders with a household income and household size described under Class C who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (55.00)

Class H

Class H comprises account-holders with a household income and household size described under Class D who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person ; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (60.00)

Class I

Class I comprises account-holders with a household income and household size described under paragraphs (a) or (b) of Class F who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (75.00)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2018

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

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	\$	34.52 (per 30 days)
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.78 (per 30 days)
Rate Rider for Recovery of Stranded Meter Assets - effective until December 31, 2019	\$	1.55 (per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue - effective until December 31, 2019	\$	0.79 (per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue - effective until December 31, 2019	\$	0.25 (per 30 days)
Distribution Volumetric Rate	\$/kWh	0.03193
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018		
Applicable only for Class B Customers	\$/kWh	0.00007
Rate Rider for Disposition of Post Employment Benefit - Tax Savings - effective until December 31, 2018	\$/kWh	(0.00051)
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018		
Applicable only for Non-RPP Customers	\$/kWh	(0.00112)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until December 31, 2018	\$/kWh	(0.00019)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kWh	(0.00318)
Rate Rider for Application of Operations Center Consolidation Plan Sharing - effective until December 31, 2018	\$/kWh	(0.00156)
Rate Rider for Recovery of the Gain on the Sale of Named Properties - effective until December 31, 2019	\$/kWh	0.00013
Rate Rider for Recovery of Hydro One Capital Contributions Variance - effective until December 31, 2019	\$/kWh	0.00003
Rate Rider for Application of IFRS - 2014 Derecognition - effective until December 31, 2019	\$/kWh	0.00049
Rate Rider for Recovery of 2015 Foregone Revenue - effective until December 31, 2019	\$/kWh	0.00076
Rate Rider for Recovery of 2016 Foregone Revenue - effective until December 31, 2019	\$/kWh	0.00024
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00769
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.00528

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.00320
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.00040
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.00030
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, 2018

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

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	\$	49.64 (per 30 days)
Rate Rider for Recovery of Stranded Meter Assets - effective until December 31, 2019	\$	4.64 (per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue - effective until December 31, 2019	\$	1.01 (per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue - effective until December 31, 2019	\$	0.30 (per 30 days)
Distribution Volumetric Rate	\$/kVA	7.8135 (per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018 Applicable only for Class B Customers	\$/kVA	0.0290 (per 30 days)
Rate Rider for Disposition of Post Employment Benefit - Tax Savings - effective until December 31, 2018	\$/kVA	(0.0814) (per 30 days)
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018 Applicable only for Non-RPP Customers	\$/kWh	(0.00112)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until December 31, 2018	\$/kVA	0.0912 (per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018 Applicable only for Non-Wholesale Market Participants	\$/kVA	(0.5224) (per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kVA	(0.7590) (per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan Sharing - effective until December 31, 2018	\$/kVA	(0.2512) (per 30 days)
Rate Rider for Recovery of the Gain on the Sale of Named Properties - effective until December 31, 2019	\$/kVA	0.0114 (per 30 days)
Rate Rider for Recovery of Hydro One Capital Contributions Variance - effective until December 31, 2019	\$/kVA	0.0047 (per 30 days)
Rate Rider for Application of IFRS - 2014 Derecognition - effective until December 31, 2019	\$/kVA	0.0781 (per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue - effective until December 31, 2019	\$/kVA	0.1659 (per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue - effective until December 31, 2019	\$/kVA	0.0498 (per 30 days)
Retail Transmission Rate - Network Service Rate	\$/kW	2.6712 (per 30 days)
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.9630 (per 30 days)

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.00320
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.00040
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.00030
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, 2018

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

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	\$	948.32 (per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue - effective until December 31, 2019	\$	18.89 (per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue - effective until December 31, 2019	\$	5.48 (per 30 days)
Distribution Volumetric Rate	\$/kVA	6.1472 (per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018 Applicable only for Class B Customers	\$/kVA	0.0309 (per 30 days)
Rate Rider for Disposition of Post Employment Benefit - Tax Savings - effective until December 31, 2018	\$/kVA	(0.0653) (per 30 days)
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018 Applicable only for Non-RPP Customers	\$/kWh	(0.00112)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until December 31, 2018	\$/kVA	0.1049 (per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018 Applicable only for Non-Wholesale Market Participants	\$/kVA	(0.5740) (per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kVA	(0.8331) (per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan Sharing - effective until December 31, 2018	\$/kVA	(0.2017) (per 30 days)
Rate Rider for Recovery of the Gain on the Sale of Named Properties - effective until December 31, 2019	\$/kVA	0.0056 (per 30 days)
Rate Rider for Recovery of Hydro One Capital Contributions Variance - effective until December 31, 2019	\$/kVA	0.0038 (per 30 days)
Rate Rider for Application of IFRS - 2014 Derecognition - effective until December 31, 2019	\$/kVA	0.0627 (per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue - effective until December 31, 2019	\$/kVA	0.1226 (per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue - effective until December 31, 2019	\$/kVA	0.0356 (per 30 days)
Retail Transmission Rate - Network Service Rate	\$/kW	2.5809 (per 30 days)
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.9611 (per 30 days)

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.00320
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.00040
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.00030
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, 2018

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

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	\$	4,185.95 (per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue - effective until December 31, 2019	\$	85.84 (per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue - effective until December 31, 2019	\$	25.18 (per 30 days)
Distribution Volumetric Rate	\$/kVA	6.5945 (per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018		
Applicable only for Class B Customers	\$/kVA	0.0033 (per 30 days)
Rate Rider for Disposition of Post Employment Benefit - Tax Savings - effective until December 31, 2018	\$/kVA	(0.0675) (per 30 days)
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018		
Applicable only for Non-RPP Customers	\$/kWh	(0.00112)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until December 31, 2018	\$/kVA	0.2760 (per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018		
Applicable only for Non-Wholesale Market Participants	\$/kVA	(0.5983) (per 30 days)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kVA	(0.8773) (per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan Sharing - effective until December 31, 2018	\$/kVA	(0.2084) (per 30 days)
Rate Rider for Recovery of the Gain on the Sale of Named Properties - effective until December 31, 2019	\$/kVA	0.0044 (per 30 days)
Rate Rider for Recovery of Hydro One Capital Contributions Variance - effective until December 31, 2019	\$/kVA	0.0039 (per 30 days)
Rate Rider for Application of IFRS - 2014 Derecognition - effective until December 31, 2019	\$/kVA	0.0648 (per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue - effective until December 31, 2019	\$/kVA	0.1382 (per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue - effective until December 31, 2019	\$/kVA	0.0406 (per 30 days)
Retail Transmission Rate - Network Service Rate	\$/kW	2.9419 (per 30 days)
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1787 (per 30 days)

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.00320
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.00040
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.00030
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, 2018

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

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	\$	237.62 (per 30 days)
Distribution Volumetric Rate		
For General Service 50 - 999 kW Service Classification	\$/kVA	7.8135 (per 30 days)
For General Service 1,000 - 4,999 kW Service Classification	\$/kVA	6.1472 (per 30 days)
For Large Use Service Classification	\$/kVA	6.5945 (per 30 days)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2018

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

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	\$	6.89 (per 30 days)
Connection Charge (per connection)	\$	0.71 (per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue - effective until December 31, 2019	\$	0.16 (per 30 days)
Rate Rider for Recovery of 2015 Foregone Revenue (per connection)	\$	0.02 (per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue - effective until December 31, 2019	\$	0.05 (per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue (per connection) - effective until December 31, 2019	\$	0.01 (per 30 days)
Distribution Volumetric Rate	\$/kWh	0.08648
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018		
Applicable only for Class B Customers	\$/kWh	0.00007
Rate Rider for Disposition of Post Employment Benefit - Tax Savings - effective until December 31, 2018	\$/kWh	(0.00096)
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018		
Applicable only for Non-RPP Customers	\$/kWh	(0.00112)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kWh	(0.00317)
Rate Rider for Application of Operations Center Consolidation Plan Sharing - effective until December 31, 2018	\$/kWh	(0.00296)
Rate Rider for Recovery of the Gain on the Sale of Named Properties - effective until December 31, 2019	\$/kWh	0.00029
Rate Rider for Recovery of Hydro One Capital Contributions Variance - effective until December 31, 2019	\$/kWh	0.00006
Rate Rider for Application of IFRS - 2014 Derecognition - effective until December 31, 2019	\$/kWh	0.00092
Rate Rider for Recovery of 2015 Foregone Revenue - effective until December 31, 2019	\$/kWh	0.00203
Rate Rider for Recovery of 2016 Foregone Revenue - effective until December 31, 2019	\$/kWh	0.00062
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00478
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.00373

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.00320
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.00040
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.00030
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, 2018

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

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)	\$	1.55 (per 30 days)
Distribution Volumetric Rate	\$/kVA	34.4884 (per 30 days)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018 Applicable only for Class B Customers	\$/kVA	0.0247 (per 30 days)
Rate Rider for Disposition of Post Employment Benefit - Tax Savings - effective until December 31, 2018	\$/kVA	(0.5347) (per 30 days)
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018 Applicable only for Non-RPP Customers	\$/kWh	(0.00112)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kVA	(1.0882) (per 30 days)
Rate Rider for Application of Operations Center Consolidation Plan Sharing - effective until December 31, 2018	\$/kVA	(1.6506) (per 30 days)
Rate Rider for Recovery of the Gain on the Sale of Named Properties - effective until December 31, 2019	\$/kVA	0.0741 (per 30 days)
Rate Rider for Recovery of Hydro One Capital Contributions Variance - effective until December 31, 2019	\$/kVA	0.0312 (per 30 days)
Rate Rider for Application of IFRS - 2014 Derecognition - effective until December 31, 2019	\$/kVA	0.5133 (per 30 days)
Rate Rider for Recovery of 2016 Foregone Revenue - effective until December 31, 2019	\$/kVA	0.0478 (per 30 days)
Retail Transmission Rate - Network Service Rate	\$/kW	2.3758 (per 30 days)
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3406 (per 30 days)

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.00320
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.00040
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.00030
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, 2018

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

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	\$
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ALLOWANCES

Transformer Allowance for Ownership	\$/kVA	(0.6200)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	(1.00)

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2018

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

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 :

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	%	1.50
Late Payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	55.00
Disconnect/Reconnect at Meter - during regular hours	\$	120.00
Disconnect/Reconnect at Meter - after regular hours	\$	400.00
Disconnect/Reconnect at Pole - during regular hours	\$	300.00
Disconnect/Reconnect at Pole - after regular hours	\$	820.00
Install/Remove Load Control Device - during regular hours	\$	120.00
Install/Remove Load Control Device - after regular hours	\$	400.00

Other

Service call - customer owned equipment	\$	55.00
Disconnect/Reconnect at Meter - during regular hours	\$	120.00
Disconnect/Reconnect at Meter - after regular hours	\$	400.00
Disconnect/Reconnect at Pole - during regular hours	\$	300.00
Disconnect/Reconnect 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	\$	42.00

Toronto Hydro-Electric System Limited

TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2018

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

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	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
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)	\$	2.00

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	1.0376
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0187
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0272
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0085