



# Hydro Hawkesbury Inc.

2021 IRM APPLICATION  
EB-2020-0029

Submitted on  
November 5, 2020

Hydro Hawkesbury Inc.  
850 Tupper St. Hawkesbury, ON  
K6A 3S7



November 5, 2020

Ontario Energy Board P.O.  
Box 2319 27th Floor  
2300 Yonge Street Toronto,  
Ontario M4P 1E4

**Attention: Ms. Christine Long, Board Secretary**  
**Regarding: 2021 IRM Application (EB-2020-0029)**

Dear Ms. Long,

Hydro Hawkesbury Inc. is pleased to submit to the Ontario Energy Board its 2021 IRM Application in searchable format. This application is being filed pursuant to the Board's e-Filing Services.

HHI notes that the application was updated to reflect a correction in the mechanism of the IRM model which affected the bill impacts.

We would be pleased to provide any further information or details that you may require relative to this application.

Yours truly,

[original signed]

Michel Poulin, General Manager  
Hydro Hawkesbury  
850 Tupper Street  
(613) 632-6689

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**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 Hydro Hawkesbury Inc. to the Ontario Energy Board for an Order or  
Orders approving or fixing just and reasonable distribution rates and other service  
charges to be effective January 1, 2021.

**1 INTRODUCTION**

Hydro Hawkesbury Inc. hereby applies to the Ontario Energy Board (the "Board") for approval of its 2021 Distribution Rate Adjustments effective January 1, 2021. Hydro Hawkesbury applies for an Order or Orders approving the proposed distribution rates and other charges as set out in Appendix 2 of this Application as just and reasonable rates and charges pursuant to Section 78 of the OEB Act. The rates adjustment being applied for affects all classes of Hawkesbury Hydro's customer base; Residential, General Services both less than 50K and 50kW to 4999kW, Unmetered Scattered Load, Street Lights and Sentinel Lights .

Hydro Hawkesbury has followed Chapter 3 of the Board's Filing Requirements for Transmission and Distribution Applications dated May 14, 2020 along with the Key References listed at section 3.1.1 of the Chapter 3 Incentive Rate-Setting Applications

This application is supported by the following Excel models which are filed in conjunction with the Manager Summary.

- 2021 IRM Rate Generator
- 2021 GA Analysis Workform
- 2021 IRM Checklist
- 2021 LRAM

The following models are not application in this application and therefore are not being submitted.

- 2021 Revenue to Cost Ratio Adjustment Model
- 2021 ICM/ACM Model
- 2021 1595 Workform

In the event that the Board is unable to provide a Decision and Order in this Application for implementation by the Applicant as of January 1, 2021, Hydro Hawkesbury requests that the Board issue an Interim Rate Order declaring the current Distribution Rates and Specific Service Charges as interim until the decided implementation date of the approved 2021 distribution rates. If the effective date does not coincide with the Board's determined implementation date for 2021 distribution rates and charges, Hydro Hawkesbury requests to be permitted to recover the incremental revenue from the effective date to the implementation date.

Hydro Hawkesbury requests that this application be disposed of by way of a written hearing. Hydro Hawkesbury confirms that the billing determinants used in the model are from most recent reported RRR filings. The utility reviewed both the existing "Tariff Sheets" and billing determinants in the pre-populated worksheets and confirms that they were accurate.

In the preparation of this application, Hydro Hawkesbury used the 2021 IRM Rate Generator issued on July 14, 2020.

The rate and other adjustments being applied for and as calculated through the use of the above models include a Price Cap Incentive Rate-Setting ("Price Cap IR") option to adjust its 2021 rates. (The Price Cap IR methodology provides for a mechanistic and formulaic adjustment to distribution rates and charges in the period between Cost of Service applications). The model also adjusts Retail Transmission Service Rates in accordance with Board Guideline G-2008-0001 - Electricity Distribution Retail Transmission Service Rates revised on June 28, 2012.

Hydro Hawkesbury also applies for the following matter.

- Continuance of the Specific Services charges and Loss Factors.

- Continuance of the MicroFit monthly charge.
- Continuance of the Smart Meter Entity charge.
- Hydro Hawkesbury is requesting to forego the price cap index due to an overearning in its 2019 results. As such, HHI's rates are remaining the same as its 2018 board approved rates which are as follows.

**Table 1 – Proposed 2021 Rates**

<b>Class</b>	<b>Rate</b>	
<i>Residential</i>	18.12	
<i>General Service Less Than 50 Kw</i>	16.01	0.0073
<i>General Service 50 To 4,999 Kw</i>	104.55	2.1765
<i>Unmetered Scattered Load</i>	7.37	0.0044
<i>Sentinel Lighting</i>	1.71	4.0336
<i>Street Lighting</i>	0.61	6.628
<i>MicroFit</i>	10	

- HHI notes that its Residential rates are fully fixed in compliance with OEB policy. Further details on Bill Impacts are presented at Section 17 of this application.

The annual adjustment mechanism is not being applied to the following components of delivery rates:

- Rate Adders, Rate Riders, Low Voltage Service Charges, Retail Transmission Service Rates, Wholesale Market Service Rate, Rural and Remote Rate Protection Benefit and Charge, Standard Supply Service – Administrative Charge, MicroFIT Service Charge, Specific Service Charges, Transformation and Primary Metering Allowances, Smart Metering Entity Charge

HHI recognizes that the utility, its shareholder and all its customer classes will be affected by the outcome of the herein application.



## 2 DISTRIBUTOR'S PROFILE

Hydro Hawkesbury is a municipally owned utility which services and carries on the business of distributing electricity within the Town of Hawkesbury. Hydro Hawkesbury's customers totals approximately 5,581 and is comprised of over 88% residential customers while 12% are small business or industrial based. The balance of the utility's customer base is comprised of Street Lights, Sentinel, and Unmetered Scattered Load

Hydro Hawkesbury relies on approximately 72 km of circuits deliver approximately 141M kWh of energy and 185,000 kW of power to approximately 5,581 customers. The circuits can be broken down into roughly 57 km of overhead lines and 15 km of the underground conductor. The distribution system is comprised of 43 km of 3-phases circuits and 29 km of single-phase circuits.

Hydro Hawkesbury's last Cost of Service application was for rates effective January 1, 2018.

### 3 PUBLICATION NOTICE

It is HHI's understanding that the Ontario Energy Board will make arrangements to publish the notice of Application, however, if the OEB is unable to do so, the utility proposes that its notice related to this Application appears in the following publications.

Le Carillon, 1100 Aberdeen, Hawkesbury, ON

And/or Le Régional, 124 Main St. East, Hawkesbury, ON

The primary contact for the herein application is;

Michel Poulin

General Manager

Hydro Hawkesbury Inc.

850 Tupper St.

Hawkesbury, ON

K6A 3S7

Tel: 613-632-6689

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The alternate contact for the application is;

Manuela Ris-Schofield

Tandem Energy Services Inc.

Tel: 519-856-0080

Mobile: 416-562-9295

## 4 PRICE CAP ADJUSTMENT

As per Board policy (Chapter 3), distribution rates are to be adjusted according to the Price Cap model presented through the Board's Rate Generator model. The calculation would be based on the annual percentage change in the GDP-IPI index.

In accordance with the Report of the Board: Rate Setting Parameters and Benchmarking under the Renewed Regulatory Framework for Ontario's Electricity Distributors, Hydro Hawkesbury was assigned Stretch Factor Group I with a Price Escalator of 0.00, Price Cap Index of 2.00% and a Stretch Factor Value of 0.0%. However, Hydro Hawkesbury is requesting to forego the price cap index due to an overearning in its 2019 results.

The following table shows Hydro Hawkesbury's applicable factor for its Price Cap Adjustment.

**Table 2 - Price Cap Parameters**

<i>Stretch Factor Group</i>	<i>I</i>
<i>Set Price Escalator</i>	0.00%
<i>Revised Price Escalator</i>	0.00%
<i>Stretch Factor Value</i>	0.00%
<i>Productivity Factor</i>	0.00%
<i>Price Cap Index</i>	0.00%

While the price factor adjustment under this application would apply to the fixed and volumetric distribution rates for Hydro Hawkesbury, it would not affect the following:

- Rate adders and riders; Low voltage service charges; Retail Transmission Service Rates; Wholesale Market Service Rate; Rural Rate Protection Charge; Standard Supply Service – Administrative Charge; MicroFIT Service Charge; Specific Service Charges.

## 5 RATE DESIGN AND REVENUE TO COST RATIO ADJUSTMENT

Hydro Hawkesbury is not proposing to adjust its revenue to cost ratios in this proceeding as its revenue to cost ratios were recently adjusted and set as part of the 2018 Cost of Service Application. As such, HHI has not complete nor is filing a completed revenue-to-cost ratio adjustment work form.

HHI confirms that its distribution rates are fully fixed.

**Table 3 - Current vs. Proposed Distribution Rates**

<i>Rate Class</i>	<b>Current MFC</b>	<b>Current Volumetric Charge</b>	<b>Proposed MFC</b>	<b>Proposed Volumetric Charge</b>
<i>Residential</i>	18.12		18.12	
<i>GS&lt;50 kW</i>	16.01	0.0073	16.01	0.0073
<i>GS&gt;50 kW</i>	104.55	2.1765	104.55	2.1765
<i>USL</i>	7.37	0.0044	7.37	0.0044
<i>Sentinel Lights</i>	1.71	4.0336	1.71	4.0336
<i>Street Lighting</i>	0.61	6.628	0.61	6.628
<i>MicroFit</i>	10		10	

The 2021 proposed tariff sheet is presented at Appendix 2 of this application.

## 7 RTSR ADJUSTMENT

Hydro Hawkesbury is applying for an adjustment of its Retail Transmission Service Rates based on a comparison of historical transmission costs adjusted for new UTR levels and revenues generated from existing RTSRs. This approach is expected to minimize variances in the USoA Accounts 1584 and 1586.

Hydro Hawkesbury used the RTSR Adjustment Worksheets embedded in the IRM Model, to determine the proposed adjustments to the current Retail Transmission Service Rates.

The Loss Factor applied to the metered kWh is the actual Board-approved 2018 Loss Factor.

The proposed adjustments of the Retail Transmission Service Rates are shown in the table below, and the detailed calculations can be found in the 2021 IRM Model filed in conjunction with this application.

**Table 4 - Proposed RTSR**

***Retail Transmission Rate –  
Network Service Rate***

<i>Rate Description</i>	<i>Unit</i>	<i>Current RTSR- Network</i>	<i>Proposed RTSR- Network</i>
<i>Residential</i>	<i>\$/kWh</i>	0.0070	0.0073
<i>GS&lt;50 kW</i>	<i>\$/kWh</i>	0.0064	0.0067
<i>GS&gt;50 kW</i>	<i>\$/kWh</i>	2.6428	2.7465
<i>USL</i>	<i>\$/kW</i>	0.0064	0.0067
<i>Sentinel Lights</i>	<i>\$/kWh</i>	1.9938	2.0720
<i>Street Lighting</i>	<i>\$/kW</i>	1.9933	2.0715

***Retail Transmission Rate –  
Line and Transformation  
Connection Service Rate***

<i>Rate Description</i>	<i>Unit</i>	<i>Current RTSR- Connection</i>	<i>Proposed RTSR- Connection</i>
<i>Residential</i>	<i>\$/kWh</i>	0.0039	0.0040
<i>GS&lt;50 kW</i>	<i>\$/kWh</i>	0.0034	0.0035
<i>GS&gt;50 kW</i>	<i>\$/kWh</i>	1.3939	1.4154
<i>USL</i>	<i>\$/kW</i>	0.0034	0.0035
<i>Sentinel Lights</i>	<i>\$/kWh</i>	2.2001	2.2341
<i>Street Lighting</i>	<i>\$/kW</i>	1.0775	1.0941

## 8 DEFERRAL AND VARIANCE ACCOUNT

### 8.1 REVIEW AND DISPOSITION OF GROUP 1 DVA

Hydro Hawkesbury has completed the Board Staff's 2021 IRM Rate Generator – Tab 3 Continuity Schedule and the threshold test shows a claim per kWh of \$0.004.

HHI confirms that the billing determinants, which originate from the most recent RRR filings are accurate.

The Report of the Board on Electricity Distributors' Deferral and Variance Account Review Report (the "EDDVAR Report") provides that during the IRM plan term, the distributor's Group 1 audited account balances will be reviewed and disposed if the pre-set disposition threshold (debit or credit) is exceeded. Since the threshold was met Hydro Hawkesbury is, therefore, seeking disposal of its deferral and variance account in this proceeding.

The Hydro Hawkesbury Group, 1 total claim balance, is -\$562,429 and is comprised of the following account balances. Details of these balances can be found in the 2021 IRM Model.

**Table 5 - Deferral and Variance Account balances**

<b>Group 1 Accounts</b>		
<i>LV Variance Account</i>	1550	4,596
<i>Smart Metering Entity Charge Variance Account</i>	1551	(608)
<i>RSVA - Wholesale Market Service Charge</i>	1580	(41,604)
<i>Variance WMS – Sub-account CBR Class A5</i>	1580	0
<i>Variance WMS – Sub-account CBR Class B5</i>	1580	(6,420)
<i>RSVA - Retail Transmission Network Charge</i>	1584	30,877
<i>RSVA - Retail Transmission Connection Charge</i>	1586	(9,117)
<i>RSVA - Power4</i>	1588	(439,110)
<i>RSVA - Global Adjustment</i>	1589	(101,043)
<i>Disposition and Recovery/Refund of Regulatory Balances (2014 and pre-2014)<sup>3</sup></i>	1595	0
<i>Disposition and Recovery/Refund of Regulatory Balances (2015)<sup>3</sup></i>	1595	0
<i>Disposition and Recovery/Refund of Regulatory Balances (2016)<sup>3</sup></i>	1595	0
<i>Disposition and Recovery/Refund of Regulatory Balances (2017)<sup>3</sup></i>	1595	0
<i>Disposition and Recovery/Refund of Regulatory Balances (2018)<sup>3</sup></i>	1595	
<i>Disposition and Recovery/Refund of Regulatory Balances (2019)<sup>3</sup></i>	1595	
<i>Refer to the Filing Requirements for disposition eligibility.</i>		
<i>Total Group 1 Balance excluding Account 1589 - Global Adjustment</i>	1589	(101,043)

<i>Total Group 1 Balance</i>		(461,388)
<i>RSVA - Global Adjustment</i>		(562,431)
<i>LRAM Variance Account (only input amounts if applying for disposition of this account)</i>		(6,288)
<i>Total including Account 1568</i>		(568,717)

- HHI confirms that no adjustment has been made to balances previously approved by the OEB on a final basis.
- The proposed rate riders sought for recovery or refund of balances that are proposed for disposition over the default period of one year.
- HHI confirms that it used the OEB model which creates a separate rate rider included in the delivery component of the bill that applies prospectively to Non-RPP Class B customers when clearing balances from the GA Variance Account.
- HHI confirms that the GA is calculated on a kWh basis.

## 8.2 VARIANCE FROM RRR AS A RESULT OF INTERNAL AUDIT BY AUDITORS

HHI notes that there are variances between the RRR, and the balances calculated in that tab 3 of the model. Explanation of variance between amounts proposed for disposition and amounts reported in RRR for each account is presented below

With respect to the explanation of variance between amounts proposed for disposition and amounts reported in RRR for each account, the balance of account 1580 did include the total of RSVA and the total of CBR Class B. The amount of (\$51,646) presented for CBR Class B is incorrect. Amounts should have been (\$41,604) for RSVA and (\$6,420) for CBR Class B. HHI confirms that the amounts in the total column claim are correct.

Hydro Hawkesbury Inc. recalculated its variances for 2017, 2018 and 2019 with the new OEB methodology based on the February 21, 2019 accounting guidance. Based on this new methodology, there was a reduction of \$507,638 of principal and \$6,107 of carrying charges in account 1588. A reclassification of \$202,427 between 1588 and 1589 has also been eliminated. ( $-\$507,638 - \$6,107 - \$202,427 = -\$716,172$ ). For account 1589, there was an increase of \$652,878 in principal and \$23,533 in carrying charges. ( $\$652,878 + \$23,533 + \$202,427 = \$878,838$ ). Those amounts correspond to the differences in column BW of 3. Continuity Schedule in the IRM Rate Generator for accounts 1588 and 1589.

1

2 For account 1580, the variance (Column BV of 3. Continuity Schedule in the IRM Rate Generator)  
3 of \$67,092 includes the CBR Class B. Those amounts are pre-populated and can't be changed.  
4 The amount of \$51,646 is overstated because it includes items other than CBR Class B. The  
5 differences in column BW ( $\$9,262 + \$42,384 = \$51,646$ ) equals the amount presented in column  
6 BV for CBR Class B. The amounts presented in the continuity schedule for accounts 1580 are the  
7 correct amounts. The difference in account 1568 LRAMVA is due to the newly calculated balance  
8 of 749 as supported by the LRAMVA model filed in conjunction with this application.

9

### 10 8.3 WHOLESALE MARKET PARTICIPANT

11 HHI has wholesale market participant (WMP) which can be described as any entity that  
12 participates directly in any of the Independent Electricity System Operator (IESO) administered  
13 markets. These participants settle commodity and market-related charges with the IESO even if  
14 they are embedded in a distributor's distribution system. The rate rider has been calculated on  
15 both Class B customers and Class A customers in accordance with Board policies and the  
16 mechanism of the IRM Rate Generator. The billing determinant and all the rate riders for the GA  
17 are calculated on an energy basis (kWh) regardless of the billing determinant used for  
18 distribution rates for the particular class

19

### 20 8.4 DISPOSITION OF ACCOUNT 1595

21 HHI is not proposing to dispose of any of its 1595 balances as part of this application.  
22 Therefore, workform 1595 is not being filed with this application.

23 The 2016 balances which were approved as part of HHI's 2018 Cost of Service  
24 Applications were approved on a 1-year basis but does not meet the requirements from  
25 the Chapter 3 Filing Requirements which state: *January 1 rate year – If 2018 rate riders  
26 end on December 31, 2018, the balance of sub-account 1595 (2018) could be disposed of  
27 once the December 31, 2020 account balance has been audited. Therefore, sub-account  
28 1595 (2018) would be eligible for disposition in the 2022 rate year.*



The 2017 and 2018 balances which were approved as part of HHI's 2019 and 2020 IRM Application but have not met the requirements for disposition.

**Table 6 - Disposition Status of Account 1595**

<i>Year of Balance</i>	<i>Rate Appl.</i>	<i>Disposition Period</i>	<i>Interim /Final</i>	<i>Rate Ride Sunset Date</i>	<i>1588 /1589</i>	<i>Sunset Reached</i>	<i>Audited</i>	<i>Plus 1 year</i>
2016	2018	12 mon	Final	2019/02/28	✓	✓	✓	X
2017	2019	1 yr.	Interim	2019/12/31	✓	✓	X	X
2018	2020	1 yr.	Interim	2020/12/31	X	X	X	X
2019	2021	1 yr.	tbd	2021/12/31	X	X	X	X

HHI also confirms that there are no residual balances for vintage Account 1595 being disposed of and that all historical dispositions of 1595 have only been done once.

HHI confirms that there are no material residual balances which require further analysis, consisting of separating the components of the residual balances by each applicable rate rider and by customer rate class.

As such, HHI does not need to provide detailed explanations for any significant residual balances attributable to specific rate riders for each customer rate class including volume differences between forecast volumes (used to calculate the rate riders) as compared to actual volumes at which the rate riders were billed.

## 8.5 GLOBAL ADJUSTMENT

HHI confirms that it has established a separate rate rider included in the delivery component of the bill that would apply prospectively to Non-RPP Class B customers when clearing balances from the GA Variance Account

HHI confirms that it has completed and filed with this application the GA Analysis Workform in live Excel format and explain discrepancies.

## 8.6 COMMODITY ACCOUNTS 1588 AND 1589

HHI confirms that it has completed and filed along with this Manager Summary the GA workform for 2017 to 2019. A PDF version of the GA workform for each year is presented at Appendix 5.

Upon review of the new accounting guidance, related to accounts 1588 and 1589 – Feb 21, 2019, HHI along with its accountants/auditors Deloitte, confirm that it is in compliance with the new policies that have come in effect on August 31, 2019.

With respect to the explanation of variance between amounts proposed for disposition and amounts reported in RRR for each account, the balance of account 1580 did include the total of RSVA and the total of CBR Class B. The amount of (\$51,646) presented for CBR Class B is incorrect. Amounts should have been (\$57,830) for RSVA and (\$9,261) for CBR Class B. HHI confirms that the amounts in the total column claim are correct. The differences in accounts 1588 and 1589 are due to the fact that those 2 accounts have been recalculated from 2017 to 2019 with the new templates and methodology issued by OEB. With the previous methodology, HHI was using its revenues and dividing them with the applicable RPP/TOU rates to obtain the number of kWh. Also, Class A and embedded generators clients were not considered with the previous methodology. IESO did a review of HHI's process and methodology a few years ago. They agreed with the way HHI was making its calculations. Energy purchases were also treated differently under the previous methodology. The 1598 settlement form with IESO was calculated based on kWh sold. The new method uses the kWh purchased.

Historical balances that have yet to be disposed on a final basis have been considered in the context of the February 21, 2019 accounting guidance. As explained in the manager summary report, accounts 1588 and 1589 have been recalculated from 2017 to 2019.

Reasons for differences have been provided in that summary. This exercise resulted in a difference of \$145,240 for the 3 years for principal and \$17,426 in carrying charges for a total credit of 162,666.

The billing determinant and all the rate riders for the GA are calculated on an energy basis (kWh) regardless of the billing determinant used for distribution rates for the particular class.

Hydro Hawkesbury Inc. adopted the new OEB methodology based on the February 21, 2019 accounting guidance and recalculated its variances since 2017. The differences between the newly calculated results and the RRR are explained at section 8.2 and are also summarized in the attached document "B – Impact of new methodology" filed with this application. The differences have been recorded in the adjustment columns.

The tables below show the allocation of GA balance and the derivation of the GA rate riders.

I, Michel Poulin, certify that HHI has a robust process and sufficient internal controls in place for the preparation, review, verification, and oversight of account balances being proposed for disposition to the best of its knowledge and understanding of the requirements and guidelines.

1

**Table 7 - Allocation of GA balances**

2

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

Year the Account 1589 GA Balance Last Disposed

2018

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

		Total	2019
Non-RPP Consumption Less WMP Consumption	A	77,301,291	77,301,291
Customers	B	1,063,609	1,063,609
Less Consumption for Full Year Class A Customers	C	11,544,609	11,544,609
<b>Total Class B Consumption for Years During Balance Accumulation</b>	D = A-B-C	64,693,073	64,693,073
All Class B Consumption for Transition Customers	E	1,230,918	1,230,918
<b>Transition Customers' Portion of Total Consumption</b>	F = E/D	1.90%	

**Allocation of Total GA Balance \$**

Total GA Balance	G	-\$ 35,516
Transition Customers Portion of GA Balance	H=F*G	-\$ 676
GA Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	-\$ 34,840

**Allocation of GA Balances to Class A/B Transition Customers**

# of Class A/B Transition Customers	1					
Customer	Total Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers	Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers in 2019	% of kWh	Customer Specific GA Allocation for the Period When They Were Class B customers	Monthly Equal Payments	
Customer 1	1,230,918	1,230,918	100.00%	-\$ 676	-\$	56
Total	1,230,918	1,230,918	100.00%	-\$ 676		

4

1

**Table 8 - Calculation of GA Rate Rider**

The purpose of this tab is to calculate the GA rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1589 GA was last disposed. Calculations in this tab will be modified upon completion of tab 6.1a, which allocates a portion of the GA balance to transition customers, if applicable.  
Effective January 2017, the billing determinant and all rate riders for the disposition of GA balances will be calculated on an energy basis (kWhs) regardless of the billing determinant used for distribution rates for the particular class (see Chapter 3, Filing Requirements, section 3.2.5.2)

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

Rate Rider Recovery to be used below

	Total Metered Non-RPP 2019 Consumption excluding WMP	Total Metered 2019 Consumption for Class A Customers that were Class A for the entire period GA balance accumulated	Total Metered 2019 Consumption for Customers that Transitioned Between Class A and B during the period GA balance accumulated	Non-RPP Metered Consumption for Current Class B Customers (Non-RPP Consumption excluding WMP, Class A and Transition Customers' Consumption)	% of total kWh	Total GA \$ allocated to Current Class B Customers	GA Rate Rider	
	kWh	kWh	kWh	kWh				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	685,070	0	0	685,070	1.1%	(\$1,070)	(\$0.0016) kWh
CLASSIFICATION	kWh	3,810,907	0	0	3,810,907	6.0%	(\$5,952)	(\$0.0016) kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	72,109,765	11,544,609	2,294,527	58,270,629	91.8%	(\$91,012)	(\$0.0016) kWh
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	192,496	0	0	192,496	0.3%	(\$301)	(\$0.0016) kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kWh	4,844	0	0	4,844	0.0%	(\$8)	(\$0.0017) kWh
STREET LIGHTING SERVICE CLASSIFICATION	kWh	498,209	0	0	498,209	0.8%	(\$778)	(\$0.0016) kWh
<b>Total</b>		77,301,291	11,544,609	2,294,527	63,462,155	100.0%	(\$99,121)	

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**Table 9 – CBR-B Allocation**

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

Year Account 1580 CBR Class B was Last Disposed

2018

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

		Total	2019
Total Consumption Less WMP Consumption	A	141,271,361	141,271,361
Customers	B	1,063,609	1,063,609
Less Consumption for Full Year Class A Customers	C	11,544,609	11,544,609
<b>Total Class B Consumption for Years During Balance Accumulation</b>	<b>D = A-B-C</b>	<b>128,663,143</b>	<b>128,663,143</b>
All Class B Consumption for Transition Customers	E	1,230,918	1,230,918
<b>Transition Customers' Portion of Total Consumption</b>	<b>F = E/D</b>	<b>0.96%</b>	

**Allocation of Total CBR Class B Balance \$**

Total CBR Class B Balance	G	-\$	6,420
Transition Customers Portion of CBR Class B Balance	H=F*G	-\$	61
CBR Class B Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	-\$	6,359

**Allocation of CBR Class B Balances to Transition Customers**

# of Class A/B Transition Customers		1				
Customer		Total Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers	Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers in 2019	% of kWh	Customer Specific CBR Class B Allocation for the Period When They Were Class B Customers	Monthly Equal Payments
Customer 1		1,230,918	1,230,918	100.00%	61	-\$ 5
Total		1,230,918	1,230,918	100.00%	61	-\$ 5

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**Table 10 – Calculation of CBR-B Rate Rider**

The year Account 1580 CBR Class B was last disposed

2018

		Total Metered 2019 Consumption Minus VMP		Total Metered 2019 Consumption for Full Year Class A Customers		Total Metered 2019 Consumption for Transition Customers		Metered Consumption for Current Class B Customers (Total Consumption LESS VMP, Class A and Transition Customers' Consumption)		% of total kWh	Total CBR Class B \$ allocated to Current Class B Customers	CBR Class B Rate Rider	Unit
		kWh	kW	kWh	kW	kWh	kW	kWh	kW				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	50,127,667	0	0	0	0	0	50,127,667	0	39.3%	(\$2,501)	\$0.0000	kWh
CLASSIFICATION	kWh	17,967,957	0	0	0	0	0	17,967,957	0	14.1%	(\$897)	\$0.0000	kWh
CLASSIFICATION	kW	72,109,765	182,505	11,544,609	26,866	2,294,527	6,906	58,270,629	148,733	45.7%	(\$2,908)	\$0.0000	kW
CLASSIFICATION	kWh	513,610	0	0	0	0	0	513,610	0	0.4%	(\$26)	\$0.0000	kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	54,153	158	0	0	0	0	54,153	158	0.0%	(\$3)	\$0.0000	kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	498,209	1,383	0	0	0	0	498,209	1,383	0.4%	(\$25)	\$0.0000	kW
<b>Total</b>		141,271,361	184,046	11,544,609	26,866	2,294,527	6,906	127,432,225	150,274	100.0%	(\$6,360)	\$0.0000	

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## 8.8 DISPOSITION OF LRAMVA

HHI has calculated its LRAM balances up to 2018 when the IESO released its last verified results. The total claim results in a marginal amount of -\$749. HHI has added the principal amount of -\$784 and carrying charges in the amount of \$35 to the existing balances of -\$5,443 in tab 3. Continuity Schedule of the IRM model. The allocation per class was calculated based on the LRAMVA allocation from the LRAM model filed along with this application.

Since the amount is too small to generate a rate rider, HHI proposes to move the amount to account 1595 once the requirements for disposition are met. HHI is not proposing to dispose of any savings in 2019 and 2020. This amount is supported by the LRAMVA model filed in conjunction with this application

**Table 11 – LRAM Claim based on 2018 Verified Results**

		Principal	Carrying Charges	Balance
<i>Residential</i>	kWh	\$9,016	\$495	\$9,511
<i>GS&lt;50 kW</i>	kWh	\$9,583	\$608	\$10,192
<i>GS 50 - 4999 kW</i>	kW	-\$18,793	-\$1,032	-\$19,826
<i>Street Lighting</i>	kW	-\$541	-\$33	-\$574
<i>Sentinel Lighting</i>	kW	-\$27	-\$2	-\$28
<i>Unmetered Scattered Load</i>	kWh	-\$23	-\$1	-\$24
<b>Total</b>		<b>-\$784</b>	<b>\$35</b>	<b>-\$749</b>



**Table 12 – LRAM Allocation**

	2021 LRAM	Alloc.	2021 Disp.
<i>Residential</i>	9511.00	-1269.83%	\$79,847
<i>GS&lt;50 kW</i>	10192.00	-1360.75%	\$85,564
<i>GS 50 - 4999 kW</i>	-19826.00	2647.00%	-\$166,443
<i>Street Lighting</i>	-574.00	76.64%	-\$4,819
<i>Sentinel Lighting</i>	-28.00	3.74%	-\$235
<i>Unmetered Scattered Load</i>	-24.00	3.20%	-\$201
<b>Total</b>	-749.00	1.00	-\$6,288

## 12 TAX CHANGE

Hydro Hawkesbury has completed worksheets 8 of the IRM model which resulted in a tax change of -\$117 from the tax rates embedded in its OEB 2018 Board Approved base rate. Since the amount is nil, no further action is required.

## 13 ICM/ACM/Z-FACTOR

Hydro Hawkesbury did not apply for an Advanced Incremental module in its last Cost of Service nor is applying for recovery of Incremental Capital or Z-Factor in this proceeding.

HHI notes that the Minimum Filing Requirements related to ICM / ACM and Z-Factors are not applicable in HHI's case.

## 14 REGULATORY RETURN ON EQUITY - OFF RAMP

HHI's current distribution rates were rebased and approved by the OEB in 2018 and included an expected (deemed) regulatory return on equity of 9.36%. The OEB allows a distributor to earn within +/- 3% of the expected return on equity. The actual return on equity for 2019 is 7.16% which indicates an under earning when compared to the Board Approved 2018 rate of return. HHI expects that it will maintain its profitability at the approved level going forward.

**Table 13 - Return on Equity Table**

**2018BA      2019**

<i>Achieved ROE</i>	9.00	16.54
<i>Deemed ROE</i>	9.00	9.00
<i>Difference</i>	0.00	7.54

## 15 CURRENT TARIFF SHEET

Hydro Hawkesbury current tariff sheets are provided in Appendix 1.

## 16 PROPOSED TARIFF SHEET

The proposed tariff sheets generated by the 2019 IRM Rate Generator are provided in Appendix 2.

## 17 BILL IMPACT

HHI has opted to recalculate its 10th percentile on a bi-annual basis. The reason being that the customer composition and count has not materially changed since the utility submitted its 2020 rate application, and as such, the percentile remains the same as it did

in 2018/2019. HHII will update its 10th percentile in its next application which will more appropriately reflect the impacts of Covid-19. The table below shows the bill impacts. The bill impacts are calculated based on the dollar change in Sub-Total C – Delivery divided by the total bill before tax at current rates. The 10% percentile was calculated in the following manner:

- 1) The utility produced a report for a recent month which included Residential Customer Number and their Monthly Consumptions. In this case, HHI opted to choose May of 2019 as May is generally a month where the weather is mild and not subject to extreme cold or warm days.
- 2) The report was then sorted by lowest to highest consumption.
- 3) Less than 50kWh monthly consumption was removed from the file.
- 4) The utility then calculates the 10th percentile by taking 10% of the customer count (or number of records in the report), (e.g., 200 customer = 200)
- 5) The utility then established that the record in questions produced consumption of 274 kWh/month which in turn became the “ceiling” for the lowest 10th percentile.
- 6) The file used to calculate the 10th percentile is attached for your review.

The total residential bill impact for the 10<sup>th</sup> percentile level of 274 kWh is -1.0%. The residential bill impact for the standard 750kWh is -1.2%. Detailed bill impacts for each rate class are provided in Appendix 3

With the exception of the GS<50, which uses the typical 2000 kWh/month, the other classes were calculated using a rounded monthly average consumption.

Rate Mitigation: HHI confirms that none of the bill impacts for its classes exceed 10% as such no rate mitigation plan is required at this time.

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**Table 14 - Summary of Bill Impacts**

<i>Rate classes / categories (eg: residential tou, residential retailer)</i>	Units	Sub-Total						Total	
		A		B		C		Total Bill	
		\$	%	\$	%	\$	%	\$	%
<i>Residential service classification - RPP</i>	kWh	\$0.00	0.0%	-\$1.95	-8.2%	-\$1.63	-5.0%	-\$1.33	-1.2%
<i>General service less than 50 kw service classification - RPP</i>	kWh	\$0.00	0.0%	-\$5.20	-11.7%	-\$4.36	-6.7%	-\$3.54	-1.3%
<i>General service 50 to 4,999 kw service classification - non-RPP (other)</i>	kW	\$0.00	0.0%	-\$258.67	-39.9%	-\$228.62	-14.1%	-\$258.35	-4.4%
<i>Unmetered scattered load service classification - non-RPP (other)</i>	kWh	\$0.00	0.0%	-\$14.72	-24.3%	-\$12.79	-11.8%	-\$14.45	-1.7%
<i>Sentinel lighting service classification - non-RPP (other)</i>	kW	\$0.00	0.0%	-\$114.55	-16.3%	-\$99.34	-7.8%	-\$112.26	-7.6%
<i>Street lighting service classification - non-RPP (other)</i>	kW	\$0.00	0.0%	-\$13,986.00	-14.0%	-\$12,491.62	-8.4%	-\$14,115.53	-8.3%
<i>Residential service classification - non-RPP (retailer)</i>	kWh	\$0.00	0.0%	-\$2.33	-9.6%	-\$2.01	-6.1%	-\$2.27	-1.5%
<i>Residential service classification - RPP</i>	kWh	\$0.00	0.0%	-\$0.71	-3.5%	-\$0.60	-2.5%	-\$0.48	-1.0%
<i>Residential service classification - non-RPP (retailer)</i>	kWh	\$0.00	0.0%	-\$0.85	-4.1%	-\$0.73	-3.1%	-\$0.83	-1.2%

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## 18 CERTIFICATION OF EVIDENCE

As General Manager of Hydro Hawkesbury Inc. I certify that, to the best of my knowledge, the evidence filed in the herein Incentive Rate-Setting Application is accurate, complete, and consistent with the requirements of the Chapter 3 Filing Requirements for Electricity Distribution Rate Applications as revised on July 12, 2019. I also confirm that internal controls and processes are in place for the preparation, review, verification, and oversight of any account balances that are being requested for disposal.

Respectfully submitted,

*Original Signed by:*

Michel Poulin

Hydro Hawkesbury, Inc.

850 Tupper St.

Hawkesbury, ON

K6A 3S7

## 1 APPENDICES

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Appendix 1	Current Tariff Sheet
Appendix 2	Proposed Tariff Sheet
Appendix 3	Bill Impacts
Appendix 4	2018 RRWF
Appendix 5	PDF of IRM Rate Generator
Appendix 6	PDF of GA Workform

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## **Appendix 1      2020 Current Tariff Sheet<sup>41</sup>**

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41MFR - Current tariff sheet, PDF

**Schedule A**

**To Decision and Rate Order**

**Tariff of Rates and Charges**

**OEB File No: EB-2019-0042**

**DATED: December 12, 2019**



# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2020

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

EB-2019-0042

## RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to customers residing in residential dwelling units. Energy is generally supplied as single phase, 3-wire, 60-Hertz, having nominal voltage of 120/240 Volts and up to 400 amps. There shall be only one delivery point to a dwelling. The Basic Connection for Residential consumers is defined as 100 amp 120/240 volt overhead service. A Residential building is supplied at one service voltage per land parcel. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

## APPLICATION

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

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

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

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

## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	18.12
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Low Voltage Service Rate	\$/kWh	0.0014
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020 - Approved on an Interim Basis	\$/kWh	(0.0011)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0070
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0039

## MONTHLY RATES AND CHARGES - Regulatory Component

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

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2020

This schedule supersedes and replaces all previously  
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EB-2019-0042

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to a non residential account whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW, and Town Houses and Condominiums that require centralized bulk metering. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	16.01
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0073
Low Voltage Service Rate	\$/kWh	0.0013
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020 - Approved on an Interim Basis	\$/kWh	(0.0011)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0034

### MONTHLY RATES AND CHARGES - Regulatory Component

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

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2020

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EB-2019-0042

## GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non residential 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, 50 kW but less than 5,000 kW. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply:

General Service 50 to 500 kW non-interval metered

General Service 50 to 500 kW interval metered

General Service greater than 500 to 5,000 kW interval metered.

Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	104.55
Distribution Volumetric Rate	\$/kW	2.1765
Low Voltage Service Rate	\$/kW	0.5184

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2020

**This schedule supersedes and replaces all previously  
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EB-2019-0042

Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020  
- Approved on an Interim Basis

\$/kW (0.4262)

Retail Transmission Rate - Network Service Rate

\$/kW 2.6428

Retail Transmission Rate - Line and Transformation Connection Service Rate

\$/kW 1.3939

#### **MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate (WMS) - not including CBR

\$/kWh 0.0030

Capacity Based Recovery (CBR) - Applicable for Class B Customers

\$/kWh 0.0004

Rural or Remote Electricity Rate Protection Charge (RRRP)

\$/kWh 0.0005

Standard Supply Service - Administrative Charge (if applicable)

\$ 0.25

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2020

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EB-2019-0042

## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand 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 the distributor 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 Global Adjustment and the HST.

## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per customer)	\$	7.37
Distribution Volumetric Rate	\$/kWh	0.0044
Low Voltage Service Rate	\$/kWh	0.0013
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020 - Approved on an Interim Basis	\$/kWh	(0.0011)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0034

## MONTHLY RATES AND CHARGES - Regulatory Component

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

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2020

This schedule supersedes and replaces all previously  
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EB-2019-0042

## SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to privately owned roadway lighting controlled by photo cells. Consumption is based on calculated connected load times the required lighting hours. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

## APPLICATION

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

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

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

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

## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	1.71
Distribution Volumetric Rate	\$/kW	4.0336
Low Voltage Service Rate	\$/kW	0.8183
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020 - Approved on an Interim Basis	\$/kW	(0.3739)
Retail Transmission Rate - Network Service Rate	\$/kW	1.9938
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.2001

## MONTHLY RATES AND CHARGES - Regulatory Component

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

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2020

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

EB-2019-0042

## STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to municipal lighting, Ministry of Transportation operation controlled by photo cells. Consumption is as per Ontario Energy Board street lighting load shape. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

## APPLICATION

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

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

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

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

## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	0.61
Distribution Volumetric Rate	\$/kW	6.6280
Low Voltage Service Rate	\$/kW	0.4007
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020 - Approved on an Interim Basis	\$/kW	(0.3938)
Retail Transmission Rate - Network Service Rate	\$/kW	1.9933
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.0775

## MONTHLY RATES AND CHARGES - Regulatory Component

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

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2020

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

EB-2019-0042

### microFIT SERVICE CLASSIFICATION

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

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	10.00
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# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2020

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

EB-2019-0042

## ALLOWANCES

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

## SPECIFIC SERVICE CHARGES

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

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

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

### Customer Administration

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque (plus bank charges)	\$	20.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	40.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

### Non-payment of account

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	%	1.50
Reconnection at meter - during regular hours	\$	30.00
Reconnection at meter - after regular hours	\$	165.00
Reconnection at pole - during regular hours	\$	100.00
Reconnection at pole - after regular hours	\$	300.00

### Other

Service call - after regular hours	\$	165.00
Temporary service - install & remove - overhead - no transformer	\$	500.00
Temporary service - install & remove - overhead - with transformer	\$	1,000.00
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	44.50

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2020

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

EB-2019-0042

## RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	102.00
Monthly Fixed Charge, per retailer	\$	40.80
Monthly Variable Charge, per customer, per retailer	\$/cust.	1.02
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.61)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.51
Processing fee, per request, applied to the requesting party	\$	1.02
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	4.08
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.04

## 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	1.0509
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0410

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## **Appendix 2      2021 Proposed Tariff Sheet**

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2021

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

EB-2020-0029

## RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to customers residing in residential dwelling units. Energy is generally supplied as single phase, 3-wire, 60-Hertz, having nominal voltage of 120/240 Volts and up to 400 amps. There shall be only one delivery point to a dwelling. The Basic Connection for Residential consumers is defined as 100 amp 120/240 volt overhead service. A Residential building is supplied at one service voltage per land parcel. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

## APPLICATION

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

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

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

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

## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	18.12
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Low Voltage Service Rate	\$/kWh	0.0014
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until December 31, 2021 Applicable only for Non-RPP Customers	\$/kWh	(0.0016)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until December 31, 2021	\$/kWh	0.0016
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kWh	(0.0033)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0073
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0040

## MONTHLY RATES AND CHARGES - Regulatory Component

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

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2021

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

EB-2020-0029

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to a non residential account whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW, and Town Houses and Condominiums that require centralized bulk metering. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	16.01
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0073
Low Voltage Service Rate	\$/kWh	0.0013
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until December 31, 2021 Applicable only for Non-RPP Customers	\$/kWh	(0.0016)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until December 31, 2021	\$/kWh	0.0048
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kWh	(0.0033)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0067
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0035

### MONTHLY RATES AND CHARGES - Regulatory Component

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

**Hydro Hawkesbury Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
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EB-2020-0029

**GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION**

This classification applies to a non residential 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, 50 kW but less than 5,000 kW. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply:

General Service 50 to 500 kW non-interval metered

General Service 50 to 500 kW interval metered

General Service greater than 500 to 5,000 kW interval metered.

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.

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

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

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

**MONTHLY RATES AND CHARGES - Delivery Component**

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2021

**This schedule supersedes and replaces all previously  
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**EB-2020-0029**

Service Charge	\$	104.55
Distribution Volumetric Rate	\$/kW	2.1765
Low Voltage Service Rate	\$/kW	0.5184
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until December 31, 2021		
Applicable only for Non-RPP Customers	\$/kWh	(0.0016)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until December 31, 2021	\$/kW	(0.9120)
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kW	(1.2887)
Retail Transmission Rate - Network Service Rate	\$/kW	2.7465
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4154

#### **MONTHLY RATES AND CHARGES - Regulatory Component**

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

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2021

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EB-2020-0029

## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand 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 the distributor 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.

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## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per customer)	\$	7.37
Distribution Volumetric Rate	\$/kWh	0.0044
Low Voltage Service Rate	\$/kWh	0.0013
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until December 31, 2021 Applicable only for Non-RPP Customers	\$/kWh	(0.0016)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until December 31, 2021	\$/kWh	(0.0094)
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kWh	(0.0033)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0067
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0035

## MONTHLY RATES AND CHARGES - Regulatory Component

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



**Hydro Hawkesbury Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
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EB-2020-0029

## SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to privately owned roadway lighting controlled by photo cells. Consumption is based on calculated connected load times the required lighting hours. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

## APPLICATION

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

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

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## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	1.71
Distribution Volumetric Rate	\$/kW	4.0336
Low Voltage Service Rate	\$/kW	0.8183
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until December 31, 2021		
Applicable only for Non-RPP Customers	\$/kWh	(0.0017)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until December 31, 2021	\$/kW	(1.4878)
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kWh	(1.1179)
Retail Transmission Rate - Network Service Rate	\$/kW	2.0720
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.2341

## MONTHLY RATES AND CHARGES - Regulatory Component

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

**Hydro Hawkesbury Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
**This schedule supersedes and replaces all previously**  
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EB-2020-0029

## **STREET LIGHTING SERVICE CLASSIFICATION**

This classification refers to municipal lighting, Ministry of Transportation operation controlled by photo cells. Consumption is as per Ontario Energy Board street lighting load shape. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

## **APPLICATION**

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

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

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

## **MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge (per connection)	\$	0.61
Distribution Volumetric Rate	\$/kW	6.6280
Low Voltage Service Rate	\$/kW	0.4007
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until December 31, 2021		
Applicable only for Non-RPP Customers	\$/kWh	(0.0016)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until December 31, 2021	\$/kW	(0.1457)
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kW	(1.1750)
Retail Transmission Rate - Network Service Rate	\$/kW	2.0715
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.0941

## **MONTHLY RATES AND CHARGES - Regulatory Component**

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

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2021

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

EB-2020-0029

### microFIT SERVICE CLASSIFICATION

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

### APPLICATION

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	10.00
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### ALLOWANCES

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

### SPECIFIC SERVICE CHARGES

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

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

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

### Customer Administration

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Duplicate invoices for previous billing	\$	15.00

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2021

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

**EB-2020-0029**

Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque (plus bank charges)	\$	20.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	40.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

#### **Non-payment of account**

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	%	1.50
Reconnection at meter - during regular hours	\$	30.00
Reconnection at meter - after regular hours	\$	165.00
Reconnection at pole - during regular hours	\$	100.00
Reconnection at pole - after regular hours	\$	300.00

#### **Other**

Service call - after regular hours	\$	165.00
Temporary service - install & remove - overhead - no transformer	\$	500.00
Temporary service - install & remove - overhead - with transformer	\$	1,000.00
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	44.50

## **RETAIL SERVICE CHARGES (if applicable)**

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

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

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

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

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	102.00
Monthly Fixed Charge, per retailer	\$	40.80
Monthly Variable Charge, per customer, per retailer	\$/cust.	1.02
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.61)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.51
Processing fee, per request, applied to the requesting party	\$	1.02
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	4.08

**Hydro Hawkesbury Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

**EB-2020-0029**

Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019) \$

2.04

## **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.

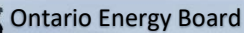
Total Loss Factor - Secondary Metered Customer < 5,000 kW

1.0509

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

1.041

## **Appendix 3      Bill Impacts**



## Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

The bill comparisons below must be provided for typical customers and consumption levels. Bill impacts must be provided for residential customers consuming 750 kWh per month and general service customers consuming 2,000 kWh per month and having a monthly demand of less than 50 kW. Include bill comparisons for Non-RPP (retailer) as well. **To assess the combined effects of the shift to fixed rates and other bill impacts associated with changes in the cost of distribution service, applicants are to include a total bill impact for a residential customer at the distributor's 10th consumption percentile (In other words, 10% of a distributor's residential customers consume at or less than this level of consumption on a monthly basis). Refer to section 3.2.3 of the Chapter 3 Filing Requirements For Electricity Distribution Rate Applications.**

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

**Note:**

1. For those classes that are not eligible for the RPP price, the weighted average price including Class B GA through end of May 2020 of \$0.1368/kWh (IESO's Monthly Market Report for May 2020) has been used to represent the cost of power. For those classes on a retailer contract, applicants should enter the contract price (plus GA) for a more accurate estimate. Changes to the cost of power can be made directly on the bill impact table for the specific class.

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

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

Table 1

[illegible]

### Table 2

[illegible]



Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	750	kWh	
Demand	-	kW	
Current Loss Factor	1.0509		
Proposed/Approved Loss Factor	1.0509		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 18.12	1	\$ 18.12	\$ 18.12	1	\$ 18.12	\$ -	0.00%
Distribution Volumetric Rate	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 18.12			\$ 18.12	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.1280	38	\$ 4.89	\$ 0.1280	38	\$ 4.89	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	-\$ 0.0011	750	\$ (0.83)	-\$ 0.0037	750	\$ (2.78)	\$ (1.95)	236.36%
CBR Class B Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
GA Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0014	750	\$ 1.05	\$ 0.0014	750	\$ 1.05	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 23.80			\$ 21.85	\$ (1.95)	-8.19%
RTSR - Network	\$ 0.0070	788	\$ 5.52	\$ 0.0073	788	\$ 5.75	\$ 0.24	4.29%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0039	788	\$ 3.07	\$ 0.0040	788	\$ 3.15	\$ 0.08	2.56%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 32.39			\$ 30.76	\$ (1.63)	-5.05%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	788	\$ 2.68	\$ 0.0034	788	\$ 2.68	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	788	\$ 0.39	\$ 0.0005	788	\$ 0.39	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.1280	480	\$ 61.44	\$ 0.1280	480	\$ 61.44	\$ -	0.00%
TOU - Mid Peak	\$ 0.1280	135	\$ 17.28	\$ 0.1280	135	\$ 17.28	\$ -	0.00%
TOU - On Peak	\$ 0.1280	135	\$ 17.28	\$ 0.1280	135	\$ 17.28	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 131.72			\$ 130.08	\$ (1.63)	-1.24%
HST	13%		\$ 17.12	13%		\$ 16.91	\$ (0.21)	-1.24%
Ontario Electricity Rebate	31.8%		\$ (41.89)	31.8%		\$ (41.37)	\$ 0.52	
<b>Total Bill on TOU</b>			\$ 106.95			\$ 105.63	\$ (1.33)	-1.24%

In the manager's summary, discuss the reasons for the change in the total bill on TOU.

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	2,000	kWh	
Demand	-	kW	
Current Loss Factor	1.0509		
Proposed/Approved Loss Factor	1.0509		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 16.01	1	\$ 16.01	\$ 16.01	1	\$ 16.01	\$ -	0.00%
Distribution Volumetric Rate	\$ 0.0073	2000	\$ 14.60	\$ 0.0073	2000	\$ 14.60	\$ -	0.00%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	2000	\$ -	\$ -	2000	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 30.61</b>			<b>\$ 30.61</b>	<b>\$ -</b>	<b>0.00%</b>
Line Losses on Cost of Power	\$ 0.1280	102	\$ 13.03	\$ 0.1280	102	\$ 13.03	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	-\$ 0.0011	2,000	\$ (2.20)	-\$ 0.0037	2,000	\$ (7.40)	\$ (5.20)	236.36%
CBR Class B Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
GA Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0013	2,000	\$ 2.60	\$ 0.0013	2,000	\$ 2.60	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 44.61</b>			<b>\$ 39.41</b>	<b>\$ (5.20)</b>	<b>-11.66%</b>
RTSR - Network	\$ 0.0064	2,102	\$ 13.45	\$ 0.0067	2,102	\$ 14.08	\$ 0.63	4.69%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0034	2,102	\$ 7.15	\$ 0.0035	2,102	\$ 7.36	\$ 0.21	2.94%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 65.21</b>			<b>\$ 60.85</b>	<b>\$ (4.36)</b>	<b>-6.69%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0034	2,102	\$ 7.15	\$ 0.0034	2,102	\$ 7.15	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	2,102	\$ 1.05	\$ 0.0005	2,102	\$ 1.05	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.1280	1,280	\$ 163.84	\$ 0.1280	1,280	\$ 163.84	\$ -	0.00%
TOU - Mid Peak	\$ 0.1280	360	\$ 46.08	\$ 0.1280	360	\$ 46.08	\$ -	0.00%
TOU - On Peak	\$ 0.1280	360	\$ 46.08	\$ 0.1280	360	\$ 46.08	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 329.66</b>			<b>\$ 325.30</b>	<b>\$ (4.36)</b>	<b>-1.32%</b>
HST	13%		\$ 42.86	13%		\$ 42.29	\$ (0.57)	-1.32%
Ontario Electricity Rebate	31.8%		\$ (104.83)	31.8%		\$ (103.44)	\$ 1.39	
<b>Total Bill on TOU</b>			<b>\$ 267.68</b>			<b>\$ 264.14</b>	<b>\$ (3.54)</b>	<b>-1.32%</b>

In the manager's summary, discuss the reasons for the changes.

Customer Class:	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	24,000	kWh
Demand	240	kW
Current Loss Factor	1.0509	
Proposed/Approved Loss Factor	1.0509	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 104.55	1	\$ 104.55	\$ 104.55	1	\$ 104.55	\$ -	0.00%
Distribution Volumetric Rate	\$ 2.1765	240	\$ 522.36	\$ 2.1765	240	\$ 522.36	\$ -	0.00%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	240	\$ -	\$ -	240	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 626.91</b>			<b>\$ 626.91</b>	<b>\$ -</b>	<b>0.00%</b>
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	-\$ 0.4262	240	\$ (102.29)	-\$ 1.4540	240	\$ (348.96)	\$ (246.67)	241.15%
CBR Class B Rate Riders	\$ -	240	\$ -	\$ -	240	\$ -	\$ -	
GA Rate Riders	\$ -	24,000	\$ -	-\$ 0.0005	24,000	\$ (12.00)	\$ (12.00)	
Low Voltage Service Charge	\$ 0.5184	240	\$ 124.42	\$ 0.5184	240	\$ 124.42	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	240	\$ -	\$ -	240	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 649.04</b>			<b>\$ 390.37</b>	<b>\$ (258.67)</b>	<b>-39.85%</b>
RTSR - Network	\$ 2.6428	240	\$ 634.27	\$ 2.7465	240	\$ 659.16	\$ 24.89	3.92%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.3939	240	\$ 334.54	\$ 1.4154	240	\$ 339.70	\$ 5.16	1.54%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 1,617.85</b>			<b>\$ 1,389.22</b>	<b>\$ (228.62)</b>	<b>-14.13%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0034	25,222	\$ 85.75	\$ 0.0034	25,222	\$ 85.75	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	25,222	\$ 12.61	\$ 0.0005	25,222	\$ 12.61	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1368	25,222	\$ 3,450.31	\$ 0.1368	25,222	\$ 3,450.31	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 5,166.78</b>			<b>\$ 4,938.15</b>	<b>\$ (228.62)</b>	<b>-4.42%</b>
HST	13%		\$ 671.68	13%		\$ 641.96	\$ (29.72)	-4.42%
Ontario Electricity Rebate	31.8%		\$ -	31.8%		\$ -	\$ -	
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 5,838.46</b>			<b>\$ 5,580.11</b>	<b>\$ (258.35)</b>	<b>-4.42%</b>

Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION		
RPP / Non-RPP:	Non-RPP (Other)		
Consumption	4,600	kWh	
Demand	-	kW	
Current Loss Factor	1.0509		
Proposed/Approved Loss Factor	1.0509		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 7.37	1	\$ 7.37	\$ 7.37	1	\$ 7.37	\$ -	0.00%
Distribution Volumetric Rate	\$ 0.0044	4600	\$ 20.24	\$ 0.0044	4600	\$ 20.24	\$ -	0.00%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	4600	\$ -	\$ -	4600	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 27.61			\$ 27.61	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.1368	234	\$ 32.03	\$ 0.1368	234	\$ 32.03	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	-\$ 0.0011	4,600	\$(5.06)	-\$ 0.0037	4,600	\$(17.02)	\$ (11.96)	236.36%
CBR Class B Rate Riders	\$ -	4,600	\$ -	\$ -	4,600	\$ -	\$ -	
GA Rate Riders	\$ -	4,600	\$ -	-\$ 0.0006	4,600	\$ (2.76)	\$ (2.76)	
Low Voltage Service Charge	\$ 0.0013	4,600	\$ 5.98	\$ 0.0013	4,600	\$ 5.98	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	4,600	\$ -	\$ -	4,600	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 60.56			\$ 45.84	\$ (14.72)	-24.31%
RTSR - Network	\$ 0.0064	4,834	\$ 30.94	\$ 0.0067	4,834	\$ 32.39	\$ 1.45	4.69%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0034	4,834	\$ 16.44	\$ 0.0035	4,834	\$ 16.92	\$ 0.48	2.94%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 107.93			\$ 95.15	\$ (12.79)	-11.85%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	4,834	\$ 16.44	\$ 0.0034	4,834	\$ 16.44	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	4,834	\$ 2.42	\$ 0.0005	4,834	\$ 2.42	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1368	4,600	\$ 629.28	\$ 0.1368	4,600	\$ 629.28	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 756.32			\$ 743.53	\$ (12.79)	-1.69%
HST	13%		\$ 98.32	13%		\$ 96.66	\$ (1.66)	-1.69%
Ontario Electricity Rebate	31.8%		\$(240.51)	31.8%		\$(236.44)		
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 854.64			\$ 840.19	\$ (14.45)	-1.69%

In the manager's summary, discuss the reasons for the changes in the bill.

Customer Class:	SENTINEL LIGHTING SERVICE CLASSIFICATION		
RPP / Non-RPP:	Non-RPP (Other)		
Consumption	129	kWh	
Demand	-	kW	
Current Loss Factor	1.0509		
Proposed/Approved Loss Factor	1.0509		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 1.71	72	\$ 123.12	\$ 1.71	72	\$ 123.12	\$ -	0.00%
Distribution Volumetric Rate	\$ 4.0336	129	\$ 520.33	\$ 4.0336	129	\$ 520.33	\$ -	0.00%
Fixed Rate Riders	\$ -	72	\$ -	\$ -	72	\$ -	\$ -	
Volumetric Rate Riders	\$ -	129	\$ -	\$ -	129	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 643.45</b>			<b>\$ 643.45</b>	<b>\$ -</b>	<b>0.00%</b>
Line Losses on Cost of Power	\$ 0.1368	7	\$ 0.90	\$ 0.1368	7	\$ 0.90	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	-\$ 0.3739	129	\$(48.23)	-\$ 1.2613	129	\$(162.71)	\$ (114.47)	237.34%
CBR Class B Rate Riders	\$ -	129	\$ -	\$ -	129	\$ -	\$ -	
GA Rate Riders	\$ -	129	\$ -	-\$ 0.0006	129	\$ (0.08)	\$ (0.08)	
Low Voltage Service Charge	\$ 0.8183	129	\$ 105.56	\$ 0.8183	129	\$ 105.56	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	72	\$ -	\$ -	72	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	72	\$ -	\$ -	72	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	129	\$ -	\$ -	129	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 701.68</b>			<b>\$ 587.13</b>	<b>\$ (114.55)</b>	<b>-16.33%</b>
RTSR - Network	\$ 1.9938	136	\$ 270.29	\$ 2.0720	136	\$ 280.89	\$ 10.60	3.92%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.2001	136	\$ 298.26	\$ 2.2341	136	\$ 302.87	\$ 4.61	1.55%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 1,270.23</b>			<b>\$ 1,170.89</b>	<b>\$ (99.34)</b>	<b>-7.82%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0034	136	\$ 0.46	\$ 0.0034	136	\$ 0.46	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	136	\$ 0.07	\$ 0.0005	136	\$ 0.07	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	72	\$ 18.00	\$ 0.25	72	\$ 18.00	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1368	129	\$ 17.65	\$ 0.1368	129	\$ 17.65	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 1,306.41</b>			<b>\$ 1,207.07</b>	<b>\$ (99.34)</b>	<b>-7.60%</b>
HST	13%		\$ 169.83	13%		\$ 156.92	\$ (12.91)	-7.60%
Ontario Electricity Rebate	31.8%		\$ (415.44)	31.8%		\$ (383.85)		
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 1,476.24</b>			<b>\$ 1,363.98</b>	<b>\$ (112.26)</b>	<b>-7.60%</b>

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION		
RPP / Non-RPP:	Non-RPP (Other)		
Consumption	15,000	kWh	
Demand	-	kW	
Current Loss Factor	1.0509		
Proposed/Approved Loss Factor	1.0509		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 0.61	1197	\$ 730.17	\$ 0.61	1197	\$ 730.17	\$ -	0.00%
Distribution Volumetric Rate	\$ 6.6280	15000	\$ 99,420.00	\$ 6.6280	15000	\$ 99,420.00	\$ -	0.00%
Fixed Rate Riders	\$ -	1197	\$ -	\$ -	1197	\$ -	\$ -	
Volumetric Rate Riders	\$ -	15000	\$ -	\$ -	15000	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 100,150.17</b>			<b>\$ 100,150.17</b>	<b>\$ -</b>	<b>0.00%</b>
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	-\$ 0.3938	15,000	\$ (5,907.00)	-\$ 1.3257	15,000	\$ (19,885.50)	\$ (13,978.50)	236.64%
CBR Class B Rate Riders	\$ -	15,000	\$ -	\$ -	15,000	\$ -	\$ -	
GA Rate Riders	\$ -	15,000	\$ -	\$ 0.0005	15,000	\$ (7.50)	\$ (7.50)	
Low Voltage Service Charge	\$ 0.4007	15,000	\$ 6,010.50	\$ 0.4007	15,000	\$ 6,010.50	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1197	\$ -	\$ -	1197	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1197	\$ -	\$ -	1197	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	15,000	\$ -	\$ -	15,000	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 100,253.67</b>			<b>\$ 86,267.67</b>	<b>\$ (13,986.00)</b>	<b>-13.95%</b>
RTSR - Network	\$ 1.9933	15,764	\$ 31,421.38	\$ 2.0715	15,764	\$ 32,654.09	\$ 1,232.71	3.92%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.0775	15,764	\$ 16,985.17	\$ 1.0941	15,764	\$ 17,246.85	\$ 261.67	1.54%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 148,660.23</b>			<b>\$ 136,168.61</b>	<b>\$ (12,491.62)</b>	<b>-8.40%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0034	15,764	\$ 53.60	\$ 0.0034	15,764	\$ 53.60	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	15,764	\$ 7.88	\$ 0.0005	15,764	\$ 7.88	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1197	\$ 299.25	\$ 0.25	1197	\$ 299.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1368	15,764	\$ 2,156.45	\$ 0.1368	15,764	\$ 2,156.45	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 151,177.40</b>			<b>\$ 138,685.78</b>	<b>\$ (12,491.62)</b>	<b>-8.26%</b>
HST	13%		\$ 19,653.06	13%		\$ 18,029.15	\$ (1,623.91)	-8.26%
Ontario Electricity Rebate	31.8%		\$ -	31.8%		\$ -	\$ -	
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 170,830.46</b>			<b>\$ 156,714.93</b>	<b>\$ (14,115.53)</b>	<b>-8.26%</b>

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	Non-RPP (Retailer)		
Consumption	750	kWh	
Demand	-	kW	
Current Loss Factor	1.0509		
Proposed/Approved Loss Factor	1.0509		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 18.12	1	\$ 18.12	\$ 18.12	1	\$ 18.12	\$ -	0.00%
Distribution Volumetric Rate	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 18.12			\$ 18.12	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.1368	38	\$ 5.22	\$ 0.1368	38	\$ 5.22	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	-\$ 0.0011	750	\$ (0.83)	-\$ 0.0037	750	\$ (2.78)	\$ (1.95)	236.36%
CBR Class B Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
GA Rate Riders	\$ -	750	\$ -	-\$ 0.0005	750	\$ (0.38)	\$ (0.38)	
Low Voltage Service Charge	\$ 0.0014	750	\$ 1.05	\$ 0.0014	750	\$ 1.05	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 24.14			\$ 21.81	\$ (2.33)	-9.63%
RTSR - Network	\$ 0.0070	788	\$ 5.52	\$ 0.0073	788	\$ 5.75	\$ 0.24	4.29%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0039	788	\$ 3.07	\$ 0.0040	788	\$ 3.15	\$ 0.08	2.56%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 32.73			\$ 30.72	\$ (2.01)	-6.14%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	788	\$ 2.68	\$ 0.0034	788	\$ 2.68	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	788	\$ 0.39	\$ 0.0005	788	\$ 0.39	\$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1368	750	\$ 102.60	\$ 0.1368	750	\$ 102.60	\$ -	0.00%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 138.40			\$ 136.39	\$ (2.01)	-1.45%
HST	13%		\$ 17.99	13%		\$ 17.73	\$ (0.26)	-1.45%
Ontario Electricity Rebate	31.8%		\$ (44.01)	31.8%		\$ (43.37)	\$ (0.64)	1.45%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 156.39			\$ 154.12	\$ (2.27)	-1.45%

In the manager's summary, discuss the reasons for the changes.

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	274	kWh	
Demand	-	kW	
Current Loss Factor	1.0509		
Proposed/Approved Loss Factor	1.0509		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 18.12	1	\$ 18.12	\$ 18.12	1	\$ 18.12	\$ -	0.00%
Distribution Volumetric Rate	\$ -	274	\$ -	\$ -	274	\$ -	\$ -	
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	274	\$ -	\$ -	274	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 18.12			\$ 18.12	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.1280	14	\$ 1.79	\$ 0.1280	14	\$ 1.79	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	-\$ 0.0011	274	\$ (0.30)	-\$ 0.0037	274	\$ (1.01)	\$ (0.71)	236.36%
CBR Class B Rate Riders	\$ -	274	\$ -	\$ -	274	\$ -	\$ -	
GA Rate Riders	\$ -	274	\$ -	\$ -	274	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0014	274	\$ 0.38	\$ 0.0014	274	\$ 0.38	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	274	\$ -	\$ -	274	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 20.56			\$ 19.84	\$ (0.71)	-3.47%
RTSR - Network	\$ 0.0070	288	\$ 2.02	\$ 0.0073	288	\$ 2.10	\$ 0.09	4.29%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0039	288	\$ 1.12	\$ 0.0040	288	\$ 1.15	\$ 0.03	2.56%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 23.70			\$ 23.10	\$ (0.60)	-2.52%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	288	\$ 0.98	\$ 0.0034	288	\$ 0.98	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	288	\$ 0.14	\$ 0.0005	288	\$ 0.14	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.1280	175	\$ 22.45	\$ 0.1280	175	\$ 22.45	\$ -	0.00%
TOU - Mid Peak	\$ 0.1280	49	\$ 6.31	\$ 0.1280	49	\$ 6.31	\$ -	0.00%
TOU - On Peak	\$ 0.1280	49	\$ 6.31	\$ 0.1280	49	\$ 6.31	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 60.14			\$ 59.54	\$ (0.60)	-0.99%
HST	13%		\$ 7.82	13%		\$ 7.74	\$ (0.08)	-0.99%
Ontario Electricity Rebate	31.8%		\$ (19.12)	31.8%		\$ (18.93)	\$ 0.19	
<b>Total Bill on TOU</b>			\$ 48.83			\$ 48.35	\$ (0.48)	-0.99%

In the manager's summary, discuss the reasons for the changes.



Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	274	kWh
Demand	-	kW
Current Loss Factor	1.0509	
Proposed/Approved Loss Factor	1.0509	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 18.12	1	\$ 18.12	\$ 18.12	1	\$ 18.12	\$ -	0.00%
Distribution Volumetric Rate	\$ -	274	\$ -	\$ -	274	\$ -	\$ -	
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	274	\$ -	\$ -	274	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 18.12			\$ 18.12	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.1368	14	\$ 1.91	\$ 0.1368	14	\$ 1.91	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0011	274	\$ (0.30)	\$ 0.0037	274	\$ (1.01)	\$ (0.71)	236.36%
CBR Class B Rate Riders	\$ -	274	\$ -	\$ -	274	\$ -	\$ -	
GA Rate Riders	\$ -	274	\$ -	\$ 0.0005	274	\$ (0.14)	\$ (0.14)	
Low Voltage Service Charge	\$ 0.0014	274	\$ 0.38	\$ 0.0014	274	\$ 0.38	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	274	\$ -	\$ -	274	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 20.68			\$ 19.83	\$ (0.85)	-4.11%
RTSR - Network	\$ 0.0070	288	\$ 2.02	\$ 0.0073	288	\$ 2.10	\$ 0.09	4.29%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0039	288	\$ 1.12	\$ 0.0040	288	\$ 1.15	\$ 0.03	2.56%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 23.82			\$ 23.08	\$ (0.73)	-3.08%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	288	\$ 0.98	\$ 0.0034	288	\$ 0.98	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	288	\$ 0.14	\$ 0.0005	288	\$ 0.14	\$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1368	274	\$ 37.48	\$ 0.1368	274	\$ 37.48	\$ -	0.00%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 62.42			\$ 61.69	\$ (0.73)	-1.18%
HST 13%			\$ 8.12	13%		\$ 8.02	\$ (0.10)	-1.18%
Ontario Electricity Rebate 31.8%			\$ (19.85)	31.8%		\$ (19.62)		
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 70.54			\$ 69.71	\$ (0.83)	-1.18%

In the manager's summary, discuss the reason

1

## **Appendix 4      2018 RRWF<sup>42</sup>**

2

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42 MFR - Supporting documentation (e.g. relevant past decisions, RRWF etc.)



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2017 Filers



Version 7.00

Utility Name	Hydro Hawkesbury Inc.
Service Territory	
Assigned EB Number	EB-2017-0048
Name and Title	Michel Poulin, General Manager
Phone Number	613-632-6689
Email Address	<a href="mailto:mpoulin@hydrohawkesbury.ca">mpoulin@hydrohawkesbury.ca</a>

The RRWF has been enhanced commencing with 2017 rate applications to provide estimated base distribution rates. The enhanced RRWF is not intended to replace a utility's formal rate generator model which should continue to be the source of the proposed rates as well as the final ones at the conclusion of the proceeding. The load forecasting addition made to this model is intended to be demonstrative only and does not replace the information filed in the utility's application. In an effort to minimize the incremental work required from utilities, the cost allocation and rate design additions to this model do in fact replace former appendices that were required to be filed as part of the cost of service (Chapter 2) filing requirements.

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

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2017 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. Load Forecast](#)

[11. Cost Allocation](#)

[12. Residential Rate Design](#)

[13. Rate Design and Revenue Reconciliation](#)

[14. 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 format.***



# Revenue Requirement Workform (RRWF) for 2017 Filers

## Data Input <sup>(1)</sup>

	Initial Application	(2)	Adjustments	Interrogatory Responses	(6)	Adjustments	Per Board Decision
<b>1</b>	<b>Rate Base</b>						
	Gross Fixed Assets (average)	\$7,983,667		\$ 7,983,667		(\$10,153)	\$7,973,514
	Accumulated Depreciation (average)	(\$923,368)	(5)	(\$923,368)		(\$255)	(\$923,622)
	Allowance for Working Capital:					\$0	
	Controllable Expenses	\$1,210,114	\$17,768	\$ 1,227,882		(\$35,000)	\$1,192,882
	Cost of Power	\$19,519,602	\$122,266	\$ 19,641,868		(\$1,122,200)	\$18,519,668
	Working Capital Rate (%)	7.50%	(9)	7.50%	(9)		7.50% (9)
<b>2</b>	<b>Utility Income</b>						
	Operating Revenues:						
	Distribution Revenue at Current Rates	\$1,611,356	(\$11,267)	\$1,600,090		\$23,558	\$1,623,647
	Distribution Revenue at Proposed Rates	\$1,774,699	\$13,681	\$1,788,380		(\$28,479)	\$1,744,140
	Other Revenue:						
	Specific Service Charges	\$64,948	\$322	\$65,270		\$0	\$65,270
	Late Payment Charges	\$29,740	\$0	\$29,740		\$0	\$29,740
	Other Distribution Revenue	\$30,777	\$0	\$30,777		\$0	\$30,777
	Other Income and Deductions	\$82,429	\$0	\$82,429		\$6,000	\$88,429
	Total Revenue Offsets	\$207,894	(7)	\$208,216		\$6,000	\$214,216
	Operating Expenses:						
	OM+A Expenses	\$1,210,114		\$ 1,210,114		(\$35,000)	\$1,175,114
	Depreciation/Amortization	\$280,878		\$ 280,878		\$190	\$281,068
	Property taxes	\$ -	\$17,768	\$ 17,768			\$17,768
	Other expenses						
<b>3</b>	<b>Taxes/PILs</b>						
	Taxable Income:						
	Adjustments required to arrive at taxable income	(\$247,497)	(3)	(\$247,497)			(\$247,307)
	Utility Income Taxes and Rates:						
	Income taxes (not grossed up)	\$8,259		\$8,308			\$8,957
	Income taxes (grossed up)	\$9,717		\$9,774			\$10,538
	Federal tax (%)	10.50%		10.50%			10.50%
	Provincial tax (%)	4.50%		4.50%			4.50%
	Income Tax Credits						
<b>4</b>	<b>Capitalization/Cost of Capital</b>						
	Capital Structure:						
	Long-term debt Capitalization Ratio (%)	56.0%		56.0%			56.0%
	Short-term debt Capitalization Ratio (%)	4.0%	(8)	4.0%	(8)		4.0% (8)
	Common Equity Capitalization Ratio (%)	40.0%		40.0%			40.0%
	Preferred Shares Capitalization Ratio (%)						
		100.0%		100.0%			100.0%
	Cost of Capital						
	Long-term debt Cost Rate (%)	3.59%		3.50%			3.33%
	Short-term debt Cost Rate (%)	1.76%		1.76%			2.29%
	Common Equity Cost Rate (%)	8.78%		8.78%			9.00%
	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 (%)

(2) 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

(3) Net of addbacks and deductions to arrive at taxable income.

(4) Average of Gross Fixed Assets at beginning and end of the Test Year

(5) Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.

(6) 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.

(7) Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement

(8) 4.0% unless an Applicant has proposed or been approved for another amount.

(9) The default Working Capital Allowance factor is **7.5%** (of Cost of Power plus controllable expenses), per the letter issued by the Board on June 3, 2015. Alternatively, a WCA factor based on lead-lag study, with supporting rationale could be provided.



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2017 Filers

## Rate Base and Working Capital

Rate Base						
Line No.	Particulars	Initial Application	Adjustments	Interrogatory Responses	Adjustments	Per Board Decision
1	Gross Fixed Assets (average) <sup>(2)</sup>	\$7,983,667	\$ -	\$7,983,667	(\$10,153)	\$7,973,514
2	Accumulated Depreciation (average) <sup>(2)</sup>	(\$923,368)	\$ -	(\$923,368)	(\$255)	(\$923,622)
3	Net Fixed Assets (average) <sup>(2)</sup>	\$7,060,300	\$ -	\$7,060,300	(\$10,408)	\$7,049,892
4	Allowance for Working Capital <sup>(1)</sup>	\$1,554,729	\$10,503	\$1,565,231	(\$86,790)	\$1,478,441
5	<b>Total Rate Base</b>	<b>\$8,615,028</b>	<b>\$10,503</b>	<b>\$8,625,531</b>	<b>(\$97,198)</b>	<b>\$8,528,333</b>

### (1) Allowance for Working Capital - Derivation

6	Controllable Expenses	\$1,210,114	\$17,768	\$1,227,882	(\$35,000)	\$1,192,882
7	Cost of Power	\$19,519,602	\$122,266	\$19,641,868	(\$1,122,200)	\$18,519,668
8	Working Capital Base	\$20,729,716	\$140,034	\$20,869,750	(\$1,157,200)	\$19,712,551
9	Working Capital Rate % <sup>(1)</sup>	7.50%	0.00%	7.50%	0.00%	7.50%
10	Working Capital Allowance	\$1,554,729	\$10,503	\$1,565,231	(\$86,790)	\$1,478,441

#### Notes

(1) Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2017 cost of service applications is 7.5%, per the letter issued by the Board on June 3, 2015.

(2) Average of opening and closing balances for the year.



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2017 Filers

## Utility Income

Line No.	Particulars	Initial Application	Adjustments	Interrogatory Responses	Adjustments	Per Board Decision
	<b>Operating Revenues:</b>					
1	Distribution Revenue (at Proposed Rates)	\$1,774,699	\$13,681	\$1,788,380	(\$44,239)	\$1,744,140
2	Other Revenue <sup>(1)</sup>	\$207,894	\$322	\$208,216	\$6,000	\$214,216
3	Total Operating Revenues	\$1,982,593	\$14,003	\$1,996,596	(\$38,239)	\$1,958,356
	<b>Operating Expenses:</b>					
4	OM+A Expenses	\$1,210,114	\$ -	\$1,210,114	(\$35,000)	\$1,175,114
5	Depreciation/Amortization	\$280,878	\$ -	\$280,878	\$190	\$281,068
6	Property taxes	\$ -	\$17,768	\$17,768	\$ -	\$17,768
7	Capital taxes	\$ -	\$ -	\$ -	\$ -	\$ -
8	Other expense	\$ -	\$ -	\$ -	\$ -	\$ -
9	Subtotal (lines 4 to 8)	\$1,490,993	\$17,768	\$1,508,761	(\$34,810)	\$1,473,951
10	Deemed Interest Expense	\$179,324	(\$4,191)	\$175,133	(\$8,284)	\$166,848
11	Total Expenses (lines 9 to 10)	\$1,670,316	\$13,577	\$1,683,893	(\$43,094)	\$1,640,799
12	Utility income before income taxes	\$312,277	\$426	\$312,702	\$4,855	\$317,557
13	Income taxes (grossed-up)	\$9,717	\$57	\$9,774	\$764	\$10,538
14	Utility net income	\$302,560	\$369	\$302,929	\$4,091	\$307,020

## Notes

### Other Revenues / Revenue Offsets

(1)	Specific Service Charges	\$64,948	\$322	\$65,270	\$ -	\$65,270
	Late Payment Charges	\$29,740	\$ -	\$29,740	\$ -	\$29,740
	Other Distribution Revenue	\$30,777	\$ -	\$30,777	\$ -	\$30,777
	Other Income and Deductions	\$82,429	\$ -	\$82,429	\$6,000	\$88,429
	Total Revenue Offsets	\$207,894	\$322	\$208,216	\$6,000	\$214,216





# Revenue Requirement Workform (RRWF) for 2017 Filers

## Taxes/PILs

Line No.	Particulars	Application	Interrogatory Responses	Per Board Decision
<b><u>Determination of Taxable Income</u></b>				
1	Utility net income before taxes	\$302,560	\$302,929	\$307,020
2	Adjustments required to arrive at taxable utility income	(\$247,497)	(\$247,497)	(\$247,307)
3	Taxable income	\$55,063	\$55,431	\$59,713
<b><u>Calculation of Utility income Taxes</u></b>				
4	Income taxes	\$8,259	\$8,308	\$8,957
6	Total taxes	\$8,259	\$8,308	\$8,957
7	Gross-up of Income Taxes	\$1,458	\$1,466	\$1,581
8	Grossed-up Income Taxes	\$9,717	\$9,774	\$10,538
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	\$9,717	\$9,774	\$10,538
10	Other tax Credits	\$ -	\$ -	\$ -
<b><u>Tax Rates</u></b>				
11	Federal tax (%)	10.50%	10.50%	10.50%
12	Provincial tax (%)	4.50%	4.50%	4.50%
13	Total tax rate (%)	15.00%	15.00%	15.00%

## Notes





Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2017 Filers

## Capitalization/Cost of Capital

Line No.	Particulars	Capitalization Ratio		Cost Rate	Return
		(%)	(\$)	(%)	(\$)
<b>Initial Application</b>					
	<b>Debt</b>				
1	Long-term Debt	56.00%	\$4,824,416	3.59%	\$173,259
2	Short-term Debt	4.00%	\$344,601	1.76%	\$6,065
3	<b>Total Debt</b>	60.00%	\$5,169,017	3.47%	\$179,324
	<b>Equity</b>				
4	Common Equity	40.00%	\$3,446,011	8.78%	\$302,560
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	<b>Total Equity</b>	40.00%	\$3,446,011	8.78%	\$302,560
7	<b>Total</b>	100.00%	\$8,615,028	5.59%	\$481,883
<b>Interrogatory Responses</b>					
	<b>Debt</b>				
1	Long-term Debt	56.00%	\$4,830,297	3.50%	\$169,060
2	Short-term Debt	4.00%	\$345,021	1.76%	\$6,072
3	<b>Total Debt</b>	60.00%	\$5,175,319	3.38%	\$175,133
	<b>Equity</b>				
4	Common Equity	40.00%	\$3,450,212	8.78%	\$302,929
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	<b>Total Equity</b>	40.00%	\$3,450,212	8.78%	\$302,929
7	<b>Total</b>	100.00%	\$8,625,531	5.54%	\$478,061
<b>Per Board Decision</b>					
	<b>Debt</b>				
8	Long-term Debt	56.00%	\$4,775,867	3.33%	\$159,036
9	Short-term Debt	4.00%	\$341,133	2.29%	\$7,812
10	<b>Total Debt</b>	60.00%	\$5,117,000	3.26%	\$166,848
	<b>Equity</b>				
11	Common Equity	40.00%	\$3,411,333	9.00%	\$307,020
12	Preferred Shares	0.00%	\$ -	0.00%	\$ -
13	<b>Total Equity</b>	40.00%	\$3,411,333	9.00%	\$307,020
14	<b>Total</b>	100.00%	\$8,528,333	5.56%	\$473,868

### Notes



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2017 Filers

## Revenue Deficiency/Sufficiency

Line No.	Particulars	Initial Application		Interrogatory Responses		Per Board Decision	
		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		\$180,736		\$210,019		\$129,359
2	Distribution Revenue	\$1,611,356	\$1,593,963	\$1,600,090	\$1,578,361	\$1,623,647	\$1,614,781
3	Other Operating Revenue	\$207,894	\$207,894	\$208,216	\$208,216	\$214,216	\$214,216
	Offsets - net						
4	<b>Total Revenue</b>	<u>\$1,819,250</u>	<u>\$1,982,593</u>	<u>\$1,808,306</u>	<u>\$1,996,596</u>	<u>\$1,837,863</u>	<u>\$1,958,356</u>
5	Operating Expenses	\$1,490,993	\$1,490,993	\$1,508,761	\$1,508,761	\$1,473,951	\$1,473,951
6	Deemed Interest Expense	\$179,324	\$179,324	\$175,133	\$175,133	\$166,848	\$166,848
8	<b>Total Cost and Expenses</b>	<u>\$1,670,316</u>	<u>\$1,670,316</u>	<u>\$1,683,893</u>	<u>\$1,683,893</u>	<u>\$1,640,799</u>	<u>\$1,640,799</u>
9	<b>Utility Income Before Income Taxes</b>	\$148,934	\$312,277	\$124,412	\$312,702	\$197,064	\$317,557
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$247,497)	(\$247,497)	(\$247,497)	(\$247,497)	(\$247,307)	(\$247,307)
11	<b>Taxable Income</b>	(\$98,563)	\$64,779	(\$123,085)	\$65,205	(\$50,243)	\$70,250
12	Income Tax Rate	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%
13		\$ -	\$9,717	\$ -	\$9,781	\$ -	\$10,537
	<b>Income Tax on Taxable Income</b>						
14	<b>Income Tax Credits</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	<b>Utility Net Income</b>	<u>\$148,934</u>	<u>\$302,560</u>	<u>\$124,412</u>	<u>\$302,929</u>	<u>\$197,064</u>	<u>\$307,020</u>
16	<b>Utility Rate Base</b>	\$8,615,028	\$8,615,028	\$8,625,531	\$8,625,531	\$8,528,333	\$8,528,333
17	Deemed Equity Portion of Rate Base	\$3,446,011	\$3,446,011	\$3,450,212	\$3,450,212	\$3,411,333	\$3,411,333
18	Income/(Equity Portion of Rate Base)	4.32%	8.78%	3.61%	8.78%	5.78%	9.00%
19	Target Return - Equity on Rate Base	8.78%	8.78%	8.78%	8.78%	9.00%	9.00%
20	Deficiency/Sufficiency in Return on Equity	-4.46%	0.00%	-5.17%	0.00%	-3.22%	0.00%
21	Indicated Rate of Return	3.81%	5.59%	3.47%	5.54%	4.27%	5.56%
22	Requested Rate of Return on Rate Base	5.59%	5.59%	5.54%	5.54%	5.56%	5.56%
23	Deficiency/Sufficiency in Rate of Return	-1.78%	0.00%	-2.07%	0.00%	-1.29%	0.00%
24	Target Return on Equity	\$302,560	\$302,560	\$302,929	\$302,929	\$307,020	\$307,020
25	Revenue Deficiency/(Sufficiency)	\$153,626	\$ -	\$178,516	\$ -	\$109,956	(\$0)
26	<b>Gross Revenue Deficiency/(Sufficiency)</b>	<u>\$180,736 <sup>(1)</sup></u>		<u>\$210,019 <sup>(1)</sup></u>		<u>\$129,359 <sup>(1)</sup></u>	

### Notes:

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2017 Filers

## Revenue Requirement

Line No.	Particulars	Application	Interrogatory Responses	Per Board Decision
1	OM&A Expenses	\$1,210,114	\$1,210,114	\$1,175,114
2	Amortization/Depreciation	\$280,878	\$280,878	\$281,068
3	Property Taxes	\$ -	\$17,768	\$17,768
5	Income Taxes (Grossed up)	\$9,717	\$9,774	\$10,538
6	Other Expenses	\$ -		
7	Return			
	Deemed Interest Expense	\$179,324	\$175,133	\$166,848
	Return on Deemed Equity	\$302,560	\$302,929	\$307,020
8	<b>Service Revenue Requirement (before Revenues)</b>	<u>\$1,982,593</u>	<u>\$1,996,596</u>	<u>\$1,958,356</u>
9	Revenue Offsets	\$207,894	\$208,216	\$214,216
10	<b>Base Revenue Requirement (excluding Tranformer Owership Allowance credit adjustment)</b>	<u>\$1,774,699</u>	<u>\$1,788,380</u>	<u>\$1,744,140</u>
11	Distribution revenue	\$1,774,699	\$1,788,380	\$1,744,140
12	Other revenue	\$207,894	\$208,216	\$214,216
13	<b>Total revenue</b>	<u>\$1,982,593</u>	<u>\$1,996,596</u>	<u>\$1,958,356</u>
14	<b>Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)</b>	<u>\$ -</u> <sup>(1)</sup>	<u>\$ -</u> <sup>(1)</sup>	<u>(\$0)</u> <sup>(1)</sup>

## Summary Table of Revenue Requirement and Revenue Deficiency/Sufficiency

	Application	Interrogatory Responses	$\Delta\%$ <sup>(2)</sup>	Per Board Decision	$\Delta\%$ (2)
<b>Service Revenue Requirement</b>	\$1,982,593	\$1,996,596	\$0	\$1,958,356	(\$1)
<b>Grossed-Up Revenue</b>					
<b>Deficiency/(Sufficiency)</b>	\$180,736	\$210,019	\$0	\$129,359	(\$1)
<b>Base Revenue Requirement (to be recovered from Distribution Rates)</b>	\$1,774,699	\$1,788,380	\$0	\$1,744,140	(\$1)
<b>Revenue Deficiency/(Sufficiency) Associated with Base Revenue Requirement</b>	\$163,342	\$188,290	\$0	\$120,493	(\$1)

### Notes

- (1) Line 11 - Line 8  
(2) Percentage Change Relative to Initial Application



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2017 Filers

## Load Forecast Summary

This spreadsheet provides a summary of the customer and load forecast on which the test year revenue requirement is derived. The amounts serve as the denominators for deriving the rates to recover the test year revenue requirement for purposes of this RRWF.

The information to be input is inclusive of any adjustments to kWh and kW to reflect the impacts of CDM programs up to and including CDM programs planned to be executed in the test year. i.e., the load forecast adjustments determined in **Appendix 2-I** should be incorporated into the entries. The inputs should correspond with the summary of the Load Forecast for the Test Year in **Appendix 2-IB** and in Exhibit 3 of the application.

**Appendix 2-IB** is still required to be filled out, as it also provides a year-over-year variance analysis of demand growth and trends from historical actuals to the Bridge and Test Year forecasts.

Stage in Process:		Per Board Decision								
Customer Class		Initial Application			Interrogatory Responses			Per Board Decision		
Input the name of each customer class.		Customer / Connections	kWh	kW/kVA <sup>(1)</sup>	Customer / Connections	kWh	kW/kVA <sup>(1)</sup>	Customer / Connections	kWh	kW/kVA <sup>(1)</sup>
		Test Year average or mid-year	Annual	Annual	Test Year average or mid-year	Annual	Annual	Test Year average or mid-year	Annual	Annual
1	Residential	4,836	48,228,553	-	4,836	47,552,180	-	4,836	50,454,856	-
2	General Service < 50 kW	618	18,143,532	-	618	17,889,082	-	618	17,883,115	-
3	General Service > 50 to 4999 kW	89	81,021,489	211,046	89	79,885,218	212,831	89	85,142,906	221,782
4	Unmetered Scattered Load	10	429,307	-	10	422,721	4	10	432,358	-
5	Sentinel Lighting	57	84,029	238	57	82,740	240	57	84,626	240
6	Street Lighting	1,211	641,942	1,844	1,211	632,094	1,857	1,211	646,505	1,857
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
Total			148,548,851	213,128		146,464,034	214,932		154,644,367	223,879

### Notes:

<sup>(1)</sup> Input kW or kVA for those customer classes for which billing is based on demand (kW or kVA) versus energy consumption (kWh)



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2017 Filers

## Cost Allocation and Rate Design

This spreadsheet replaces **Appendix 2-P** and provides a summary of the results from the Cost Allocation spreadsheet, and is used in the determination of the class revenue requirement and, hence, ultimately, the determination of rates from customers in all classes to recover the revenue requirement.

Stage in Application Process: *Per Board Decision*

### A) Allocated Costs

Name of Customer Class <sup>(3)</sup>	Costs Allocated from Previous Study <sup>(1)</sup>	%	Allocated Class Revenue Requirement <sup>(1)</sup>	%
From Sheet 10. Load Forecast			(7A)	
1 Residential	\$ 935,363	58.81%	\$ 1,187,516	60.64%
2 General Service < 50 kW	\$ 227,732	14.32%	\$ 293,420	14.98%
3 General Service > 50 to 4999 kW	\$ 398,722	25.07%	\$ 443,989	22.67%
4 Unmetered Scattered Load	\$ 1,202	0.08%	\$ 3,209	0.16%
5 Sentinel Lighting	\$ 1,333	0.08%	\$ 2,306	0.12%
6 Street Lighting	\$ 26,213	1.65%	\$ 27,915	1.43%
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
Total	\$ 1,590,565	100.00%	\$ 1,958,355	100.00%
Allocated Revenue Requirement does not match Base Revenue Requirement from Sheet 9. Check data.			\$ 1,744,140.47	

- (1) Class Allocated Revenue Requirement, from Sheet O-1, Revenue to Cost || RR, row 40, from the Cost Allocation Study in this application. This excludes costs in deferral and variance accounts. For Embedded Distributors, Account 4750 - Low Voltage (LV) Costs are also excluded.
- (2) Host Distributors - Provide information on any embedded distributor(s) as a separate class, if applicable. If embedded distributors are billed in a General Service class, include the allocated costs and revenues of the embedded distributor(s) in the applicable class, and also complete Appendix 2-Q.
- (3) Customer Classes - If these differ from those in place in the previous cost allocation study, modify the customer classes to match the proposal in the current application as closely as possible.

**B) Calculated Class Revenues**

Name of Customer Class		Load Forecast (LF) X current approved rates (7B)	LF X current approved rates X (1+d) (7C)	LF X Proposed Rates (7D)	Miscellaneous Revenues (7E)
1	Residential	\$ 947,893	\$ 1,018,238	\$ 1,017,397	\$ 150,470
2	General Service < 50 kW	\$ 223,727	\$ 240,330	\$ 241,185	\$ 49,657
3	General Service > 50 to 4999 kW	\$ 428,586	\$ 460,392	\$ 460,397	\$ 11,341
4	Unmetered Scattered Load	\$ 2,448	\$ 2,630	\$ 2,627	\$ 296
5	Sentinel Lighting	\$ 1,921	\$ 2,063	\$ 2,065	\$ 187
6	Street Lighting	\$ 19,072	\$ 20,487	\$ 20,469	\$ 2,265
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Total		\$ 1,623,647	\$ 1,744,140	\$ 1,744,140	\$ 214,216

- (4) In columns 7B to 7D, LF means Load Forecast of Annual Billing Quantities (i.e., customers or connections, as applicable X 12 months, and kWh, kW or kVA as applicable. Revenue quantities should be net of the Transformer Ownership Allowance for applicable customer classes. Exclude revenues from rate adders and rate riders.
- (5) Columns 7C and 7D - Column Total should equal the Base Revenue Requirement for each.
- (6) Column 7C - The OEB-issued cost allocation model calculates "1+d" on worksheet O-1, cell C22. "d" is defined as Revenue Deficiency/Revenue at Current Rates.
- (7) Column 7E - If using the OEB-issued cost allocation model, enter Miscellaneous Revenues as it appears on worksheet O-1, row 19,



C) *Rebalancing Revenue-to-Cost Ratios*

Name of Customer Class		Previously Approved Ratios	Status Quo Ratios	Proposed Ratios	Policy Range
		Most Recent Year:	(7C + 7E) / (7A)	(7D + 7E) / (7A)	
		2014			
		%	%	%	%
1	Residential	100.00%	98.42%	98.35%	85 - 115
2	General Service < 50 kW	98.00%	98.83%	99.12%	85 - 115
3	General Service > 50 to 4999 kW	100.00%	106.25%	106.25%	80 - 120
4	Unmetered Scattered Load	70.00%	91.19%	91.10%	80 - 120
5	Sentinel Lighting	120.00%	97.58%	97.67%	80 - 120
6	Street Lighting	120.00%	81.50%	81.44%	80 - 120
7					80 - 120
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

- (8) Previously Approved Revenue-to-Cost (R/C) Ratios - For most applicants, the most recent year would be the third year (at the latest) of the Price Cap IR period. For example, if the applicant, rebased in 2012 with further adjustments to move within the range over two years, the Most Recent Year would be 2015. However, the ratios in 2015 would be equal to those after the adjustment in 2014.
- (9) Status Quo Ratios - The OEB-issued cost allocation model provides the Status Quo Ratios on Worksheet O-1. The Status Quo means "Before Rebalancing".
- (10) Ratios shown in red are outside of the allowed range. Applies to both Tables C and D.

(D) *Proposed Revenue-to-Cost Ratios* <sup>(11)</sup>

Name of Customer Class		Proposed Revenue-to-Cost Ratio			Policy Range
		Test Year	Price Cap IR Period		
		2018	2019	2020	
1	Residential	98.35%	98.35%	98.35%	85 - 115
2	General Service < 50 kW	99.12%	99.12%	99.12%	85 - 115
3	General Service > 50 to 4999 kW	106.25%	106.25%	106.25%	80 - 120
4	Unmetered Scattered Load	91.10%	91.10%	91.10%	80 - 120
5	Sentinel Lighting	97.67%	97.67%	97.67%	80 - 120
6	Street Lighting	81.44%	81.44%	81.44%	80 - 120
7					80 - 120
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

(11) The applicant should complete Table D if it is applying for approval of a revenue-to-cost ratio in 2017 that is outside of the OEB's policy range for any customer class. Table D will show that the distributor is likely to enter into the 2018 and 2019 Price Cap IR models, as necessary. For 2018 and 2019, enter the planned revenue-to-cost ratios that will be "Change" or "No Change" in 2017 (in the current Revenue/Cost Ratio Adjustment Workform, Worksheet C1.1 'Decision - Cost Revenue Adjustment, column d), and enter TBD for class(es) that will be entered as 'Rebalance'.





Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2017 Filers

## New Rate Design Policy For Residential Customers

Please complete the following tables.

### A Data Inputs (from Sheet 10. Load Forecast)

Test Year Billing Determinants for Residential Class	
Customers	4,836
kWh	50,454,856

Proposed Residential Class Specific Revenue Requirement <sup>1</sup>	\$ 1,017,397.00
--	-----------------

Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	11.90
Distribution Volumetric Rate (\$/kWh)	0.0051

### B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	11.9	4,836	\$ 690,573.46	72.85%
Variable	0.0051	50,454,856	\$ 257,319.77	27.15%
<b>TOTAL</b>	-	-	\$ 947,893.23	-

### C Calculating Test Year Base Rates

Number of Remaining Rate Design Policy Transition Years <sup>2</sup>	2
--	---

	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 741,209.40	12.77	\$ 741,060.77
Variable	\$ 276,187.60	0.0055	\$ 277,501.71
<b>TOTAL</b>	\$ 1,017,397.00	-	\$ 1,018,562.48

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Revenue Reconciliation @ Adjusted Rates
Fixed	86.43%	\$ 879,303.20	15.15	\$ 879,175.46
Variable	13.57%	\$ 138,093.80	0.0027	\$ 136,228.11
<b>TOTAL</b>	-	\$ 1,017,397.00	-	\$ 1,015,403.57

Checks <sup>3</sup>	
Change in Fixed Rate	\$ 2.38
Difference Between Revenues @ Proposed Rates and Class Specific	(\$1,993)
	-0.20%

### Notes:

- <sup>1</sup> The final residential class specific revenue requirement, excluding allocated Miscellaneous Revenues, as shown on Sheet 11. Cost Allocation, should be used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- <sup>2</sup> The distributor should enter the number of years remaining before the transition to fully fixed rates is completed. A distributor transitioning to fully fixed rates over a four year period and began the transition in 2016 would input the number "3" into cell D40. A distributor transitioning over a five-year period would input the number "4". Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- <sup>3</sup> Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)

Revenue Requirement Workform (RRWF) for 2017 Filers

Rate Design and Revenue Reconciliation

This sheet replaces Appendix 2-V, and provides a simplified model for calculating the standard monthly and volumetric rates based on the allocated class revenues and fixed/variable split resulting from the cost allocation study and rate design and as proposed by the applicant. However, the RRWF does not replace the rate generator model that an applicant distributor may use in support of its application. The RRWF provides a demonstrative check on the derivation of the revenue requirement and on the proposed base distribution rates to recover the revenue requirement, based on summary information from a more detailed rate generator model and other models that applicants use for cost allocation, load forecasting, taxes/PILs, etc.

Stage in Process:		Per Board Decision																			
Customer and Load Forecast					Class Allocated Revenues			Fixed / Variable Splits <sup>2</sup>			Distribution Rates				Revenue Reconciliation						
					From Sheet 11. Cost Allocation and Sheet 12. Residential Rate Design			Percentage to be entered as a fraction between 0 and 1													
Customer Class					Volumetric Charge Determinant	Customers / Connections	kWh	kW or kVA	Total Class Revenue Requirement	Monthly Service Charge	Volumetric	Fixed	Variable	Transformer Ownership Allowance <sup>1</sup> (\$)	Monthly Service Charge		Volumetric Rate		Revenues less Transformer Ownership Allowance		
From sheet 10. Load Forecast															Rate	No. of decimals	Rate	No. of decimals			
1	Residential	kWh	4,836	50,454,856	-	\$ 1,017,397	\$ 879,133	\$ 138,264	86.41%	13.59%				\$15.15	2	\$0.0027 /kWh	4	\$ 879,175.46	\$ 136,228.1117	\$ 1,015,403.57	
2	General Service < 50 kW	kWh	618	17,883,115	-	\$ 241,185	\$ 114,635	\$ 126,550	47.53%	52.47%				\$15.47		\$0.0071 /kWh		\$ 114,640.36	\$ 126,970.1179	\$ 241,610.48	
3	General Service > 50 to 4999 kW	kW	89	85,142,906	221,782	\$ 460,397	\$ 107,687	\$ 352,710	23.39%	76.61%	\$ 113,523			\$101.01		\$2.1022 /kW		\$ 107,689.21	\$ 466,229.6522	\$ 460,395.86	
4	Unmetered Scattered Load	kWh	10	432,358	-	\$ 2,627	\$ 818	\$ 1,809	31.12%	68.88%				\$7.12		\$0.0042 /kWh		\$ 818.04	\$ 1,815.9055	\$ 2,633.95	
5	Sentinel Lighting	kW	57	84,626	240	\$ 2,065	\$ 1,130	\$ 935	54.72%	45.28%				\$1.66		\$3.8960 /kW		\$ 1,130.06	\$ 935.0400	\$ 2,065.10	
6	Street Lighting	kW	1,211	646,505	1,857	\$ 20,469	\$ 8,581	\$ 11,888	41.92%	58.08%				\$0.59		\$6.4020 /kW		\$ 8,576.47	\$ 11,888.3072	\$ 20,464.78	
7			-	-	-													\$ -	\$ -	\$ -	
8			-	-	-													\$ -	\$ -	\$ -	
9			-	-	-													\$ -	\$ -	\$ -	
10			-	-	-													\$ -	\$ -	\$ -	
11			-	-	-													\$ -	\$ -	\$ -	
12			-	-	-													\$ -	\$ -	\$ -	
13			-	-	-													\$ -	\$ -	\$ -	
14			-	-	-													\$ -	\$ -	\$ -	
15			-	-	-													\$ -	\$ -	\$ -	
16			-	-	-													\$ -	\$ -	\$ -	
17			-	-	-													\$ -	\$ -	\$ -	
18			-	-	-													\$ -	\$ -	\$ -	
19			-	-	-													\$ -	\$ -	\$ -	
20			-	-	-													\$ -	\$ -	\$ -	
Total Transformer Ownership Allowance														\$ 113,523							
																Rates recover revenue requirement					
																Total Distribution Revenues					\$ 1,742,573.74
																Base Revenue Requirement					\$ 1,744,140.47
																Difference					-\$ 1,566.73
																% Difference					-0.090%
Notes:																					
1 Transformer Ownership Allowance is entered as a positive amount, and only for those classes to which it applies.																					



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2017 Filers

### Tracking Form

The first row shown, labelled "Original Application", summarizes key statistics based on the data inputs into the RRWF. After the original application filing, the applicant provides key changes in capital and operating expenses, load forecasts, cost of capital, etc., as revised through the processing of the application. This could be due to revisions or responses to interrogatories. 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.

<sup>(1)</sup> Short reference to evidence material (interrogatory response, undertaking, exhibit number, Board Decision, Code, Guideline, Report of the Board, etc.)

<sup>(2)</sup> Short description of change, issue, etc.

### Summary of Proposed Changes

Reference <sup>(1)</sup>	Item / Description <sup>(2)</sup>	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	\$ 481,883	5.59%	\$ 8,615,028	\$ 20,729,716	\$ 1,554,729	\$ 280,878	\$ 9,717	\$ 1,210,114	\$ 1,982,593	\$ 207,894	\$ 1,774,699	\$ 180,736
1 3-VECC-16	Correction of HDD/CDD formula (avg)	\$ 481,992	5.59%	\$ 8,616,977	\$ 20,755,691	\$ 1,556,677	\$ 280,878	\$ 9,729	\$ 1,210,114	\$ 1,982,714	\$ 207,894	\$ 1,774,820	\$ 179,615

1 **Appendix 5 PDF of IRM Generator<sup>43</sup>**

2 HHI was unable to print to PDF the IRM Rate Generator therefore the model is being filed in Excel format only.

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43 MFR - Completed Rate Generator Model and supplementary work forms, Excel and PDF

1

## **Appendix 5      PDF of GA Workform**

2

# GA Analysis Workform

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

Year		2017		
Total Metered excluding WMP	C = A+B	135,957,085	kWh	100%
RPP	A	60,851,387	kWh	43.8%
Non-RPP	B = D+E	78,105,698	kWh	56.2%
Non-RPP Class A	D	6,068,862	kWh	4.4%
Non-RPP Class B*	E	72,037,036	kWh	51.8%

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

Note 3 **GA Billing Rate**

GA is billed on the

1st Estimate

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

Yes

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

Yes

Note 4 **Analysis of Expected GA Amount**

Year	2017									
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	7,464,796			7,464,796	0.06687	\$ 499,171	0.08227	\$ 614,129	\$ 114,958	
February	6,817,575			6,817,575	0.10559	\$ 719,868	0.08639	\$ 588,970	\$ (130,897)	
March	7,840,793			7,840,793	0.08409	\$ 659,332	0.07135	\$ 559,441	\$ (99,892)	
April	6,079,984			6,079,984	0.06874	\$ 417,938	0.10778	\$ 655,301	\$ 237,363	
May	6,512,413			6,512,413	0.10623	\$ 691,814	0.12307	\$ 801,483	\$ 109,669	
June	6,678,143			6,678,143	0.11954	\$ 796,305	0.11848	\$ 791,226	\$ (7,079)	
July	6,342,253			6,342,253	0.10652	\$ 675,577	0.11280	\$ 715,406	\$ 39,829	
August	6,552,583			6,552,583	0.11500	\$ 753,547	0.10109	\$ 662,401	\$ (91,146)	
September	5,777,200			5,777,200	0.12739	\$ 735,958	0.08864	\$ 512,091	\$ (223,867)	
October	5,599,501			5,599,501	0.10212	\$ 571,821	0.12563	\$ 703,465	\$ 131,644	
November	5,747,517			5,747,517	0.11164	\$ 641,653	0.09704	\$ 557,739	\$ (83,914)	
December	5,957,041			5,957,041	0.08391	\$ 499,855	0.09207	\$ 548,465	\$ 48,609	
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	77,369,799	-	-	77,369,799		\$ 7,664,838		\$ 7,710,116	\$ 45,278	

Calculated Loss Factor 1.0740  
Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW 1.0541  
Difference 0.0199

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

New OEB models were used to recalculate the variances for accounts 1588 and 1589 from 2017 to 2019

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

Difference less than 1%

Note 5 **Reconciling Items**

Item	Amount	Explanation	Principal Adjustment on DVA Continuity Schedule	Principal Adjustments
Net Change in Principal Balance in the GL (i.e. Transactions in the Year)	\$ 22,944			If "no", please provide an explanation
CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year				
CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year				
2a Remove prior year end unbilled to actual revenue differences				
2b Add current year end unbilled to actual revenue differences				
3a Remove difference between prior year accrual/forecast to actual from long term load transfers				
3b Add difference between current year accrual/forecast to actual from long term load transfers				
4 Remove GA balances pertaining to Class A customers				
5 Significant prior period billing adjustments recorded in current year				
Differences in GA IESO posted rate and rate charged on IESO invoice				
7 Differences in actual system losses and billed TLFs				
8 Others as justified by distributor				
9				
10				

Note 6 **Adjusted Net Change in Principal Balance in the GL**  
Net Change in Expected GA Balance in the Year Per Analysis \$ 22,944  
Unresolved Difference \$ 45,278  
Unresolved Difference as % of Expected GA Payments to IESO \$ (22,334)  
-0.3%

## GA Analysis Workform

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

Year		2018		
Total Metered excluding WMP	C = A+B	144,130,136	kWh	100%
RPP	A	64,445,530	kWh	44.7%
Non-RPP	B = D+E	79,683,606	kWh	55.3%
Non-RPP Class A	D	15,041,117	kWh	10.4%
Non-RPP Class B*	E	64,652,489	kWh	44.9%

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

Note 3 GA Billing Rate

GA is billed on the

1st Estimate

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

Yes

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

Yes

Note 4 Analysis of Expected GA Amount

Year	2018									
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 = L/L	=M-K	
January	6,555,898			6,555,898	0.08777	\$ 575,411	0.08736	\$ 441,605	\$ (133,806)	
February	5,743,034			5,743,034	0.07333	\$ 421,137	0.08167	\$ 469,034	\$ 47,897	
March	6,000,409			6,000,409	0.07877	\$ 472,652	0.09481	\$ 568,899	\$ 96,247	
April	5,615,644			5,615,644	0.09810	\$ 550,895	0.09959	\$ 559,262	\$ 8,367	
May	5,703,698			5,703,698	0.09392	\$ 535,691	0.10793	\$ 615,600	\$ 79,909	
June	5,756,560			5,756,560	0.13336	\$ 767,695	0.11896	\$ 684,800	\$ (82,894)	
July	6,018,252			6,018,252	0.08502	\$ 511,672	0.07737	\$ 465,632	\$ (46,040)	
August	5,960,754			5,960,754	0.07790	\$ 464,343	0.07490	\$ 446,460	\$ (17,882)	
September	5,429,679			5,429,679	0.08424	\$ 457,396	0.08584	\$ 466,084	\$ 8,687	
October	5,472,835			5,472,835	0.08921	\$ 488,232	0.12059	\$ 659,969	\$ 171,738	
November	5,799,559			5,799,559	0.12235	\$ 709,576	0.09855	\$ 571,547	\$ (138,030)	
December	5,359,685			5,359,685	0.09198	\$ 492,984	0.07404	\$ 396,831	\$ (96,153)	
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	69,416,007	-	-	69,416,007		\$ 6,447,683		\$ 6,345,723	\$ (101,960)	

Calculated Loss Factor 1.0737

Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW Difference 1.0509 0.0228

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

New OEB models were used to recalculate the variances for accounts 1588 and 1589 from 2017 to 2019

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

Difference less than 1%

Note 5 Reconciling Items

Item	Amount	Explanation	Principal Adjustment on DVA Continuity Schedule	Principal Adjustments If "no", please provide an explanation
Net Change in Principal Balance in the GL (i.e. Transactions in the Year)	\$ (153,217)			
1a CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year				
1b CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year				
2a Remove prior year end unbilled to actual revenue differences				
2b Add current year end unbilled to actual revenue differences				
3a Remove difference between prior year accrual/forecast to actual from long term load transfers				
3b Add difference between current year accrual/forecast to actual from long term load transfers				
4 Remove GA balances pertaining to Class A customers				
5 Significant prior period billing adjustments recorded in current year				
6 Differences in GA IESO posted rate and rate charged on IESO invoice				
7 Differences in actual system losses and billed TLFs				
8 Others as justified by distributor				
9				
10				

Note 6 Adjusted Net Change in Principal Balance in the GL	\$ (153,217)
Net Change in Expected GA Balance in the Year Per Analysis	\$ (101,960)
Unresolved Difference	\$ (51,257)
Unresolved Difference as % of Expected GA Payments to IESO	-0.8%

# GA Analysis Workform

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

Year		2019		
Total Metered excluding WMP	C = A+B	141,271,361	kWh	100%
RPP	A	63,970,070	kWh	45.3%
Non-RPP	B = D+E	77,301,291	kWh	54.7%
Non-RPP Class A	D	13,264,976	kWh	9.4%
Non-RPP Class B*	E	64,036,315	kWh	45.3%

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

**Note 3 GA Billing Rate**

GA is billed on the

1st Estimate

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

Yes

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

Yes

**Note 4 Analysis of Expected GA Amount**

Year	2019									
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed (\$/kWh)	\$ Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)	
	F	G	H	I = F-G+H	J	K = I*J	L	M = L*J	=M-K	
January	6,467,490			6,467,490	0.06741	\$ 435,974	0.08092	\$ 523,349	\$ 87,376	
February	5,642,382			5,642,382	0.09657	\$ 544,885	0.08812	\$ 497,207	\$ (47,678)	
March	5,939,248			5,939,248	0.08105	\$ 481,376	0.08041	\$ 477,575	\$ (3,801)	
April	5,356,583			5,356,583	0.08129	\$ 435,437	0.12333	\$ 660,627	\$ 225,191	
May	5,168,198			5,168,198	0.12860	\$ 664,630	0.12604	\$ 651,400	\$ (13,231)	
June	5,156,999			5,156,999	0.12444	\$ 641,737	0.13728	\$ 707,953	\$ 66,216	
July	6,013,060			6,013,060	0.13527	\$ 813,387	0.09646	\$ 579,960	\$ (233,427)	
August	5,792,621			5,792,621	0.07211	\$ 417,706	0.12607	\$ 730,276	\$ 312,570	
September	5,419,916			5,419,916	0.12934	\$ 701,012	0.12263	\$ 664,644	\$ (36,368)	
October	5,491,012			5,491,012	0.17878	\$ 981,683	0.13680	\$ 751,170	\$ (230,513)	
November	5,799,059			5,799,059	0.10727	\$ 622,065	0.09953	\$ 577,180	\$ (44,885)	
December	5,836,909			5,836,909	0.08569	\$ 500,165	0.09321	\$ 544,058	\$ 43,894	
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	68,083,477	-	-	68,083,477		\$ 7,240,056		\$ 7,365,400	\$ 125,344	

Calculated Loss Factor 1.0632  
Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW 1.0509  
Difference 0.0123

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

New OEB models were used to recalculate the variances for accounts 1588 and 1589 from 2017 to 2019

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

Difference less than 1%

**Note 5 Reconciling Items**

Item	Amount	Explanation	Principal Adjustments	Principal Adjustments
Net Change in Principal Balance in the GL (i.e. Transactions in the Year)	\$ 77,247		Principal Adjustment on DVA Continuity Schedule	If "no", please provide an explanation
1a CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year				
1b CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year	\$ 7,883			
2a Remove prior year end unbilled to actual revenue differences				
2b Add current year end unbilled to actual revenue differences				
3a Remove difference between prior year accrual/unbilled to actual from load transfers				
3b Add difference between current year accrual/unbilled to actual from load transfers				
3 Significant prior period billing adjustments recorded in current year				
4 Differences in actual system losses and billed TLFs				
5 CT 2148 for prior period corrections				
6 Others as justified by distributor				
7				
8				
9				
10				

Note 6	Adjusted Net Change in Principal Balance in the GL	\$ 85,130
	Net Change in Expected GA Balance in the Year Per Analysis	\$ 125,344
	Unresolved Difference	\$ (40,214)
	Unresolved Difference as % of Expected GA Payments to IESO	-0.5%