



# **RENFREW HYDRO INC.**

**ED-2002-0577**

## **2019 IRM APPLICATION**

**EB-2018-0064**

Rates Effective: January 1, 2019

Submitted on: August 13, 2018



Renfrew Hydro Inc.  
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Renfrew Hydro Inc.  
499 O'Brien Road, Unit B  
Renfrew, ON K7V 3Z3

August 13, 2018

Ontario Energy Board  
2300 Yonge Street  
P.O. Box 2319, 27<sup>th</sup> Floor  
Toronto, ON M4P 1E4

**Attention: Ms. Kirsten Walli, Board Secretary**

**Re: OEB File No. EB-2018-0064 - Renfrew Hydro Inc. - 2019 IRM Rate Application**

Dear Ms. Walli

Renfrew Hydro Inc. is pleased to submit to the Ontario Energy Board its Application for Electricity and Distribution Rates and Charges effective January 1, 2019, prepared in accordance to the Board's Chapter 3 Filing Requirements last updated on July 12, 2018. Two hard copies of the Application will follow by courier.

Renfrew Hydro Inc.'s application is being filed pursuant to the Board's e-Filing Services, consisting of one (1) electronic copy of the application in searchable/unrestricted PDF format and one (1) electronic copy in Microsoft Excel format of the following complete IRM models:

2019 IRM Rate Generator Model  
2019 Revenue-to-Cost Ratio Model  
2019 GA Analysis Work Form  
2019 Account-1595 Work Form

Should the Board have questions regarding this matter please contact Cindy Marshall at [cmarshall@renfrewhydro.com](mailto:cmarshall@renfrewhydro.com) or myself at [bnippard@renfrewhydro.com](mailto:bnippard@renfrewhydro.com).

Respectfully Submitted,

Bill Nippard  
President  
Renfrew Hydro Inc.



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## **APPLICATION**

### **ONTARIO ENERGY BOARD**

**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 Renfrew Hydro Inc. to the Ontario Energy Board for an Order or Orders approving or fixing just and reasonable rates and other service charges for the distribution of electricity and related matters to be effective January 1, 2019.*

**RENFREW HYDRO INC.**

**2019 IRM RATE APPLICATION**

**For New Rates to be Effective January 1, 2019**



## CONTACT INFORMATION

The primary contact for this Application is:

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**This application and related documents can be viewed on our website:**

**Internet Address: [www.renfrewhydro.com](http://www.renfrewhydro.com)**



## MANAGER'S SUMMARY

### 1. Introduction

Renfrew Hydro Inc. ("RHI") hereby applies to the Ontario Energy Board (the "Board") for approval of its 2019 Distribution Rate Adjustments effective January 1, 2019. RHI 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.

RHI has followed Chapter 3 of the Board's Filing Requirements for Electricity and Distribution Rate Applications dated July 12, 2018 along with the Key References listed at Chapter 3 Incentive Rate-Setting Applications.

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, 2019, RHI 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 2019 distribution rates. If the effective date does not coincide with the Board's decided implementation date for 2019 distribution rates and charges, RHI requests to be permitted to recover the incremental revenue from the effective date to the implementation date.

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

RHI reviewed both the existing "Tariff Sheets" and billing determinants in the pre-populated worksheets and confirms that they are accurate and agree with the most recent reported RRR filings.

RHI attests that the utility, its shareholder and all its customer classes will be affected by the outcome of this application.

In the preparation of this application, RHI used the 2019 IRM Rate Generator Model (Version 2.0) updated on July 24, 2018. The rates 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 the 2018 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. RHI also used the Revenue-to-Cost Ratio Adjustment Model to calculate adjustments approved in its 2017 cost of service application (EB-2016-0166).

Throughout this Incentive Rate-Setting Application, RHI has provided information pertaining to changes in its rates. The issues to be addressed are as follows:

1. **Price Cap Adjustment:** RHI is requesting a Price Cap Adjustment increase of 1.20% in accordance with Chapter 3 of the Ontario Energy Board Filing Requirements for Electricity Distribution Rate Applications, issued July 12, 2018.
2. **Revenue-to-Cost Ratio Adjustments:** RHI is applying for changes to the Revenue to Cost Ratios as approved in the 2017 Cost of Service Application (EB-2016-0166).
3. **Residential Rate Design:** RHI is transitioning to a fully fixed rate for its Residential customers. This application will see the third year of a four-year period of rate adjustments applied in accordance with Section 3.2.3 of the Filing Requirements.
4. **RTSR Adjustments:** RHI is requesting updated rates for Retail Transmission Service Rates.
5. **Deferral and Variance Accounts:** RHI is not requesting disposal of its Deferral and Variance Accounts as the balance falls below the threshold amount.
6. **Specific Service Charge and Loss Factors:** RHI is requesting the continuance of the Specific Service Charges and Loss Factor as approved in the 2017 Cost of Service Application (2016-0166).





7. **Disposition of LRAMVA:** RHI is not seeking to recover residual balances in its LRAMVA variance accounts in this proceeding.
8. **Tax Change:** RHI is not applying for a tax change rate rider, as the allocated tax sharing amount did not produce a rate rider. RHI proposes to transfer the entire OEB-approved tax sharing amount into account 1595 for disposition at a later date.
9. **ICM/Z-Factor:** RHI is not applying for an Incremental Capital Module or a Z-Factor claim.
10. **Rate Riders and Adders:** RHI is requesting the continuance of Rate Riders and Adders for which the sunset date has not yet been reached.



## 2. Distributor's Profile

Renfrew Hydro Inc. (RHI) is a licensed electricity distributor operating pursuant to electricity distribution license ED-2002-0577. RHI was incorporated under the Ontario Business Corporation Act on July 6<sup>th</sup>, 2000, and is 100% owned by the Town of Renfrew. RHI's urban service area is completely contained within the municipal boundaries of the Town of Renfrew. The area is embedded within the service territory of Hydro One Networks Inc.

RHI provides electrical distribution services to approximately 4,300 residential and commercial customers in its service area, which covers approximately 12.77 square kilometers.

RHI's distribution system is supplied by Hydro One Networks Inc.'s ("HONI") transmission system, primarily supplied from the Stewartville TS at a voltage level of 44 kV via the 10M3 feeder and 2 backup supply feeders (Stewartville 10M1 and Cobden 23M2). Sub-transmission feeders supply the distribution substations at a voltage of 44kV. The distribution system contains 5 distribution substations transforming voltage from 44 kV to 4.160 kV, where they supply feeders owned by RHI for wide-area distribution to residential and commercial customers.

As of end of December 2017, RHI relied on approximately 80 km of circuits to deliver 85,164,725 kWh of energy to approximately 4,300 customers. The circuits can be broken down into roughly 72 km of overhead lines and 8 km of underground conductor.

As of December 31, 2017 RHI had two (2) Class A customers.

RHI last filed for a Cost of Service application in 2016 for rates effective January 1, 2017 (EB-2016-0166).



### **3. Publication of Notice**

RHI is proposing that any required notices related to this Application appear in The Renfrew Mercury, which is a free publication circulated in RHI's service area.

The Renfrew Mercury

P.O. Box 400

Renfrew, ON K7V 4A8

Phone # 613-432-3655.



#### 4. Price Cap Adjustment

As per Board policy (Chapter 3) of the filing requirements, distribution rates are to be adjusted according to the annual Adjustment Mechanism as presented through the Board's Rate Generator model. RHI has updated its stretch factor based on the PEG Report to the Ontario Energy Board "*Empirical Research in Support of Incentive Rate-Setting: 2016 Benchmarking Update*" issued July, 2017. The price cap adjustment used in the 2019 Rate Generator is 0.75%. This calculation is based upon a price escalator of 1.20%, a productivity factor of 0.00%, and a stretch factor of 0.45%.

**Table 1: RHI Price Cap Parameters**

Stretch Factor Group	IV
Price Escalator	1.20%
Stretch Factor Value	0.45%
Productivity Factor	0.00%
Price Cap Index	0.75%

RHI has used the mode's default 2018 rate-setting parameters as a placeholder and understands Board staff will update RHI's IRM Rate Generator model once the 2019 stretch factor assignment and inflation factors are issued by the OEB.

The annual price cap adjustment mechanism under this application will apply to fixed and volumetric distribution rates for RHI. The annual price cap adjustment mechanism will not be applied to 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;
- Transformation and Primary Metering Allowances; and
- Smart Metering Entity Charge.

## **5. Revenue to Cost Ratio Adjustments**

Revenue to cost ratios measure the relationship between the revenues expected from a class of customers and the level of costs associated to that class. The Board has established target ratio ranges for Ontario electricity distributors in its Review of Electricity Distribution Cost Allocation Policy (EB-2012-0219), dated March 31, 2011. In RHI's 2017 Cost of Service Rate Application Decision (EB-2016-0166), RHI was directed to follow the approach of moving customers whose revenue-to-cost ratios that are above or below the approved ranges, to the lower and upper boundaries of their applicable ranges. Adjustments were to be made to the lowest or highest classes within their ranges as necessary to maintain revenue neutrality.

The OEB approved a three-year transition period for the adjustments to Revenue-to-Cost Ratios as contained in the 2017 Cost of Service settlement proposal for General Service >50, Street Lighting, and Unmetered Scattered Load customers to the Board's minimum policy target range. The adjustments summarized below were used in the Revenue-to-Cost Ratio Adjustment Model to calculate the rate adjustments applied to Tab 16 of the 2019 IRM Rate Generator model.



**Table 2 : Revenue to Cost Ratio Adjustment**

Class	Proposed Revenue- to-Cost Ratios			Policy Range
	<b>2017</b>	<b>2018</b>	<b>2019</b>	
	%	%	%	%
Residential	95.63	95.63	95.63	85 - 115
General Service < 50 kW	120.07	120.07	120.07	80 - 120
General Service > 50 kW	92.69	96.70	97.30	80 - 120
Unmetered Scattered Load	220.09	160.000	120.000	80 - 120
Street Lighting	160.00	120.000	120.000	85 - 115

## 6. Rate Design for Residential Electricity

On April 2, 2015, the OEB released Board Policy, EB-2014-0210, *A New Distribution Rate Design for Residential Electricity Consumers*. The report requires electricity distributors to transition to a fully fixed monthly distribution service charge for residential customers over a four-year period. RHI followed the approach set out in sheet 16 of the rate generator model to implement the third of four yearly adjustments to its Monthly Fixed Charge. The incremental fixed charge of \$2.54, as calculated at cell F25 of Worksheet 16 of the IRM model, falls below the \$4.00 threshold that would require mitigation. RHI is therefore not requesting to extend the OEB-approved transition period. RHI notes that the actual incremental residential monthly fixed charge with the price cap index applied is \$2.71.

Table 2 shows the existing rates compared to the proposed rates. The bill impacts are discussed further at Section 16 of this application.



**Table 3 : Current vs Proposed Distribution Rates**

Rate Class	Current Monthly Fixed Charge \$/Month	Proposed Monthly Fixed Charge \$/Month	Change \$/Month	Current Volumetric Charge	Proposed Volumetric Charge	Change	
Residential Service	19.95	22.66	2.71	0.0078	0.0039	(0.0039)	\$/kWh
General Service Less Than 50 kW Service	31.48	31.72	.24	0.0154	0.0155	0.0001	\$/kWh
General Service 50 To 4,999 kW Service	198.63	201.32	2.69	3.0052	3.0459	0.0407	\$/kW
Unmetered Scattered Load Service	28.48	21.15	(7.33)	0.0021	0.0016	(0.0005)	\$/kWh
Street Lighting Service	1.98	1.99	.01	4.1649	4.1961	0.0312	\$/kW



## 7. RTSR Adjustments

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

RHI used the RTSR Adjustment Worksheets embedded in the IRM Model to determine the proposed adjustments to the RTSR approved in its 2018 IRM.

The Loss Factor applied to the metered kWh is the Board-approved from the utility's 2017 Cost of Service application (EB-2016-0166).

The proposed adjustments of the RTSRs are shown in the tables below and the detailed calculations can be found in the 2019 IRM Model filed in conjunction with this application. RHI understands that the most recent sub-transmission rates approved by the OEB were used to generate the proposed rates, and OEB staff will adjust each distributor's 2019 RTSR section, once the January 1, 2019 sub-transmission adjustments have been determined.

**Table 4 : Proposed Network Service Rate**

		Current	Proposed	
Rate Class	Unit	RTSR-	RTSR-	Change
		Network	Network	
Residential Service	\$/kWh	0.0057	0.0053	-0.0004
General Service Less Than 50 kW Service	\$/kWh	0.0052	0.0048	-0.0004
General Service 50 To 4,999 kW Service	\$/kW	2.1160	1.9591	-0.1569
Unmetered Scattered Load Service	\$/kWh	0.0052	0.0048	-0.0004
Street Lighting Service	\$/kW	1.5958	1.4775	-0.1183





## 8. Table 5 : Line and Transformation Connection Service Rate

		Current	Proposed	
Rate Class	Unit	RTSR-	RTSR-	Change
		Connection	Connection	
Residential Service	\$/kWh	0.0037	0.0036	-0.0001
General Service Less Than 50 kW Service	\$/kWh	0.0034	0.0033	-0.0001
General Service 50 To 4,999 kW Service	\$/kW	1.2944	1.2448	-0.0496
Unmetered Scattered Load Service	\$/kWh	0.0034	0.0033	-0.0001
Street Lighting Service	\$/kW	1.0007	0.9624	-0.0383



## 9. Deferral and Variance Accounts

Chapter 3 of the Board's Filing Requirements and the *Report of the Board on Electricity Distributors' Deferral and Variance Account Review Report* (the "EDDVAR Report") provide that under the Price Cap IR, the distributor's Group 1 audited account balances will be reviewed and disposed of, if the pre-set disposition threshold \$0.001 per kWh (debit or credit) is exceeded. Distributors must file in the application Group 1 balances as at December 31, 2017 to determine if the threshold has been exceeded. RHI has completed the Board's 2019 IRM Rate Generator Tab 3: 2017 Continuity Schedule for up to the year ending 2017, with projected interest to December 31, 2018. Actual interest has been calculated based on the Board's prescribed rates. Projected interest for the period January 1, 2018 to December 31, 2018 is based upon the Board prescribed rate of 1.50% for Q1, and 1.89% for the remainder of the year. Deferral and RSVA balances as at December 31, 2017 match the 2017 Audited Financial Statements.

The balance of RHI's Group 1 Deferral and Variance accounts total (\$71,014), or (\$0.0008) per kWh. Since this is below the pre-set disposition threshold of \$0.001 per kWh, RHI is not requesting disposal of its deferral and variance account in this proceeding. A summary of the account balances are provided in Table 4.

**Table 6 : Deferral and Variance Account Balances**

			Interest to	Total
Group 1 Accounts	USoA	Principal	31-Dec-18	Balance
LV Variance Account	1550	208,286	6,655	214,942
Smart Metering Entity Charge Variance Account	1551	2,316	46	2,362
RSVA - Wholesale Market Service Charge	1580	(185,880)	(5,424)	(191,303)
RSVA Wholesale Market Service Charge - Sub-account CBR Class B	1580	(20,773)	(603)	(21,376)
RSVA - Retail Transmission Network Charge	1584	(102,370)	(2,780)	(105,151)
RSVA - Retail Transmission Connection Charge	1586	49,487	1,714	51,201
RSVA - Power (Excluding Global Adjustment)	1588	(23,566)	(1,536)	(25,102)
RSVA - Power Sub-account - Global Adjustment)	1589	3,972	648	4,620
Disposition and Recovery/Refund of Regulatory Balances (2015)	1595	(9,845)	8,638	(1,207)
<b>Group 1 Total (including Account 1589 - Global Adjustment)</b>		<b>(78,373)</b>	<b>7,360</b>	<b>(71,014)</b>



## **10. Specific Service Charge and Loss Factors**

RHI is applying to continue the Specific Service Charges and Loss Factor as approved by the board in the 2017 Cost of Service (EB-2016-0166).

## **11. RPP Settlement Process**

### **Global Adjustment**

The majority of RHI's customers are Class B customers. These customers pay the global adjustment ("GA") charge based on the amount of electricity they consume in a month (kWh). Within the Class B group, there are two categories of customers: RPP customers who pay an RPP rate which has a built in GA adjustment component and the remaining non-RPP customers who pay the Hourly Ontario Electricity Price, and a monthly GA price listed separately on their bill. RHI uses the GA first estimate to bill its non-RPP Class B customers, and to calculate and record unbilled revenues. This treatment is applicable for all customer classes.

For Class B customers, RSVA Account 1589 captures the difference between the GA amounts billed to non-RPP customers and the actual GA amount paid by the distributor for those customers to the IESO or host distributor. This is the variance between the final rate for GA and what is billed to customers using the First Estimate loaded into the billing system.

Customers who participate in the Industrial Conservation Initiative (ICI) are referred to as Class A customers and pay GA based on their percentage contribution to the top five peak Ontario demand hours (i.e. peak demand factor) over a 12-month period. RHI's first two (2) Class A customers opted in effective July 1, 2017. These customers are billed actual costs and have therefore not contributed to any of the balance accumulated in 1589 RSVA GA for the period they were Class A customers. When RHI's 1589 RSVA GA balance is large enough to dispose of, a calculation will be performed using the IRM model to create a separate rate rider for any Class B customers that transitioned to Class A during the period the Account 1589 RSVA GA



accumulated. This will ensure the balance in 1589 RSVA GA is appropriately allocated to only those customers that contributed to the variance in the account (Class B portion only).

RHI confirms that it follows the OEB Accounting Guidance on CBR issued by the Board on July 25, 2016. RHI bills its Class A customers their share of the monthly Ontario-wide total Capacity Based Recovery amount costs by the customer's Peak Demand Factor. These revenues match the costs, as charged to RHI from its host distributor.

RHI records WMS revenues for CBR on all consumption effective January 1, 2016 and onwards for Class B customers. The variance between the revenue billed to customers for Class B CBR and the costs are tracked in Account 1580 WMS Sub Account CBR Class B. When RHI's balance in WMS CBR Class B is large enough to dispose of, a calculation will be required to ensure the balance is allocated to only those customers that contributed to the variance in the account (Class B portion only).

### **Monthly Settlement Submissions**

RHI is required to settle the difference between spot and RPP pricing, for RPP customers within four business days of month end. The difference is determined by comparing the revenues billed to RPP customers (three-tiered TOU pricing and the two tiered RPP pricing), and the wholesale cost of power, which includes the amount of the global adjustment allocated to this portion of the distributors load.

When completing the monthly submission for IESO settlements, RHI uses a top down approach. RHI starts by collecting the current month's wholesale metering data from our third-party meter management vendor, Utilismart, then adds all embedded generation to calculate the total load (kWh) purchased. The Class A customer volumes are removed and can be determined directly from the meter management data. The split between RPP and non-RPP consumption, after the Class A customer volumes have been removed must be estimated. The current month's billing data is used to estimate the split. It is an estimate because the current month's billing data is based on the prior month's consumption. A percentage/ratio (current month's billing statistics based on prior month's consumption) is also used to determine the split between on-peak, off-peak, mid-



peak, tier 1, and tier 2 pricing from the RPP consumption. Once the consumption has been estimated the difference between estimated revenues and costs can be determined and settled with the IESO. The first estimate of the GA is used for this initial calculation, but once the actual GA rate is known, an adjustment is made to true-up in the following month.

RHI understands that it's current process for providing monthly settlement data includes estimates with some inherent assumptions due to the data timing and data limitations. RHI performs a reconciliation every quarter based on actual consumption volumes from the billing data for the RPP customers including on-peak, off-peak, mid-peak, tier 1, and tier 2. These quarterly true-ups are settled with the IESO on a regular basis and booked to the 1588-Power variance each quarter end to provide timely adjustments. RHI also performs an annual reconciliation to verify that the year end balances in the 1588-Power and 1589-GA variance accounts are accurate, while ensuring amounts requested for disposition pertain to the correct year.

RHI has completed the Board's Account 1589 Global Adjustment Analysis Work form (Appendix 6), which shows minimal unresolved differences from expected results.

#### **Overall Process and Procedural Controls over the IESO Settlement Process**

Management are knowledgeable on the methodologies pursuant to the OEB and IESO requirements and are responsible for updating internal processes and procedures accordingly. Management are also responsible for the settlement spreadsheet and to meet changing OEB/IESO settlement requirements.

The process designed in RHI's settlement process includes various reconciliation procedures to ensure the appropriate methodologies pursuant to the OEB and IESO requirements are met, and to ensure the accuracy and validity of the RPP claims.



## **12. Disposition of LRAMVA**

RHI is not seeking to recover residual balances in its LRAMVA variance account in this proceeding as it is deemed insignificant at this time, and instead proposes to dispose of these balances in a future application. RHI was last approved for the clearance of LRAMVA balances in a future rate application

## **13. Tax Change**

The Board determined there would be a 50/50 sharing of the impact of currently known legislative tax changes. RHI has completed the shared tax savings worksheet to determine if amounts should be refunded to or recovered from customers as a result of corporate tax savings implemented since the 2017 Cost of Service Application (EB-2016-0166). As indicated in the tax savings worksheets contained within the 2019 IRM Rate Generator model, the corporate tax rate will decrease from 15.00% to 12.50%. The change in the tax rate resulted in an incremental tax savings of (\$4,053). The 50% sharing on this tax change would be (\$2,026) and should be refunded to RHI customers. Since this allocated tax sharing amount was not large enough to produce a rate rider, RHI proposes to transfer the entire OEB-approved tax sharing amount into account 1595 for disposition at a later date.

## **14. ICM / Z-Factor**

RHI is not applying for a recovery of Incremental Capital or Z-Factor in this proceeding.

## **15. Current Tariff Sheets**

RHI's current tariff sheets are provided in Appendix 1.



## 16. Proposed Tariff Sheets

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

## 17. Bill Impacts

Table 5 below summarizes the proposed bill impacts as calculated at Sheet 20 of the model.

**Table 7 : Summary of Monthly Bill Impacts**

Rate Class	Usage		Current Rates	2019 Proposed Rates Total Bill	\$	%
	kWh	kW	Total Bill		Difference	Difference
Residential - RPP	750		110.84	110.19	(.65)	-0.59%
Residential - non-RPP	750		144.76	144.06	(.70)	-0.48%
Residential - RPP - 10th percentile	284		55.55	57.07	1.52	2.74%
Residential - non-RPP - 10th percentile	284		69.25	70.89	1.64	2.37%
GS<50 kW - RPP	2,000		283.49	282.81	(.68)	-0.24%
GS <50 kW - non-RPP	2,000		373.48	372.75	(.73)	-0.20%
GS 50 to 4,999 kW	69,167	176	11,129.77	11,099.83	(29.94)	-0.27%
Unmetered Scattered Load	397		92.46	83.93	(8.53)	-9.23%
Street Lighting	93,640	260	17,621.90	17,598.56	(23.34)	-0.13%

Detailed bill impacts for each rate class are provided in Appendix 3.

In Table 5, RHI included bill impacts for its Residential customers that represent the 10<sup>th</sup> consumption percentile. To calculate this, RHI extracted the 2017 actual average monthly residential kWh usage from the customer database, filtering out customers that had less than 12 months of consumption and those that used less than 50 kWh per month. The data was sorted to determine 10% of the total RHI residential customer count with the lowest average usage. The results indicated that 10% of RHI's residential customers use 284 kWh per month or less.



The total bill impact of the elements proposed in this application for all customers classes, including the RPP customers consuming at the 10<sup>th</sup> percentile is below 10%, and as a result no rate mitigation plans are necessary in this application.

## **18.2017 RRWF**

The Revenue Requirement Work Form from RHI's 2017 Cost of Service Application (EB-2016-0166) is presented at Appendix 4.

~Respectfully Submitted~





## **Certification of Evidence**

As President of Renfrew Hydro Inc. (RHI) I certify that, to the best of my knowledge, the evidence filed in RHI's 2019 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, 2018. 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,

RENFREW HYDRO INC.

Bill Nippard

President

Email: [bnippard@renfrewhydro.com](mailto:bnippard@renfrewhydro.com)

Telephone: 613-432-4884 ext. 224

Fax: 613-432-7463



## **Index to Appendices**

The following are appended to and form part of this Application;

Appendix 1: Current Tariff Sheet

Appendix 2: Proposed Tariff Sheet

Appendix 3: Bill Impacts

Appendix 4: 2017 Revenue Requirement Work Form (RRWF)

Appendix 5: 2018 Rate Generator Model

Appendix 6: GA Analysis Work Form



## **Appendix 1: Current Tariff Sheet**

**Schedule A**

**To Decision and Rate Order**

**Tariff of Rates and Charges**

**OEB File No: EB-2017-0072**

**DATED: December 14, 2017**

# Renfrew Hydro Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2018

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

EB-2017-0072

## RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

## APPLICATION

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

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

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

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

## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	19.95
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Rate Rider for Recovery of Stranded Meter Assets (2017) - effective until December 31, 2020	\$	0.17
Rate Rider for Disposition of Residual Historical Smart Meter Costs (2017) - effective until December 31, 2020	\$	1.42
Rate Rider for Disposition of Account 1576 (2017) - effective until December 31, 2020	\$	(1.55)
Distribution Volumetric Rate	\$/kWh	0.0078
Low Voltage Service Rate	\$/kWh	0.0022
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0057
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0037

## MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

# Renfrew Hydro Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2018

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

EB-2017-0072

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification applies to a non residential 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. 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.

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### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	31.48
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Rate Rider for Recovery of Stranded Meter Assets (2017) - effective until December 31, 2020	\$	0.30
Rate Rider for Disposition of Residual Historical Smart Meter Costs (2017) - effective until December 31, 2020	\$	3.10
Distribution Volumetric Rate	\$/kWh	0.0154
Low Voltage Service Rate	\$/kWh	0.0020
Rate Rider for Disposition of Account 1576 (2017) - effective until December 31, 2020	\$/kWh	(0.0024)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0052
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	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

# Renfrew Hydro Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2018

This schedule supersedes and replaces all previously  
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EB-2017-0072

## 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. 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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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 Debt Retirement Charge, the Global Adjustment and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	198.63
Rate Rider for Recovery of Stranded Meter Assets (2017) - effective until December 31, 2020	\$	6.03
Rate Rider for Disposition of Residual Historical Smart Meter Costs (2017) - effective until December 31, 2020	\$	11.60
Distribution Volumetric Rate	\$/kW	3.0052
Low Voltage Service Rate	\$/kW	0.7587
Rate Rider for Disposition of Account 1576 (2017) - effective until December 31, 2020	\$/kW	(0.8725)
Retail Transmission Rate - Network Service Rate	\$/kW	2.1160
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2944

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

**Renfrew Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2018**  
**This schedule supersedes and replaces all previously**  
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EB-2017-0072

## 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 customer will provide detailed manufacturer information/documentation with regard to electrical consumption of the unmetered load. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per customer)	\$	28.28
Distribution Volumetric Rate	\$/kWh	0.0021
Low Voltage Service Rate	\$/kWh	0.0020
Rate Rider for Disposition of Account 1576 (2017) - effective until December 31, 2020	\$/kWh	(0.0024)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0052
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	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



**Renfrew Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
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EB-2017-0072

## STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

## APPLICATION

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

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

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

## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	1.98
Distribution Volumetric Rate	\$/kW	4.1649
Low Voltage Service Rate	\$/kW	0.5865
Rate Rider for Disposition of Account 1576 (2017) - effective until December 31, 2020	\$/kW	(0.8532)
Retail Transmission Rate - Network Service Rate	\$/kW	1.5958
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.0007

## MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

**Renfrew Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2018**  
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EB-2017-0072

## **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.

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

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

Service Charge	\$	10.00
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**Renfrew Hydro Inc.**  
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EB-2017-0072

**ALLOWANCES**

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

**SPECIFIC SERVICE CHARGES**

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

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**Customer Administration**

Easement letter	\$	15.00
Account history	\$	15.00
Arrears certificate	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Returned cheque (plus bank charges)	\$	15.00

**Non-Payment of Account**

Late payment - per month	%	1.50
Late payment charge - per annum	%	19.56
Collection of account charge - no disconnection	\$	30.00
Disconnect/reconnect at meter - during regular hours	\$	65.00

**Other**

Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	22.35
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**Renfrew Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2018**  
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EB-2017-0072

## 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.

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	100.00
Monthly fixed charge, per retailer	\$	20.00
Monthly variable charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

## LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0810
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0702



## **Appendix 2: Proposed Tariff Sheet**

**Renfrew Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2019**  
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EB-2018-0064

## RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. 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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## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	22.66
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Rate Rider for Recovery of Stranded Meter Assets (2017) - effective until December 31, 2020	\$	0.17
Rate Rider for Disposition of Residual Historical Smart Meter Costs (2017) - effective until December 31, 2020	\$	1.42
Rate Rider for Disposition of Account 1576 (2017) - effective until December 31, 2020	\$	(1.55)
Distribution Volumetric Rate	\$/kWh	0.0039
Low Voltage Service Rate	\$/kWh	0.0022
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0053
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0036

## MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

**Renfrew Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2019**

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EB-2018-0064

**GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION**

This classification applies to a non residential 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. 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**

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**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge	\$	31.72
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Rate Rider for Recovery of Stranded Meter Assets (2017) - effective until December 31, 2020	\$	0.30
Rate Rider for Disposition of Residual Historical Smart Meter Costs (2017) - effective until December 31, 2020	\$	3.10
Distribution Volumetric Rate	\$/kWh	0.0155
Low Voltage Service Rate	\$/kWh	0.0020
Rate Rider for Disposition of Account 1576 (2017) - effective until December 31, 2020	\$/kWh	(0.0024)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0048
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0033

**MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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EB-2018-0064

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

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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 Debt Retirement Charge, the Global Adjustment and the HST.

**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge	\$	201.32
Rate Rider for Recovery of Stranded Meter Assets (2017) - effective until December 31, 2020	\$	6.03
Rate Rider for Disposition of Residual Historical Smart Meter Costs (2017) - effective until December 31, 2020	\$	11.60
Distribution Volumetric Rate	\$/kW	3.0459
Low Voltage Service Rate	\$/kW	0.7587
Rate Rider for Disposition of Account 1576 (2017) - effective until December 31, 2020	\$/kW	(0.8725)
Retail Transmission Rate - Network Service Rate	\$/kW	1.9591
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2448

**MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



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EB-2018-0064

**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 customer will provide detailed manufacturer information/documentation with regard to electrical consumption of the unmetered load. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

**APPLICATION**

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

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

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

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

**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge (per customer)	\$	21.15
Distribution Volumetric Rate	\$/kWh	0.0016
Low Voltage Service Rate	\$/kWh	0.0020
Rate Rider for Disposition of Account 1576 (2017) - effective until December 31, 2020	\$/kWh	(0.0024)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0048
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0033

**MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

**Renfrew Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2019**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2018-0064

**STREET LIGHTING SERVICE CLASSIFICATION**

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

**APPLICATION**

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

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

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

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

**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge (per connection)	\$	1.99
Distribution Volumetric Rate	\$/kW	4.1961
Low Voltage Service Rate	\$/kW	0.5865
Rate Rider for Disposition of Account 1576 (2017) - effective until December 31, 2020	\$/kW	(0.8532)
Retail Transmission Rate - Network Service Rate	\$/kW	1.4775
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.9624

**MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

**Renfrew Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2019**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2018-0064

## **microFIT SERVICE CLASSIFICATION**

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

### **APPLICATION**

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

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

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

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

### **Customer Administration**

Easement letter	\$	15.00
Account history	\$	15.00
Arrears certificate	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Returned cheque (plus bank charges)	\$	15.00

### **Non-Payment of Account**

# Renfrew Hydro Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2019

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

**EB-2018-0064**

Late payment - per month	%	1.50
Late payment charge - per annum	%	19.56
Collection of account charge - no disconnection	\$	30.00
Disconnect/reconnect at meter - during regular hours	\$	65.00

#### Other

Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	22.35
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### RETAIL SERVICE CHARGES (if applicable)

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

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

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

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, 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	\$	100.00
Monthly fixed charge, per retailer	\$	20.00
Monthly variable charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

### LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0810
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0702



## **Appendix 3: Bill Impacts**

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.

1. For those classes that are not eligible for the RPP price, the weighted average price including Class B GA through end of May 2017 of \$0.1101/kWh (IESO's Monthly Market Report for May 2017, page 22) 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.

[illegible]

Table 2

[illegible]

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	750	kWh	
Demand	-	kW	
Current Loss Factor	1.0810		
Proposed/Approved Loss Factor	1.0810		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 19.95	1	\$ 19.95	\$ 22.66	1	\$ 22.66	\$ 2.71	13.58%
Distribution Volumetric Rate	\$ 0.0078	750	\$ 5.85	\$ 0.0039	750	\$ 2.93	\$ (2.93)	-50.00%
Fixed Rate Riders	\$ 0.04	1	\$ 0.04	\$ 0.04	1	\$ 0.04	\$ -	0.00%
Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 25.84</b>			<b>\$ 25.63</b>	<b>\$ (0.21)</b>	<b>-0.83%</b>
Line Losses on Cost of Power	\$ 0.0820	61	\$ 4.98	\$ 0.0820	61	\$ 4.98	\$ -	0.00%
Total Deferral/Variance Account Rate	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
CBR Class B Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
GA Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0022	750	\$ 1.65	\$ 0.0022	750	\$ 1.65	\$ -	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>			<b>\$ 33.04</b>			<b>\$ 32.83</b>	<b>\$ (0.21)</b>	<b>-0.65%</b>
RTSR - Network	\$ 0.0057	811	\$ 4.62	\$ 0.0053	811	\$ 4.30	\$ (0.32)	-7.02%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0037	811	\$ 3.00	\$ 0.0036	811	\$ 2.92	\$ (0.08)	-2.70%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 40.66</b>			<b>\$ 40.04</b>	<b>\$ (0.62)</b>	<b>-1.53%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	811	\$ 2.92	\$ 0.0036	811	\$ 2.92	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	811	\$ 0.24	\$ 0.0003	811	\$ 0.24	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	488	\$ 31.69	\$ 0.0650	488	\$ 31.69	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	128	\$ 11.99	\$ 0.0940	128	\$ 11.99	\$ -	0.00%
TOU - On Peak	\$ 0.1320	135	\$ 17.82	\$ 0.1320	135	\$ 17.82	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 105.57</b>			<b>\$ 104.95</b>	<b>\$ (0.62)</b>	<b>-0.59%</b>
HST	13%		\$ 13.72	13%		\$ 13.64	\$ (0.08)	-0.59%
8% Rebate	8%		\$ (8.45)	8%		\$ (8.40)	\$ 0.05	
<b>Total Bill on TOU</b>			<b>\$ 110.84</b>			<b>\$ 110.19</b>	<b>\$ (0.65)</b>	<b>-0.59%</b>



Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	2,000	kWh	
Demand	-	kW	
Current Loss Factor	1.0810		
Proposed/Approved Loss Factor	1.0810		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 31.48	1	\$ 31.48	\$ 31.72	1	\$ 31.72	\$ 0.24	0.76%
Distribution Volumetric Rate	\$ 0.0154	2000	\$ 30.80	\$ 0.0155	2000	\$ 31.00	\$ 0.20	0.65%
Fixed Rate Riders	\$ 3.40	1	\$ 3.40	\$ 3.40	1	\$ 3.40	\$ -	0.00%
Volumetric Rate Riders	\$ 0.0024	2000	\$ (4.80)	\$ 0.0024	2000	\$ (4.80)	\$ -	0.00%
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 60.88</b>			<b>\$ 61.32</b>	<b>\$ 0.44</b>	<b>0.72%</b>
Line Losses on Cost of Power	\$ 0.0820	162	\$ 13.28	\$ 0.0820	162	\$ 13.28	\$ -	0.00%
Total Deferral/Variance Account Rate	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
CBR Class B Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
GA Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0020	2,000	\$ 4.00	\$ 0.0020	2,000	\$ 4.00	\$ -	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>\$ 78.73</b>			<b>\$ 79.17</b>	<b>\$ 0.44</b>	<b>0.56%</b>
RTSR - Network	\$ 0.0052	2,162	\$ 11.24	\$ 0.0048	2,162	\$ 10.38	\$ (0.86)	-7.69%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0034	2,162	\$ 7.35	\$ 0.0033	2,162	\$ 7.13	\$ (0.22)	-2.94%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 97.33</b>			<b>\$ 96.68</b>	<b>\$ (0.64)</b>	<b>-0.66%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,162	\$ 7.78	\$ 0.0036	2,162	\$ 7.78	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	2,162	\$ 0.65	\$ 0.0003	2,162	\$ 0.65	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	1,300	\$ 84.50	\$ 0.0650	1,300	\$ 84.50	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	340	\$ 31.96	\$ 0.0940	340	\$ 31.96	\$ -	0.00%
TOU - On Peak	\$ 0.1320	360	\$ 47.52	\$ 0.1320	360	\$ 47.52	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 269.99</b>			<b>\$ 269.35</b>	<b>\$ (0.64)</b>	<b>-0.24%</b>
HST	13%		\$ 35.10	13%		\$ 35.02	\$ (0.08)	-0.24%
8% Rebate	8%		\$ (21.60)	8%		\$ (21.55)	\$ 0.05	
<b>Total Bill on TOU</b>			<b>\$ 283.49</b>			<b>\$ 282.81</b>	<b>\$ (0.67)</b>	<b>-0.24%</b>

Customer Class:	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	69,167	kWh
Demand	176	kW
Current Loss Factor	1.0810	
Proposed/Approved Loss Factor	1.0810	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 198.63	1	\$ 198.63	\$ 201.32	1	\$ 201.32	\$ 2.69	1.35%
Distribution Volumetric Rate	\$ 3.0052	176	\$ 528.92	\$ 3.0459	176	\$ 536.08	\$ 7.16	1.35%
Fixed Rate Riders	\$ 17.63	1	\$ 17.63	\$ 17.63	1	\$ 17.63	\$ -	0.00%
Volumetric Rate Riders	\$ 0.8725	176	\$ (153.56)	\$ 0.8725	176	\$ (153.56)	\$ -	0.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 591.62			\$ 601.47	\$ 9.85	1.67%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate	\$ -	176	\$ -	\$ -	176	\$ -	\$ -	
Riders	\$ -	176	\$ -	\$ -	176	\$ -	\$ -	
CBR Class B Rate Riders	\$ -	176	\$ -	\$ -	176	\$ -	\$ -	
GA Rate Riders	\$ -	69,167	\$ -	\$ -	69,167	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.7587	176	\$ 133.53	\$ 0.7587	176	\$ 133.53	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	176	\$ -	\$ -	176	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 725.15			\$ 735.00	\$ 9.85	1.36%
RTSR - Network	\$ 2.1160	176	\$ 372.42	\$ 1.9591	176	\$ 344.80	\$ (27.61)	-7.41%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.2944	176	\$ 227.81	\$ 1.2448	176	\$ 219.08	\$ (8.73)	-3.83%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 1,325.38			\$ 1,298.89	\$ (26.49)	-2.00%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	74,770	\$ 269.17	\$ 0.0036	74,770	\$ 269.17	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	74,770	\$ 22.43	\$ 0.0003	74,770	\$ 22.43	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	74,770	\$ 8,232.12	\$ 0.1101	74,770	\$ 8,232.12	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 9,849.35			\$ 9,822.86	\$ (26.49)	-0.27%
HST	13%		\$ 1,280.42	13%		\$ 1,276.97	\$ (3.44)	-0.27%
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 11,129.77			\$ 11,099.83	\$ (29.93)	-0.27%

Customer Class:	<b>UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION</b>	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	397	kWh
Demand	-	kW
Current Loss Factor	1.0810	
Proposed/Approved Loss Factor	1.0810	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 28.28	1	\$ 28.28	\$ 21.15	1	\$ 21.15	\$ (7.13)	-25.21%
Distribution Volumetric Rate	\$ 0.0021	397	\$ 0.83	\$ 0.0016	397	\$ 0.64	\$ (0.20)	-23.81%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.0024	397	\$ (0.95)	\$ 0.0024	397	\$ (0.95)	\$ -	0.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 28.16			\$ 20.83	\$ (7.33)	-26.02%
Line Losses on Cost of Power	\$ 0.1101	32	\$ 3.54	\$ 0.1101	32	\$ 3.54	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	397	\$ -	\$ -	397	\$ -	\$ -	
CBR Class B Rate Riders	\$ -	397	\$ -	\$ -	397	\$ -	\$ -	
GA Rate Riders	\$ -	397	\$ -	\$ -	397	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0020	397	\$ 0.79	\$ 0.0020	397	\$ 0.79	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		397	\$ -		397	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 32.50			\$ 25.17	\$ (7.33)	-22.55%
RTSR - Network	\$ 0.0052	429	\$ 2.23	\$ 0.0048	429	\$ 2.06	\$ (0.17)	-7.69%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0034	429	\$ 1.46	\$ 0.0033	429	\$ 1.42	\$ (0.04)	-2.94%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 36.19			\$ 28.64	\$ (7.54)	-20.85%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	429	\$ 1.54	\$ 0.0036	429	\$ 1.54	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	429	\$ 0.13	\$ 0.0003	429	\$ 0.13	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	397	\$ 43.71	\$ 0.1101	397	\$ 43.71	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 81.82			\$ 74.28	\$ (7.54)	-9.22%
HST	13%		\$ 10.64	13%		\$ 9.66	\$ (0.98)	-9.22%
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 92.46			\$ 83.93	\$ (8.52)	-9.22%

Customer Class:	<b>STREET LIGHTING SERVICE CLASSIFICATION</b>	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	93,640	kWh
Demand	260	kW
Current Loss Factor	1.0810	
Proposed/Approved Loss Factor	1.0810	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 1.98	1195	\$ 2,366.10	\$ 1.99	1195	\$ 2,378.05	\$ 11.95	0.51%
Distribution Volumetric Rate	\$ 4.1649	260	\$ 1,082.87	\$ 4.1961	260	\$ 1,090.99	\$ 8.11	0.75%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.8532	260	\$ (221.83)	\$ 0.8532	260	\$ (221.83)	\$ -	0.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 3,227.14			\$ 3,247.20	\$ 20.06	0.62%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate	\$ -	260	\$ -	\$ -	260	\$ -	\$ -	
Riders	\$ -	260	\$ -	\$ -	260	\$ -	\$ -	
CBR Class B Rate Riders	\$ -	260	\$ -	\$ -	260	\$ -	\$ -	
GA Rate Riders	\$ -	93,640	\$ -	\$ -	93,640	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.5865	260	\$ 152.49	\$ 0.5865	260	\$ 152.49	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	260	\$ -	\$ -	260	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 3,379.63			\$ 3,399.69	\$ 20.06	0.59%
RTSR - Network	\$ 1.5958	260	\$ 414.91	\$ 1.4775	260	\$ 384.15	\$ (30.76)	-7.41%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.0007	260	\$ 260.18	\$ 0.9624	260	\$ 250.22	\$ (9.96)	-3.83%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 4,054.72			\$ 4,034.07	\$ (20.65)	-0.51%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	101,225	\$ 364.41	\$ 0.0036	101,225	\$ 364.41	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	101,225	\$ 30.37	\$ 0.0003	101,225	\$ 30.37	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	101,225	\$ 11,144.85	\$ 0.1101	101,225	\$ 11,144.85	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 15,594.60			\$ 15,573.95	\$ (20.65)	-0.13%
HST	13%		\$ 2,027.30	13%		\$ 2,024.61	\$ (2.69)	-0.13%
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 17,621.90			\$ 17,598.56	\$ (23.34)	-0.13%

Customer Class:	<b>RESIDENTIAL SERVICE CLASSIFICATION</b>	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0810	
Proposed/Approved Loss Factor	1.0810	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 19.95	1	\$ 19.95	\$ 22.66	1	\$ 22.66	\$ 2.71	13.58%
Distribution Volumetric Rate	\$ 0.0078	750	\$ 5.85	\$ 0.0039	750	\$ 2.93	\$ (2.93)	-50.00%
Fixed Rate Riders	\$ 0.04	1	\$ 0.04	\$ 0.04	1	\$ 0.04	\$ -	0.00%
Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	0.00%
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 25.84</b>			<b>\$ 25.63</b>	<b>\$ (0.21)</b>	<b>-0.83%</b>
Line Losses on Cost of Power	\$ 0.1101	61	\$ 6.69	\$ 0.1101	61	\$ 6.69	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	0.00%
CBR Class B Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	0.00%
GA Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	0.00%
Low Voltage Service Charge	\$ 0.0022	750	\$ 1.65	\$ 0.0022	750	\$ 1.65	\$ -	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	\$ -	\$ -	0.00%
Additional Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 34.75</b>			<b>\$ 34.53</b>	<b>\$ (0.21)</b>	<b>-0.62%</b>
RTSR - Network	\$ 0.0057	811	\$ 4.62	\$ 0.0053	811	\$ 4.30	\$ (0.32)	-7.02%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0037	811	\$ 3.00	\$ 0.0036	811	\$ 2.92	\$ (0.08)	-2.70%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 42.37</b>			<b>\$ 41.75</b>	<b>\$ (0.62)</b>	<b>-1.46%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	811	\$ 2.92	\$ 0.0036	811	\$ 2.92	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	811	\$ 0.24	\$ 0.0003	811	\$ 0.24	\$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1101	750	\$ 82.58	\$ 0.1101	750	\$ 82.58	\$ -	0.00%
<b>Total Bill on Non-RPP Avg. Price</b>			<b>\$ 128.11</b>			<b>\$ 127.49</b>	<b>\$ (0.62)</b>	<b>-0.48%</b>
HST		13%	\$ 16.65		13%	\$ 16.57	\$ (0.08)	-0.48%
8% Rebate		8%			8%			
<b>Total Bill on Non-RPP Avg. Price</b>			<b>\$ 144.76</b>			<b>\$ 144.06</b>	<b>\$ (0.70)</b>	<b>-0.48%</b>

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	284	kWh	
Demand	-	kW	
Current Loss Factor	1.0810		
Proposed/Approved Loss Factor	1.0810		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 19.95	1	\$ 19.95	\$ 22.66	1	\$ 22.66	\$ 2.71	13.58%
Distribution Volumetric Rate	\$ 0.0078	284	\$ 2.22	\$ 0.0039	284	\$ 1.11	\$ (1.11)	-50.00%
Fixed Rate Riders	\$ 0.04	1	\$ 0.04	\$ 0.04	1	\$ 0.04	\$ -	0.00%
Volumetric Rate Riders	\$ -	284	\$ -	\$ -	284	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 22.21</b>			<b>\$ 23.81</b>	<b>\$ 1.60</b>	<b>7.22%</b>
Line Losses on Cost of Power	\$ 0.0820	23	\$ 1.89	\$ 0.0820	23	\$ 1.89	\$ -	0.00%
Total Deferral/Variance Account Rate	\$ -	284	\$ -	\$ -	284	\$ -	\$ -	
Riders	\$ -	284	\$ -	\$ -	284	\$ -	\$ -	
CBR Class B Rate Riders	\$ -	284	\$ -	\$ -	284	\$ -	\$ -	
GA Rate Riders	\$ -	284	\$ -	\$ -	284	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0022	284	\$ 0.62	\$ 0.0022	284	\$ 0.62	\$ -	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		284	\$ -	\$ -	284	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 25.29</b>			<b>\$ 26.89</b>	<b>\$ 1.60</b>	<b>6.34%</b>
RTSR - Network	\$ 0.0057	307	\$ 1.75	\$ 0.0053	307	\$ 1.63	\$ (0.12)	-7.02%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0037	307	\$ 1.14	\$ 0.0036	307	\$ 1.11	\$ (0.03)	-2.70%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 28.17</b>			<b>\$ 29.62</b>	<b>\$ 1.45</b>	<b>5.14%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	307	\$ 1.11	\$ 0.0036	307	\$ 1.11	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	307	\$ 0.09	\$ 0.0003	307	\$ 0.09	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	185	\$ 12.00	\$ 0.0650	185	\$ 12.00	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	48	\$ 4.54	\$ 0.0940	48	\$ 4.54	\$ -	0.00%
TOU - On Peak	\$ 0.1320	51	\$ 6.75	\$ 0.1320	51	\$ 6.75	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 52.90</b>			<b>\$ 54.35</b>	<b>\$ 1.45</b>	<b>2.74%</b>
HST	13%		\$ 6.88	13%		\$ 7.07	\$ 0.19	2.74%
8% Rebate	8%		\$ (4.23)	8%		\$ (4.35)	\$ (0.12)	
<b>Total Bill on TOU</b>			<b>\$ 55.55</b>			<b>\$ 57.07</b>	<b>\$ 1.52</b>	<b>2.74%</b>

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	284	kWh
Demand	-	kW
Current Loss Factor	1.0810	
Proposed/Approved Loss Factor	1.0810	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 19.95	1	\$ 19.95	\$ 22.66	1	\$ 22.66	\$ 2.71	13.58%
Distribution Volumetric Rate	\$ 0.0078	284	\$ 2.22	\$ 0.0039	284	\$ 1.11	\$ (1.11)	-50.00%
Fixed Rate Riders	\$ 0.04	1	\$ 0.04	\$ 0.04	1	\$ 0.04	\$ -	0.00%
Volumetric Rate Riders	\$ -	284	\$ -	\$ -	284	\$ -	\$ -	0.00%
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 22.21</b>			<b>\$ 23.81</b>	<b>\$ 1.60</b>	<b>7.22%</b>
Line Losses on Cost of Power	\$ 0.1101	23	\$ 2.53	\$ 0.1101	23	\$ 2.53	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	284	\$ -	\$ -	284	\$ -	\$ -	0.00%
CBR Class B Rate Riders	\$ -	284	\$ -	\$ -	284	\$ -	\$ -	0.00%
GA Rate Riders	\$ -	284	\$ -	\$ -	284	\$ -	\$ -	0.00%
Low Voltage Service Charge	\$ 0.0022	284	\$ 0.62	\$ 0.0022	284	\$ 0.62	\$ -	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	\$ -	\$ -	0.00%
Additional Volumetric Rate Riders	\$ -	284	\$ -	\$ -	284	\$ -	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 25.93</b>			<b>\$ 27.54</b>	<b>\$ 1.60</b>	<b>6.18%</b>
RTSR - Network	\$ 0.0057	307	\$ 1.75	\$ 0.0053	307	\$ 1.63	\$ (0.12)	-7.02%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0037	307	\$ 1.14	\$ 0.0036	307	\$ 1.11	\$ (0.03)	-2.70%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 28.82</b>			<b>\$ 30.27</b>	<b>\$ 1.45</b>	<b>5.03%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	307	\$ 1.11	\$ 0.0036	307	\$ 1.11	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	307	\$ 0.09	\$ 0.0003	307	\$ 0.09	\$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1101	284	\$ 31.27	\$ 0.1101	284	\$ 31.27	\$ -	0.00%
<b>Total Bill on Non-RPP Avg. Price</b>			<b>\$ 61.28</b>			<b>\$ 62.73</b>	<b>\$ 1.45</b>	<b>2.36%</b>
HST	13%		\$ 7.97	13%		\$ 8.16	\$ 0.19	2.36%
8% Rebate	8%			8%				
<b>Total Bill on Non-RPP Avg. Price</b>			<b>\$ 69.25</b>			<b>\$ 70.89</b>	<b>\$ 1.64</b>	<b>2.36%</b>

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION		
RPP / Non-RPP:	Non-RPP (Retailer)		
Consumption:	2,000	kWh	
Demand:	-	kW	
Current Loss Factor	1.0810		
Proposed/Approved Loss Factor	1.0810		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 31.48	1	\$ 31.48	\$ 31.72	1	\$ 31.72	\$ 0.24	0.76%
Distribution Volumetric Rate	\$ 0.0154	2000	\$ 30.80	\$ 0.0155	2000	\$ 31.00	\$ 0.20	0.65%
Fixed Rate Riders	\$ 3.40	1	\$ 3.40	\$ 3.40	1	\$ 3.40	\$ -	0.00%
Volumetric Rate Riders	\$ 0.0024	2000	\$ (4.80)	\$ 0.0024	2000	\$ (4.80)	\$ -	0.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 60.88			\$ 61.32	\$ 0.44	0.72%
Line Losses on Cost of Power	\$ 0.1101	162	\$ 17.84	\$ 0.1101	162	\$ 17.84	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
CBR Class B Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
GA Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0020	2,000	\$ 4.00	\$ 0.0020	2,000	\$ 4.00	\$ -	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>			\$ 83.29			\$ 83.73	\$ 0.44	0.53%
RTSR - Network	\$ 0.0052	2,162	\$ 11.24	\$ 0.0048	2,162	\$ 10.38	\$ (0.86)	-7.69%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0034	2,162	\$ 7.35	\$ 0.0033	2,162	\$ 7.13	\$ (0.22)	-2.94%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 101.88			\$ 101.24	\$ (0.64)	-0.63%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,162	\$ 7.78	\$ 0.0036	2,162	\$ 7.78	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	2,162	\$ 0.65	\$ 0.0003	2,162	\$ 0.65	\$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1101	2,000	\$ 220.20	\$ 0.1101	2,000	\$ 220.20	\$ -	0.00%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 330.51			\$ 329.87	\$ (0.64)	-0.19%
HST	13%		\$ 42.97	13%		\$ 42.88	\$ (0.08)	-0.19%
8% Rebate	8%			8%				
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 373.48			\$ 372.75	\$ (0.72)	-0.19%





## **Appendix 4 - 2017 RRWF**



Ontario Energy Board

## Revenue Requirement Workform (RRWF) for 2016 Filers



Version 6.00

Utility Name	Renfrew Hydro Inc.
Service Territory	
Assigned EB Number	EB-2016-0166
Name and Title	Bill Nippard
Phone Number	613.432.4884 ext 224
Email Address	bnippard@renfrewhydro.com

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



Ontario Energy Board

## Revenue Requirement Workform (RRWF) for 2016 Filers

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[10. Tracking Sheet](#)

Notes:

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2016 Filers

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

	Initial Application	(2) Adjustments	Technical Conference	(6) Adjustments	Settlement Agreement
<b>1 Rate Base</b>					
Gross Fixed Assets (average)	\$15,495,709	(\$221,858)	\$ 15,273,851	(\$39,000)	\$15,174,851
Accumulated Depreciation (average)	(\$9,556,595)	\$45,502	(\$9,511,093)	\$1,329	(\$9,509,764)
Allowance for Working Capital:					
Controllable Expenses	\$1,549,280	\$4,000	\$ 1,553,280	(\$80,000)	\$1,473,280
Cost of Power	\$11,715,807	\$412,370	\$ 12,128,178	(\$5,610)	\$12,122,567
Working Capital Rate (%)	7.50%	(3)	7.50%	(3)	7.50%
<b>2 Utility Income</b>					
Operating Revenues:					
Distribution Revenue at Current Rates	\$1,858,210	\$31,411	\$1,889,621	\$1,817	\$1,891,438
Distribution Revenue at Proposed Rates	\$2,148,384	(\$51,689)	\$2,096,695	(\$33,257)	\$2,003,438
Other Revenue:					
Specific Service Charges	\$18,500	\$0	\$18,500	\$0	\$18,500
Late Payment Charges	\$20,000	\$0	\$20,000	\$0	\$20,000
Other Distribution Revenue	\$56,350	\$0	\$56,350	\$0	\$56,350
Other Income and Deductions	\$12,700	\$0	\$12,700	\$5,455	\$18,155
Total Revenue Offsets	\$107,550	(7)	\$107,550	\$5,455	\$113,005
Operating Expenses:					
OM+A Expenses	\$1,549,280	\$4,000	\$ 1,553,280	(\$80,000)	\$1,473,280
Depreciation/Amortization	\$247,981	(\$2,172)	\$ 245,809	(\$2,657)	\$243,152
Property taxes					
Other expenses					
<b>3 Taxes/PiLs</b>					
Taxable Income:					
Adjustments required to arrive at taxable income	(\$124,293)	(3)	(\$122,112)		(\$114,192)
Utility Income Taxes and Rates:					
Income taxes (not grossed up)	\$19,530		\$17,447		\$18,087
Income taxes (grossed up)	\$23,047		\$20,526		\$21,278
Federal tax (%)	10.50%		10.50%		10.50%
Provincial tax (%)	4.50%		4.50%		4.50%
Income Tax Credits					
<b>4 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%
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 (%)	4.54%		3.72%		3.72%
Short-term debt Cost Rate (%)	1.65%		1.76%		1.76%
Common Equity Cost Rate (%)	9.19%		8.78%		8.78%
Preferred Shares Cost Rate (%)					



Ontario Energy Board

## Revenue Requirement Workform (RRWF) for 2016 Filers

### Rate Base and Working Capital

Line No.	Particulars		Initial Application	Adjustments	Technical Conference	Adjustments	Settlement Agreement
1	Gross Fixed Assets (average) (3)		\$15,495,709	(\$221,858)	\$15,273,851	(\$99,000)	\$15,174,851
2	Accumulated Depreciation (average) (3)		(\$9,556,595)	\$45,502	(\$9,511,093)	\$1,329	(\$9,509,764)
3	Net Fixed Assets (average) (3)		\$5,939,114	(\$176,356)	\$5,762,757	(\$97,671)	\$5,665,086
4	Allowance for Working Capital (1)		\$994,882	\$31,228	\$1,026,109	(\$6,421)	\$1,019,689
5	<b>Total Rate Base</b>		<b>\$6,933,995</b>	<b>(\$145,129)</b>	<b>\$6,788,867</b>	<b>(\$104,092)</b>	<b>\$6,684,775</b>

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

6	Controllable Expenses		\$1,549,280	\$4,000	\$1,553,280	(\$80,000)	\$1,473,280
7	Cost of Power		\$11,715,807	\$412,370	\$12,128,178	(\$5,610)	\$12,122,567
8	Working Capital Base		\$13,265,087	\$416,370	\$13,681,458	(\$85,610)	\$13,595,847
9	Working Capital Rate % (2)	7.50%		0.00%	7.50%	0.00%	7.50%
10	Working Capital Allowance		\$994,882	\$31,228	\$1,026,109	(\$6,421)	\$1,019,689

#### Notes

- (2) Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2016 cost of service applications is 7.5%, per the letter issued by the Board on June 3, 2015. Alternatively, a utility could conduct and file its own lead-lag study.
- (3) Average of opening and closing balances for the year.





Ontario Energy Board

## Revenue Requirement Workform (RRWF) for 2016 Filers

### Utility Income

Line No.	Particulars	Initial Application	Adjustments	Technical Conference	Adjustments	Settlement Agreement
	<b>Operating Revenues:</b>					
1	Distribution Revenue (at Proposed Rates)	\$2,148,384	(\$51,689)	\$2,096,695	(\$93,257)	\$2,003,438
2	Other Revenue (1)	\$107,550	\$ -	\$107,550	\$5,455	\$113,005
3	Total Operating Revenues	\$2,255,934	(\$51,689)	\$2,204,245	(\$87,802)	\$2,116,443
	<b>Operating Expenses:</b>					
4	OM+A Expenses	\$1,549,280	\$4,000	\$1,553,280	(\$80,000)	\$1,473,280
5	Depreciation/Amortization	\$247,981	(\$2,172)	\$245,809	(\$2,657)	\$243,152
6	Property taxes	\$ -	\$ -	\$ -	\$ -	\$ -
7	Capital taxes	\$ -	\$ -	\$ -	\$ -	\$ -
8	Other expense	\$ -	\$ -	\$ -	\$ -	\$ -
9	Subtotal (lines 4 to 8)	\$1,797,261	\$1,828	\$1,799,089	(\$82,657)	\$1,716,432
10	Deemed Interest Expense	\$180,866	(\$34,861)	\$146,205	(\$2,242)	\$143,963
11	Total Expenses (lines 9 to 10)	\$1,978,127	(\$32,833)	\$1,945,294	(\$84,899)	\$1,860,395
12	Utility income before income taxes	\$277,806	(\$18,856)	\$258,951	(\$2,903)	\$256,048
13	Income taxes (grossed-up)	\$23,047	(\$2,521)	\$20,526	\$753	\$21,278
14	Utility net income	\$254,759	(\$16,334)	\$238,425	(\$3,656)	\$234,769

### Notes

#### Other Revenues / Revenue Offsets

(1)	Specific Service Charges	\$18,500	\$ -	\$18,500	\$ -	\$18,500
	Late Payment Charges	\$20,000	\$ -	\$20,000	\$ -	\$20,000
	Other Distribution Revenue	\$56,350	\$ -	\$56,350	\$ -	\$56,350
	Other Income and Deductions	\$12,700	\$ -	\$12,700	\$5,455	\$18,155
	Total Revenue Offsets	\$107,550	\$ -	\$107,550	\$5,455	\$113,005



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2016 Filers

## Taxes/PILs

Line No.	Particulars	Application	Technical Conference	Settlement Agreement
<u>Determination of Taxable Income</u>				
1	Utility net income before taxes	\$254,894	\$238,425	\$234,769
2	Adjustments required to arrive at taxable utility income	(\$124,293)	(\$122,112)	(\$114,192)
3	Taxable income	<u>\$130,600</u>	<u>\$116,313</u>	<u>\$120,577</u>
<u>Calculation of Utility income Taxes</u>				
4	Income taxes	<u>\$19,590</u>	<u>\$17,447</u>	<u>\$18,087</u>
6	Total taxes	<u>\$19,590</u>	<u>\$17,447</u>	<u>\$18,087</u>
7	Gross-up of Income Taxes	<u>\$3,457</u>	<u>\$3,079</u>	<u>\$3,192</u>
8	Grossed-up Income Taxes	<u>\$23,047</u>	<u>\$20,526</u>	<u>\$21,278</u>
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	<u>\$23,047</u>	<u>\$20,526</u>	<u>\$21,278</u>
10	Other tax Credits	\$ -	\$ -	\$ -
<u>Tax Rates</u>				
11	Federal tax (%)	10.50%	10.50%	10.50%
12	Provincial tax (%)	4.50%	4.50%	4.50%
13	Total tax rate (%)	<u>15.00%</u>	<u>15.00%</u>	<u>15.00%</u>



Ontario Energy Board

# Revenue Requirement Workfor (RRWF) for 2016 Filers

## Capitalization/Cost of Capital

Line	Particulars	Capitalization Ratio		Cost Rate	Return
		Initial Application			
		(%)	(\$)	(%)	(\$)
	<b>Debt</b>				
1	Long-term Debt	56.00%	\$3,883,037	4.54%	\$176,290
2	Short-term Debt	4.00%	\$277,360	1.65%	\$4,576
3	<b>Total Debt</b>	60.00%	\$4,160,397	4.35%	\$180,866
	<b>Equity</b>				
4	Common Equity	40.00%	\$2,773,598	9.19%	\$254,894
5	Preferred Shares	0.00%	\$-	0.00%	\$-
6	<b>Total Equity</b>	40.00%	\$2,773,598	9.19%	\$254,894
7	<b>Total</b>	100.00%	\$6,933,995	6.28%	\$435,760
		Technical Conference			
		(%)	(\$)	(%)	(\$)
	<b>Debt</b>				
1	Long-term Debt	56.00%	\$3,801,765	3.72%	\$141,426
2	Short-term Debt	4.00%	\$271,555	1.76%	\$4,779
3	<b>Total Debt</b>	60.00%	\$4,073,320	3.59%	\$146,205
	<b>Equity</b>				
4	Common Equity	40.00%	\$2,715,547	8.78%	\$238,425
5	Preferred Shares	0.00%	\$-	0.00%	\$-
6	<b>Total Equity</b>	40.00%	\$2,715,547	8.78%	\$238,425
7	<b>Total</b>	100.00%	\$6,788,867	5.67%	\$384,630
		Per Board Decision			
		(%)	(\$)	(%)	(\$)
	<b>Debt</b>				
8	Long-term Debt	56.00%	\$3,743,474	3.72%	\$139,257
9	Short-term Debt	4.00%	\$267,391	1.76%	\$4,706
10	<b>Total Debt</b>	60.00%	\$4,010,865	3.59%	\$143,963
	<b>Equity</b>				
11	Common Equity	40.00%	\$2,673,910	8.78%	\$234,769
12	Preferred Shares	0.00%	\$-	0.00%	\$-
13	<b>Total Equity</b>	40.00%	\$2,673,910	8.78%	\$234,769
14	<b>Total</b>	100.00%	\$6,684,775	5.67%	\$378,733





Ontario Energy Board

## Revenue Requirement Workform (RRWF) for 2016 Filers

### Revenue Deficiency/Sufficiency

Line No.	Particulars	Initial Application		Technical Conference		Settlement Agreement	
		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		\$290,308		\$207,074		\$112,000
2	Distribution Revenue	\$1,858,210	\$1,858,076	\$1,889,621	\$1,889,621	\$1,891,438	\$1,891,438
3	Other Operating Revenue Offsets - net	\$107,550	\$107,550	\$107,550	\$107,550	\$113,005	\$113,005
4	<b>Total Revenue</b>	<b>\$1,965,760</b>	<b>\$2,255,934</b>	<b>\$1,997,171</b>	<b>\$2,204,245</b>	<b>\$2,004,443</b>	<b>\$2,116,443</b>
5	Operating Expenses	\$1,797,261	\$1,797,261	\$1,799,089	\$1,799,089	\$1,716,432	\$1,716,432
6	Deemed Interest Expense	\$180,866	\$180,866	\$146,205	\$146,205	\$143,963	\$143,963
8	<b>Total Cost and Expenses</b>	<b>\$1,978,127</b>	<b>\$1,978,127</b>	<b>\$1,945,294</b>	<b>\$1,945,294</b>	<b>\$1,860,395</b>	<b>\$1,860,395</b>
9	<b>Utility Income Before Income Taxes</b>	<b>(\$12,367)</b>	<b>\$277,806</b>	<b>\$51,877</b>	<b>\$258,951</b>	<b>\$144,048</b>	<b>\$256,048</b>
10	Tax Adjustments to Accounting Income	(\$124,293)	(\$124,293)	(\$122,112)	(\$122,112)	(\$114,192)	(\$114,192)
11	<b>Taxable Income</b>	<b>(\$136,660)</b>	<b>\$153,513</b>	<b>(\$70,235)</b>	<b>\$136,838</b>	<b>\$29,855</b>	<b>\$141,855</b>
12	Income Tax Rate	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%
13	<b>Income Tax on Taxable Income</b>	<b>(\$20,499)</b>	<b>\$23,027</b>	<b>(\$10,535)</b>	<b>\$20,526</b>	<b>\$4,478</b>	<b>\$21,278</b>
14	<b>Income Tax Credits</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>
15	<b>Utility Net Income</b>	<b>\$8,132</b>	<b>\$254,759</b>	<b>\$62,412</b>	<b>\$238,425</b>	<b>\$139,570</b>	<b>\$234,769</b>
16	<b>Utility Rate Base</b>	<b>\$6,933,995</b>	<b>\$6,933,995</b>	<b>\$6,788,867</b>	<b>\$6,788,867</b>	<b>\$6,684,775</b>	<b>\$6,684,775</b>
17	Deemed Equity Portion of Rate Base	\$2,773,598	\$2,773,598	\$2,715,547	\$2,715,547	\$2,673,910	\$2,673,910
18	Income/(Equity Portion of Rate Base)	0.29%	9.19%	2.30%	8.78%	5.22%	8.78%
19	Target Return - Equity on Rate Base	9.19%	9.19%	8.78%	8.78%	8.78%	8.78%
20	Deficiency/Sufficiency in Return on Equity	-8.90%	0.00%	-6.48%	0.00%	-3.56%	0.00%
21	Indicated Rate of Return	2.73%	6.28%	3.07%	5.67%	4.24%	5.67%
22	Requested Rate of Return on Rate Base	6.28%	6.28%	5.67%	5.67%	5.67%	5.67%
23	Deficiency/Sufficiency in Rate of Return	-3.56%	0.00%	-2.59%	0.00%	-1.42%	0.00%
24	Target Return on Equity	\$254,894	\$254,894	\$238,425	\$238,425	\$234,769	\$234,769
25	Revenue Deficiency/(Sufficiency)	\$246,762	(\$134)	\$176,013	\$-	\$95,200	\$-
26	<b>Gross Revenue Deficiency/(Sufficiency)</b>	<b>\$290,308 (1)</b>		<b>\$207,074 (1)</b>		<b>\$112,000 (1)</b>	



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2016 Filers

## Revenue Requirement

Line No.	Particulars	Application	Technical Conference	Settlement Agreement
1	OM&A Expenses	\$1,549,280	\$1,553,280	\$1,473,280
2	Amortization/Depreciation	\$247,981	\$245,809	\$243,152
3	Property Taxes	\$ -		
5	Income Taxes (Grossed up)	\$23,047	\$20,526	\$21,278
6	Other Expenses	\$ -		
7	Return			
	Deemed Interest Expense	\$180,866	\$146,205	\$143,963
	Return on Deemed Equity	\$254,894	\$238,425	\$234,769
8	<b>Service Revenue Requirement (before Revenues)</b>	<u>\$2,256,068</u>	<u>\$2,204,245</u>	<u>\$2,116,443</u>
9	Revenue Offsets	\$107,550	\$107,550	\$113,005
10	<b>Base Revenue Requirement (excluding Transformer Owership Allowance credit)</b>	<u>\$2,148,518</u>	<u>\$2,096,695</u>	<u>\$2,003,438</u>
11	Distribution revenue	\$2,148,384	\$2,096,695	\$2,003,438
12	Other revenue	\$107,550	\$107,550	\$113,005
13	<b>Total revenue</b>	<u>\$2,255,934</u>	<u>\$2,204,245</u>	<u>\$2,116,443</u>
14	<b>Difference (Total Revenue Less Distribution Revenue Requirement before</b>	<u>(\$134)</u>	<u>\$ -</u>	<u>\$ -</u>

### Notes

(1) Line 11 - Line 8



## **Appendix 5: GA Analysis Work Form**

## GA Analysis Workform

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

Year		2016		
Total Metered excluding WMP	C = A+B	85,946,976	kWh	100%
RPP	A	41,161,876	kWh	47.9%
Non RPP	B = D+E	44,785,100	kWh	52.1%
Non-RPP Class A	D		kWh	0.0%
Non-RPP Class B*	E	44,785,100	kWh	52.1%

\*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 GA Rate used for unbilled revenue is the same as the one used for billed revenue in any particular month

Note 4 **Analysis of Expected GA Amount**

Year	2016								
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed (\$/kWh)	\$ Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)
	F	G	H	I = F-G+H	J	K = I*J	L	M = PL	=M-K
January	3,844,252	3,844,252	4,218,190	4,218,190	0.08423	\$ 355,298	0.09179	\$ 387,188	\$ 31,890
February	4,218,190	4,218,190	4,022,008	4,022,008	0.10384	\$ 417,645	0.09851	\$ 396,208	\$ 21,437
March	4,022,008	4,022,008	4,091,521	4,091,521	0.09022	\$ 369,137	0.10610	\$ 434,110	\$ 64,973
April	4,091,521	4,091,521	3,704,788	3,704,788	0.12115	\$ 448,835	0.11132	\$ 412,417	\$ 36,418
May	3,704,788	3,704,788	3,897,548	3,897,548	0.10405	\$ 405,540	0.10749	\$ 418,947	\$ 13,408
June	3,897,548	3,897,548	4,276,838	4,276,838	0.11650	\$ 498,252	0.09545	\$ 408,224	\$ 90,027
July	4,276,838	4,276,838	4,431,669	4,431,669	0.07657	\$ 339,776	0.08306	\$ 368,094	\$ 28,318
August	4,431,669	4,431,669	4,247,091	4,247,091	0.08569	\$ 363,933	0.07103	\$ 301,671	\$ 62,262
September	4,247,091	4,247,091	3,951,010	3,951,010	0.07080	\$ 278,941	0.09531	\$ 376,571	\$ 97,629
October	3,951,010	3,951,010	3,867,756	3,867,756	0.09720	\$ 375,946	0.11226	\$ 434,194	\$ 58,248
November	3,867,756	3,867,756	3,954,140	3,954,140	0.12271	\$ 485,213	0.11109	\$ 439,285	\$ 45,947
December	3,954,140	3,954,140	3,967,759	3,967,759	0.10594	\$ 420,344	0.08708	\$ 345,512	\$ 74,832
<b>Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)</b>	<b>48,506,811</b>	<b>48,506,811</b>	<b>48,630,318</b>	<b>48,630,318</b>		<b>\$ 4,758,860</b>		<b>\$ 4,722,403</b>	<b>\$ 36,468</b>

Calculated Loss Factor

1.0859

Note 5 **Reconciling Items**

	Item	Amount	Explanation
	<b>Net Change in Principal Balance in the GL (i.e. Transactions in the Year)</b>	<b>-\$ 36,698</b>	
1a	True-up of GA Charges based on Actual Non-RPP Volumes - prior year		
1b	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	<b>Adjusted Net Change in Principal Balance in the GL</b>	-\$	36,698
	<b>Net Change in Expected GA Balance in the Year Per Analysis</b>	-\$	36,458
	<b>Unresolved Difference</b>	-\$	240
	<b>Unresolved Difference as % of Expected GA Payments to IESO</b>		0.0%

## 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	85,164,725	kWh	100%
RPP	A	40,532,948	kWh	47.6%
Non RPP	B = D+E	44,631,777	kWh	52.4%
Non-RPP Class A	D	6,097,514	kWh	7.2%
Non-RPP Class B*	E	38,534,263	kWh	45.2%

\*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 GA Rate used for unbilled revenue is the same as the one used for billed revenue in any particular month

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	3,967,759	3,967,759	4,229,635	4,229,635	0.06687	\$ 282,836	0.08227	\$ 347,972	\$ 65,136
February	4,229,635	4,229,635	3,826,457	3,826,457	0.10559	\$ 404,036	0.08639	\$ 330,568	\$ 73,468
March	3,826,457	3,826,457	4,423,949	4,423,949	0.08409	\$ 372,010	0.07135	\$ 315,649	\$ 56,361
April	4,423,949	4,423,949	3,662,473	3,662,473	0.06874	\$ 251,758	0.10778	\$ 394,741	\$ 142,983
May	3,662,473	3,662,473	3,913,895	3,913,895	0.10623	\$ 415,773	0.12307	\$ 481,683	\$ 65,910
June	3,913,895	3,913,895	4,095,750	4,095,750	0.11954	\$ 489,606	0.11848	\$ 485,264	\$ 4,341
July	4,095,750	4,095,750	3,399,234	3,399,234	0.10652	\$ 362,086	0.11280	\$ 383,434	\$ 21,347
August	3,399,234	3,399,234	3,056,930	3,056,930	0.11500	\$ 351,547	0.10109	\$ 309,025	\$ 42,522
September	3,056,930	3,056,930	2,968,988	2,968,988	0.12739	\$ 378,219	0.08864	\$ 263,171	\$ 115,048
October	2,968,988	2,968,988	2,937,199	2,937,199	0.10212	\$ 299,947	0.12563	\$ 369,000	\$ 69,054
November	2,937,199	2,937,199	3,040,927	3,040,927	0.11164	\$ 339,489	0.09704	\$ 295,092	\$ 44,398
December	3,040,927	3,040,927	3,115,339	3,115,339	0.08391	\$ 261,408	0.09207	\$ 286,829	\$ 25,421
<b>Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)</b>	<b>43,523,196</b>	<b>43,523,196</b>	<b>42,670,776</b>	<b>42,670,776</b>		<b>\$ 4,208,715</b>		<b>\$ 4,262,428</b>	<b>\$ 53,713</b>

Calculated Loss Factor

1.1073

Note 5 **Reconciling Items**

	Item	Amount	Explanation
	<b>Net Change in Principal Balance in the GL (i.e. Transactions in the Year)</b>	<b>\$ 40,670</b>	
1a	True-up of GA Charges based on Actual Non-RPP Volumes - prior year		
1b	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	<b>Adjusted Net Change in Principal Balance in the GL</b>	<b>\$ 40,670</b>
	<b>Net Change in Expected GA Balance in the Year Per Analysis</b>	<b>\$ 53,713</b>
	<b>Unresolved Difference</b>	<b>-\$ 13,043</b>
	<b>Unresolved Difference as % of Expected GA Payments to IESO</b>	<b>-0.3%</b>