



EXHIBIT 8 – RATE DESIGN

2020 Cost of Service

Alogma Power Inc.
EB-2019-0019

8.1 TABLE OF CONTENTS

1	8.1 Table of Contents	1
2	8.2 Distribution Rate Design	4
3	8.2.1 – Introduction	4
4	8.2.2 – Regulatory Regime – Rural and Remote Rate	
5	Protection (RRRP)	4
6	8.2.3 – Regulatory Regime – Fair Hydro Act	7
7	8.2.4 – Distribution Rate-Setting Policies by Rate Class	9
8	8.2.5 – Historical Distribution Rate Design	11
9	8.2.6 – 2020 Proposed Rate Design	14
10	8.2.7 – Residential Rate Design Policy	18
11	8.2.8 – Comparison of Fixed and Variable Charges	
12	under Current and Proposed Rates	18
13	8.3 Non-Distribution Rates	20
14	8.3.1 – Retail Transmission Service Rates (“RTSR”)	20
15	8.3.2 – Retail Service Charges	22
16	8.3.3 – Wholesale Market Service Rate	24
17	8.3.4 – Rural or Remote Rate Protection	24
18	8.3.5 – Standard Supply Service Charge	25
19	8.3.6 – Specific Service Charges	25
20	8.3.7 – Wireline Pole Attachment Charge	27
21	8.3.8 – Low Voltage Service Rates	27
22	8.3.9 – Smart Metering Entity Charge	27

1	8.3.10 – Loss Adjustment Factors.....	27
2	8.3.11 – Tariff of Rates and Charges	31
3	8.3.12 – Revenue Reconciliation.....	31
4	8.3.13 – Bill Impact Information.....	33
5	8.3.14 – Rate Mitigation.....	36
6	Appendices	37

Table of Figures

1	Table 1 – Applicability of Rate-Setting Policies	11
2	Table 2 – Previously Approved Ratios (2015-2019)	13
3	Table 3 – 2019 Rates for 2020 Cost Allocation	13
4	Table 4 – Distribution Rate Summary.....	17
5	Table 5 - Minimum and Maximum Fixed Charge as per the Cost Allocation Model.....	19
6	Table 6 - Current and Proposed F/V Split.....	19
7	Table 7 - Existing vs Proposed RTSR Rates	21
8	Table 8 – 2020 Forecasted Wholesale Costs (Sheet 8 of RTSR Model)	21
9	Table 9 – 2020 Forecasted RTSR Revenue.....	22
10	Table 10 – Retail Service Charges, Effective May 1, 2019	23
11	Table 11 – OEB Appendix 2-R Calculation of Proposed Loss Factor	30
12	Table 12 – Comparison of Existing and Proposed Loss Factors.....	30
13	Table 13 – Revenue Reconciliation.....	32
14	Table 14 – Bill Impact Analysis (Table 2 of OEB Model)	34
15	Table 15 – Additional Bill Impact Analysis	34
16	Table 16 – Sub-Total A – Additional Detail	35

8.2 DISTRIBUTION RATE DESIGN

8.2.1 – INTRODUCTION

As a result of regulations made under the *Ontario Energy Board Act* (the “Act”), API must take a unique approach to revenue recovery. The regulations affect the recovery of revenue through the provision of a payment under the Rural and Remote Rate Protection regime (“RRRP”). The setting of rates is affected by the reclassification of some customers to the Residential rate class.

To explain API’s approach to revenue recovery and rates, API describes below the regulatory regime established by the regulations. A brief summary is also provided of additional regulations made under the Act following the enactment of the *Fair Hydro Act, 2017*, that provide additional rate relief to a small subset of distributors including API.

8.2.2 – REGULATORY REGIME – RURAL AND REMOTE RATE PROTECTION (RRRP)

The regulations made under the OEB Act result in the reclassification of some of API’s customers and provide a mechanism to establish an annual payment of funds to API under the RRRP regulation.

Reclassification

Ontario Regulation 445/07 made in respect of Section 78 of the *OEB Act* (the “Reclassification Regulation”) provides as follows:

“1. (1) For the purposes of fixing just and reasonable rates under section 78 of the Act, the Board shall ensure that a consumer who falls into one of the following categories shall be treated as residential-rate class consumer if the criteria in subsection (2) are satisfied:

1. A Consumer who is charged by the distributor as a general service, less than 50 kilowatt demand rate-class customer.

2. A consumer who is charged by the distributor for distribution of electricity as having a demand of greater than 50 kilowatt rate-class customer.

(2) A consumer who falls into one of the categories set out in subsection (1) shall be treated as residential-rate class consumer, if,

(a) the distributor that serves the consumer is licensed to serve in an area of not less than 10,000 square kilometres in size; and

(b) the average customer density for the distributor is less than seven customers per kilometre of distribution line.

(3) The rate classifications to ensure that consumers that fall into a category set out in subsection (1) are treated as residential-rate class consumers if the criteria in subsection (2) are satisfied and take effect on the date of the distributor's next rate order made on or after August 15, 2007."

API satisfies the criteria in Section 1(2) above. As a result, with the exception of those customers falling into the Seasonal and Street Lighting rate classes, all of API's customers must be treated as residential-rate class customers in accordance with Section 1(1) of the Reclassification Regulation. This reclassification was made effective as a result of the OEB's decision dated October 30, 2008 (EB-2007-0744).

Rural and Remote Rate Protection

For rate setting purposes, the Reclassification Regulation is linked with the Rural and Remote Electricity Rate Protection Regulation (O. Reg 442/01) as amended (the "RRRP Regulation").

RRRP Regulation – Calculation of Available Rate Assistance

The amount of rural rate protection is prescribed in subsection 4(3.1) of the RRRP Regulation.

Subsection 4(3.1) of the RRRP Regulation states:

"4. (3.1) For each year, in respect of the rates for a distributor serving consumers described in paragraph 5 of section 2, the Board shall calculate the amount by which the distributor's forecasted revenue requirement for the year, as approved by the Board, exceeds the distributor's forecasted consumer revenues for the year, as approved by the Board. O. Reg. 335/07, s. 1 (2)."

Simply put, under subsection 4(3.1) the amount by which forecasted revenue requirement exceeds the forecasted consumer revenue is the amount of rate assistance available to be paid to the distributor. The methodology to calculate forecasted consumer revenue is set out in subsection 4(3.2) of the RRRP Regulation. Subsection 4(3.2) provides:

"4. (3.2) For the purpose of subsection (3.1), the distributor's forecasted consumer revenues for a year shall be based on the rate classes and on the rates set out for those classes in the most recent rate order made by the Board and shall be adjusted in line with the average, as calculated by the Board, 1 of any adjustment to rates approved by the Board for other distributors for the same rate year. O. Reg. 335/07, s. 1 (2)."

Under this provision, forecasted consumer revenue for a year is based upon the current rates adjusted for the average increase or decrease in rates approved by the Board for the same rate year. This average adjustment reflects the ratepayers contribution to recovery of any revenue deficiency.

The appropriate method of calculating the average rate adjustments of other distributors in order to calculate the rate increase for the customers of API, and the remaining amount that is payable under RRRP was decided in the Board's Decision and Order, EB-2009-0279, dated November 11, 2010. The annual adjustment is referred to as the RRRP Adjustment factor.

Annual RRRP Payment

Paragraph 5 of Section 2 of the RRRP Regulation sets out the eligibility criteria applicable to API for rural rate protection. This paragraph provides that:

"5. Consumers,

(i) who are treated as residential-rate class consumers under Ontario Regulation 445/07 (Reclassifying Certain Classes of Consumers as Residential-Rate Class Customers: Section 78 of the Act) made under the Act, or

(ii) who occupy residential premises in an area served by a distributor where,

A. the distributor is licensed to serve the consumers,

1 B. the area is not less than 10,000 kilometres in size, and

2 C. the average customer density for the distributor is less than seven
3 customers per kilometre of distribution line.”
4

5 Based on this provision and paragraph 3 of subsection 4(4) of the RRRP Regulation, all of API’s
6 traditional Residential customers, as well as those customers that are required to be treated as
7 Residential under the Reclassification Regulation, are eligible for RRRP. This protection does not
8 currently extend to the Seasonal and Street Lighting rate classes. Paragraph 3 of subsection 4(4)
9 of the RRRP Regulation states as follows:

10 “4(4) 3. The Board shall take reasonable steps to ensure that an amount equal to the
11 amount calculated under subsections (2) and (3.1) for the year is used to provide rate
12 protection to consumers who are in the class described in paragraphs 4 and 5 of section
13 2.”
14

15 Because not all of API’s customers are eligible to receive rate protection through the RRRP
16 payment, the determination of the annual RRRP payment can be summarized as follows:

- 17 1. Determination of the amount of API’s revenue requirement that is allocated to its RRRP-
18 eligible rate classes;
- 19 2. Determination of the forecasted distribution rate revenue from API’s RRRP-eligible rate
20 classes, considering the most recently approved distribution rates adjusted by the RRRP
21 Adjustment factor; and
- 22 3. Calculation of the annual RRRP amount payable to API as the amount by which the
23 revenue requirement identified in Step 1 exceeds the revenue forecasted in Step 2.

24 8.2.3 – REGULATORY REGIME – FAIR HYDRO ACT

25 As a result of the *Fair Hydro Act*, the *OEB Act* was amended to add a new Section 79.3
26 (Distribution rate-protected residential customers), and a new Section 79.4 (Delivery credit for
27 on-reserve customers). Subsequent regulations under the *OEB Act* established Distribution Rate

1 Protection (“DRP”) (O.Reg. 198/17) and the First Nations Delivery Credit (“FNDC”) (O.Reg.
2 197/17). These regulations do not directly affect API’s rate design methodology, however the
3 do ultimately affect the bill impacts presented in Section 8.3.13 below.

4 The DRP regulation requires the OEB to establish a maximum monthly base distribution charge
5 for residential rate class customers of 8 distributors, including API. For clarity, this maximum
6 charge is applicable to traditional residential customers only, and does not apply to customers
7 that are treated as residential for the purpose of the RRRP Regulation. The maximum
8 distribution charge is determined as the lowest of the approved monthly base distribution
9 charges of the 8 distributors named in the DRP Regulation. The calculation of the monthly base
10 distribution charge for each distributor uses the most recent OEB-approved monthly fixed
11 distribution charge, divided by the percentage of monthly residential class revenue recovered
12 through the fixed charge. In other words, the calculation is a proxy for the monthly fixed charge
13 that would be required to recover 100% of the residential class revenue through a fixed charge
14 only. This calculation, as well as the applicability of the maximum charge, excludes any rate
15 riders or rate adders. Since July 1, 2018, the maximum monthly base distribution charge has
16 been set at \$36.86, as a result of the OEB’s decision in EB-2018-0192. As a result of DRP, bill
17 impacts for API’s traditional residential customers (i.e. R1(i) class customers) will be limited to
18 those impacts resulting from changes to rate riders, RTSRs, and the approved loss factor.

19 The FNDC regulation requires distributors to provide a delivery credit to residential on-reserve
20 customers. For API, the amount of the credit is equal to the Delivery line item on the customers
21 bill, which includes all distribution rates, RTSR’s, and the cost of losses. As a result of the FNDC,
22 bill impacts for eligible on-reserve customers will be limited to the impact resulting from
23 changes to the loss factor as it relates the billing of regulatory charges based on loss-adjusted
24 consumption. For a typical residential on-reserve customer consuming 750 kWh per month, this
25 amounts to a bill impact of -\$0.02 per month due to the lower loss factor that API is proposing
26 in this Application.

8.2.4 – DISTRIBUTION RATE-SETTING POLICIES BY RATE CLASS

API has four customer classifications:

i. Residential Service Classification

For the purposes of rates and charges, a residential service is defined in two ways:

i) a dwelling occupied as a residence continuously for at least eight months of the year and, where the residential premises is located on a farm, includes other farm premises associated with the residential electricity meter, and

ii) consumers who are treated as residential-rate class customers under Ontario Regulation 445/07 (Reclassifying Certain Classes of Consumers as Residential-Rate Class Customers: Section 78 of the *Ontario Energy Board Act, 1998*) made under the *Ontario Energy Board Act, 1998*.

RESIDENTIAL – R1

This classification refers to a Residential service with a demand of less than, or is forecast to be less than, 50 kilowatts, and which is billed on an energy basis.

RESIDENTIAL – R2

This classification refers to a Residential service with a demand equal to or greater than, or is forecast to be equal to or greater than, 50 kilowatts, and which is billed on a demand basis.

ii. Seasonal Customer Service Classification

This classification includes all services supplied to single-family dwelling units for domestic purposes, which are occupied on a seasonal/intermittent basis. A service is defined as Seasonal if occupancy is for a period of less than eight months of the year.

iii. Street Lighting Service Classification

This classification refers to an account for roadway lighting. The consumption for these unmetered accounts will be based on the calculated connection load times the calculated hours of use established in the approved OEB street lighting load shape template.

iv. microFIT Generator 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.

On April 2, 2015, the Board issued the Board Policy, *"A New Residential Rate Design for Residential Electricity Customers"*; EB-2012-0410 (the "Residential Rate Design Policy"). Under this policy, electricity distributors are to structure residential rates so that all the costs for distribution service are collected through a fixed monthly charge. In its Decision and Order in API's 2016 IRM application (EB-2015-0051), the OEB determined that this policy would apply to API's traditional residential customers and its Seasonal rate class, but that the policy would not apply to general service customers that are treated as residential for RRRP purposes under the Reclassification Regulation. As such, since 2016, API has split the R1 rate class into two sub-classes for rate design purposes. The subclasses are R1(i) (traditional residential), and R1(ii) (customers with demand < 50 kW that are treated as residential due to the Reclassification Regulation). Table 1 below provides a summary of the applicable rate-setting policies across API's different rate classes:

1

Table 1 – Applicability of Rate-Setting Policies

Rate Class [Description]	Applicable Rate-Setting Policies				
	RRRP Adjustment Factor (O.Reg. 442/01)	COS - Cost Allocation / IRM - Price Cap IR Adjustment Factor	First Nation Delivery Credit (O. Reg. 197/17)	Distribution Rate Protection (O.Reg. 198/17)	Residential Rate Design Transition (EB-2012-0410)
R1(i) [Traditional Residential]	X		X*	X	X
R1(ii) [Deemed Residential (O.Reg. 445/07) - Demand <50 kW]	X				
R2 [Deemed Residential (O.Reg. 445/07) - Demand >50 kW]	X				
Seasonal [Occupancy < 8 months/year]		X			X
Street Lighting		X			
microFIT					

*Note: FNDC is only applicable to eligible on-reserve R1(i) customers

2

3

8.2.5 – HISTORICAL DISTRIBUTION RATE DESIGN

4 API's electricity distribution rates for Residential Service Classification (both Residential R1 and
5 Residential R2) are adjusted in accordance with O. Reg. 442/01. The electricity distribution rates
6 for these classes are adjusted in line with the average of rate adjustments of select rate classes
7 of other distributors in the most recent rate year, as calculated by the Board, referred to as the
8 "RRRP Adjustment Factor". The distribution rates actually charged to API's Residential Service
9 Classification customers are not impacted by API's cost of service, as those rates are set solely
10 on the basis of the RRRP Adjustment Factor. The appropriate method of calculating the average
11 rate adjustments of other distributors in order to calculate the rate increase for the customers of
12 API, and the remaining amount that is payable under RRRP was decided in the Board's Decision
13 and Order, EB-2009-0279, dated November 11, 2010.

14 For purposes of calculating preliminary proposed rates, bill impacts and a 2020 RRRP Payment
15 in this Application, API used the 2019 approved RRRP Adjustment Factor of 2.22% as a

placeholder in this Application. API acknowledges that the Board will determine the actual RRRP Adjustment Factor for 2020 electricity distribution rates in due course.

The electricity distribution rates for the Seasonal Customer Service Classification and the Street Lighting Service Classification are not subject to the RRRP Regulation and have been determined in a manner consistent with the methodology accepted by the Board in EB-2009-0278.

The 2011 Board Approved Rate Design, EB-2009-0278

The use of “equivalent distribution rates” is the basis of electricity distribution rate design for API and is consistent with the rate design methodology accepted by the Board in the matter of EB-2009-0278 and maintained through all subsequent cost of service and IRM applications.

Equivalent distribution rates are those rates that are required to recover API’s revenue requirement in the absence of the RRRP funding and represent the full cost allocation to each customer class. As discussed in Exhibit 7, the use of equivalent rates for the R1 and R2 rate classes in the OEB’s cost allocation model essentially allocates the RRRP funding amount as forecasted revenue to the R1 and R2 rate classes, such that the model will produce appropriate revenue-to-cost ratios for all customer classes. This allows the proposed revenue-to-cost ratios for the non-RRRP eligible classes (Seasonal and Street Lighting) to serve as the starting point for rate design for those classes, consistent with OEB policy.

The 2015 Board Approved Rate Design, EB-2014-0455

The cost allocation study filed in API’s last Cost of Service application (EB-2014-0455) resulted in revenue-to-cost ratios outside of the OEB’s filing guideline ranges for API’s Seasonal and Street Lighting rate classes. In its Decision and Order in EB-2014-0455, the OEB approved a plan to adjust the revenue-to-cost ratio for the Seasonal rate class over the subsequent IRM years such that the ratio would gradually reach the lower end of the OEB’s policy range. Further, the revenue-to-cost ratio for the Street Lighting class was required to be increased in each IRM year

to the point which result in a 10% total bill impact. The OEB-approved revenue-to-cost ratios for the 2015-2019 period are summarized in the following table.

Table 2 – Previously Approved Ratios (2015-2019)

Future Revenue-to-Cost Ratio Design Criteria from EB-2014-0055					
	2015	2016	2017	2018	2019
Residential - R1	110.63%	Beneficiary			
Residential - R2	110.74%	Beneficiary			
Seasonal	60.00%	66.00%	72.00%	78.00%	85.00%
Street Lighting	25.04%	10% Total Bill Impact			

The starting point for 2020 electricity distribution rate design is the fully allocated Board Approved 2015 revenue requirement, reallocated to achieve the 2019 revenue-to-cost ratios shown in Table 2 above, and indexed by the 2015-2019 price-cap adjustment factors applicable to API. The determination of 2019 equivalent distribution rates that are aligned with the 2019 revenue requirement allocations to each customer class, are detailed in Section 7.2.1 of Exhibit 7, and are summarized in the following table.

Table 3 – 2019 Rates for 2020 Cost Allocation

Equivalent / Actual 2019 Distribution Rates for Use in 2020 Cost Allocation										
(Excluding Transformer Ownership Allowance)										
Customer Class	Cust #			F/V Split		Distribution Rates		Revenues		
				Fixed	Var	Monthly Service Charge	Variable Charge	Fixed	Variable	Total Revenue
		kWh	kW							
Residential R1	8496	105,791,701		64.1%	35.9%	102.45	0.0553	10,445,109	5,845,980	16,291,090
Residential R2	50		198,901	12.0%	88.0%	803.26	17.7530	481,955	3,531,094	4,013,049
Seasonal	3138	7,731,414		64.1%	35.9%	54.75	0.1494	2,061,810	1,155,293	3,217,103
Street Lighting	1018	804,705		8.6%	91.4%	2.05	0.3310	25,060	266,340	291,401
Total								13,013,935	10,798,707	23,812,642

For the R1 and R2 classes, the rates in Table 3 are the equivalent rates calculated during API's 2019 IRM application, with the R1 fixed/variable split adjusted to account for the OEB's policy on transition to fixed residential rates, as detailed in Section 7.2.1 of Exhibit 7. For the Seasonal and Street Lighting classes, which are not subject to RRRP funding, the rates in Table 3 are the 2019 rates approved in EB-2018-0017.

API's 2019 tariff of rates and charges, as approved in EB-2018-0017, is included as Appendix B to this Exhibit 8.

8.2.6 – 2020 PROPOSED RATE DESIGN

In this application, API is proposing to maintain the rate design methodology accepted in EB-2009-0278 and maintained through all subsequent cost of service and IRM applications. The 2020 rate design information in Sheet 13 (Rate Design) of the OEB's Revenue Requirement Work Form (the "RRWF") is therefore presented on the basis of equivalent rates for the R1 and R2 rate classes. Additionally, the rates presented on this sheet are prior to the application of the adjustments for transitioning toward fully fixed rates for the R1(i) and Seasonal rate classes that are described in Section 8.2.7 below.

All additional rate design adjustments that are necessary in respect of API's unique rate design methodology are detailed in API's 2020 Electricity Distribution Rate Design Model (the "API Rate Design Model"), which is included as Appendix A to this Exhibit 8. A live Excel version of this model also accompanies the Application. The following summary is provided to assist in understanding the API Rate Design Model and cross-referencing the results to other OEB models:

1. Sheet 1 – "2019 Equivalent Rates" outlines the calculation of 2019 equivalent rates, which are used as inputs in Sheet I6.1 of the OEB's 2020 Cost Allocation Model (the "CA Model"), as summarized in Section 8.2.5 above.

2. Sheet 2 – “RateDesign F,V Split” calculates the proposed 2020 fixed rates and the resulting variable rates (on an equivalent rate basis) required to generally maintain the current fixed/variable ratios calculated in Sheet 1. One exception is the Seasonal customer class, where maintaining the 2019 fixed/variable ratio would have resulted in a decrease to the fixed rate. In consideration of the OEB’s Residential Rate Design Policy, API therefore used the 2019 approved Seasonal fixed rate as a starting point for 2020 rate design. This sheet also provides information on the floor and ceiling amounts for fixed rates, which are further discussed in Section 8.2.8 below. The resulting rates are used as an input to Sheet 3.
3. Sheet 3 – “Revenue at Curr,Prop Rates” projects 2020 distribution revenue by applying the proposed 2020 load forecast to both 2019 approved rates and 2020 proposed rates. These calculations are made as follows:
 - a. The projected 2020 revenue at 2019 rates of \$23,692,323 is equal to cell C18 in Sheet O1 of the CA Model and to cell E25 in Sheet 3 of the RRWF.
 - b. The projected 2020 revenue at 2020 rates of \$25,882,824 corresponds to the proposed 2020 base revenue requirement of \$25,885,176 at cell F28 in Sheet 9 of the RRWF as well as to the distribution revenue at status quo rates calculated at cell C23 in Sheet O1 of the CA Model. The difference of \$2,352 (0.009%) is due to rounding of variable rates to 4 decimal places during the rate design process in Sheet 2 of the API Rate Design Model. This same rounding difference is shown in Sheet 13 of the RRWF.
4. Sheet 4 – “API 2020 RRRP Rate Design” calculates the proposed 2020 distribution rates for the R1(i), R1(ii) and R2 customer classes, based on 2019 approved rates, adjusted by the 2020 placeholder RRRP Adjustment Factor described in Section 8.2.5 above. This sheet also calculates the 2020 projected revenue from each RRRP-eligible customer class, and calculates the RRRP amount required for 2020 in accordance with the steps outlined in Section 8.2.2 above. The starting point of \$22,658,529 for this calculation, being the sum of revenues allocated to the R1 and R2 classes for 2020 is equal to the sum of cells

O28 and O29 in Sheet 13 of the RRWF. The resulting RRRP amount required for 2020 is \$14,917,642.

5. Sheet 5 – “API 2020 Non-RRRP Rate Design” summarizes the fixed/variable ratios and resulting revenues for the Seasonal and Street Lighting rate classes. Since the use of equivalent rates is not required for these classes, the information in this Sheet of the API Rate Design matches the information in Sheet 13 of the RRWF.
6. Sheet 6 – “Rate Design Policy R1(i)” reproduces Sheet 12 of the RRWF to apply the OEB’s Residential Rate Design Policy to API’s R1(i) customer class. The inputs for class revenue requirement and base rates in cells B20, B23 and B24 are equal to the corresponding amounts calculated in Sheet 4 of the API Rate Design Model. As further described in Section 8.2.7 below, API has modified the calculation of the 2020 adjustment to equal a \$4 increase to the fixed rate instead of an equal amount over the remaining transition years. Sheet 12 of the RRWF illustrates that the 2020 adjustment for the R1(i) customer class would be \$3.56 if the transition was instead spread equally across the remaining transition years.
7. Sheet 7 – “Rate Design Policy Seasonal” reproduces Sheet 12 of the RRWF to apply the OEB’s Residential Rate Design Policy to API’s Seasonal customer class. The inputs for class revenue requirement and base rates in cells B20, B23 and B24 are equal to the corresponding amounts calculated in Sheet 13 of the RRWF. As further described in Section 8.2.7 below, API has modified the calculation of the 2020 adjustment to equal a \$4 increase to the fixed rate instead of an equal amount over the remaining transition years.
8. Sheet 8 – “Revenue Reconciliation” provides reconciliation similar to Sheet 13 of the RRWF, with API’s actual proposed 2020 distribution rates and the proposed 2020 RRRP amount in place of the equivalent rates used in the OEB models.
 - a. The total of the base revenue requirement and transformer allowance credit of \$25,972,335 calculated at cell O27 of the API Rate Design Model is equal to the sum of cells Y49 and AO51 in Sheet 13 of the RRWF.

b. The difference of \$2,474 between target and forecasted revenues is due to rounding in the rate design process. Rates are rounded to 2 or 4 decimal places as appropriate, consistent with rates shown on the rate tariff. This amount is not equal to the rounding difference of \$2,352 in Sheet 3 above, since the former is based rounding during the calculation of actual rates, while the latter is based on rounding during the calculation of equivalent rates. Both rounding differences represent a variance of approximately 0.01% between the 2020 base revenue requirement and the forecasted 2020 revenue from rates.

The following table summarizes the proposed 2020 distribution rates, as compared to 2019 approved rates:

Table 4 – Distribution Rate Summary

Rate Class and Charge	Unit	2019 Approved	2020 Proposed
<i>Residential - R1(i)</i>			
Monthly Service Charge	\$	42.23	47.17
Distribution Volumetric	\$/kWh	0.0172	0.0126
<i>Residential - R1(ii)</i>			
Monthly Service Charge	\$	25.64	26.21
Distribution Volumetric	\$/kW	0.0361	0.0369
<i>Residential - R2</i>			
Monthly Service Charge	\$	659.94	674.59
Distribution Volumetric	\$/kW	3.4194	3.4953
<i>Seasonal</i>			
Monthly Service Charge	\$	54.75	58.75
Distribution Volumetric	\$/kWh	0.1494	0.1703
<i>Street Lighting</i>			
Monthly Service Charge	\$	2.05	1.37
Distribution Volumetric	\$/kWh	0.3310	0.3279

8.2.7 – RESIDENTIAL RATE DESIGN POLICY

As discussed above, in its Decision and Order in API's 2016 IRM application (EB-2015-0051), the OEB determined that its Residential Rate Design Policy would apply to API's traditional residential customers (i.e. the R1(i) rate class) and its Seasonal rate class. While the Residential Rate Design Policy set out that the transition to a fully fixed monthly distribution charge should occur over four years, in the EB-2015-0051 decision the OEB determined that a longer transition period was appropriate in light of API's unique circumstances. The OEB approved an eight-year transition period for the R1(i) rate class, and a nine-year period for the Seasonal rate class. Rather than spreading an adjustment equally across all remaining transition years, the OEB approved API's proposal to increase the fixed rate at \$4/year (the maximum annual adjustment as per the policy), and to apply any residual increase in the final year.

Details of the above adjustments are provided in Sheets 6 and 7 of the API Rate Design Model, included as Appendix A to this Exhibit. Bill impacts for all classes, which include the \$4 increase in the fixed rate for R1(i) and Seasonal classes, are presented in Section 8.3.13 of this Exhibit. None of the resulting total bill impacts exceed the OEB's 10% threshold, and API therefore proposes to continue its implementation of the OEB's Residential Rate Design Policy consistent with the \$4 adjustments approved in each of its 2016-2019 IRM applications.

8.2.8 – COMPARISON OF FIXED AND VARIABLE CHARGES UNDER CURRENT AND PROPOSED RATES

Table 5 below shows the Minimum Fixed Rate and Maximum Fixed Rate as calculated by the cost allocation study. Table 6 shows existing fixed rates and fixed to variable splits, as well as proposed rates and fixed to variable splits, prior to the application of the Residential Rate Design Policy for the Seasonal class.

Table 5 - Minimum and Maximum Fixed Charge as per the Cost Allocation Model

Customer Class Name	Cost Allocation - Minimum Fixed Rate			Cost Allocation - Maximum Fixed Rate		
	Rate	Fixed %	Variable %	Rate	Fixed %	Variable %
Residential R1	\$12.33	7.28%	92.72%	\$102.45	60.51%	39.49%
Residential R2	\$300.86	3.25%	96.75%	\$803.26	8.67%	91.33%
Seasonal	\$10.41	12.27%	87.73%	\$83.68	98.66%	1.34%
Street Lighting	\$0.72	4.49%	95.51%	\$12.53	78.62%	21.38%

Table 6 - Current and Proposed F/V Split

Customer Class Name	Current Rates and Fixed to Variable Split			Proposed Rates and Fixed to Variable Split		
	Rate	Fixed %	Variable %	Rate	Fixed %	Variable %
Residential R1	\$102.45	64.12%	35.88%	\$108.56	64.12%	35.88%
Residential R2	\$803.26	12.01%	87.99%	\$1,112.25	12.01%	87.99%
Seasonal	\$54.75	64.09%	35.91%	\$54.75	64.55%	35.45%
Street Lighting	\$2.05	8.60%	91.40%	\$1.37	8.60%	91.40%

API notes that the analysis in the above tables is based on consideration of equivalent rates for the R1 and R2 rate classes determined for cost allocation purposes. However, actual rates for the R1 and R2 are set outside of the OEB's cost allocation and rate design processes, by applying the RRRP Adjustment Factor to the most recently approved fixed and variable rates. As a result, this analysis has no impact on rate setting for the R1 and R2 rate classes.

For the Seasonal rate class, maintaining the current fixed to variable split of 64.09%/35.91% would result in a decrease to the Seasonal fixed rate (prior to the 2020 adjustment under the Residential Rate Design Policy). In API's view, lowering the fixed rate initially to maintain existing fixed to variable ratios would be counter to the Residential Rate Design Policy, and API has therefore proposed to maintain the current fixed rate of \$54.75 as the starting point for the 2020 adjustment.

Finally, for the Street Lighting rate class, API has proposed to maintain existing fixed to variable ratios, and the resulting fixed rate is within the acceptable range calculated by the cost allocation study.

8.3 NON-DISTRIBUTION RATES

8.3.1 – RETAIL TRANSMISSION SERVICE RATES ("RTSR")

API's entire electricity distribution system is connected to the IESO-controlled grid via the Hydro One Sault Ste. Marie transmission system. API is charged for transmission costs at the wholesale level based on Uniform Transmission Rates (UTR) and subsequently pass these charges on to their distribution customers through the RTSRs. Variance accounts are used to capture timing differences and differences in the rate that a distributor pays for wholesale transmission service compared to the retail rate that the distributor is authorized to charge when billing its customers.

API has undertaken a review of its RTSR in a manner consistent with the Board's Guideline G-2008-0001: Electricity Distribution Retail Transmission Service Rates, October 22, 2008 as revised June 28, 2012.

The OEB's RTSR model was used to calculate the proposed 2020 RTSR rates and a live Excel version of the model has been filed in conjunction with this Application. A PDF version is included in Appendix D of this Exhibit. Table 7 below compares API's existing RTSRs with the proposed 2020 RTSRs calculated in the RTSR model. The proposed rates are reflected in the Applicant's projected power supply expense for 2020 as shown in Exhibit 3. Table 8 summarizes the forecasted 2020 wholesale cost that will be paid by API, based on 2018 monthly demand and 2019 interim UTRs. API acknowledges that the OEB may approve final 2019 UTRs and/or 2020 UTRs prior issuing a decision and order in this Application, and commits to updating its RTSR calculations as required. Table 9 summarizes API's forecasted RTSR revenues for 2020, which are equal to the forecasted wholesale costs from Table 8. The forecasted RTSR revenue is based on the load forecast volumes presented in Exhibit 3 and the proposed 2020 RTSRs calculated using the OEB RTSR model.

1

Table 7 - Existing vs Proposed RTSR Rates

Rate Class and Charge	Unit	Existing	2020 Proposed
Residential - R1			
RTSR - Network	\$/kWh	0.0066	0.0079
RTSR - Connection	\$/kWh	0.0060	0.0067
Residential - R2			
RTSR - Network	\$/kW	2.5066	2.9917
RTSR - Connection	\$/kW	2.2787	2.5323
Seasonal			
RTSR - Network	\$/kWh	0.0066	0.0079
RTSR - Connection	\$/kWh	0.0060	0.0067
Street Lighting			
RTSR - Network	\$/kW	1.8150	2.1663
RTSR - Connection	\$/kW	1.6438	1.8267

2

3

Table 8 – 2020 Forecasted Wholesale Costs (Sheet 8 of RTSR Model)

IESO	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	42,655	\$ 3.7100	\$ 158,250	20,951	\$ 0.9400	\$ 19,694	45,847	\$ 2.2500	\$ 103,156	\$ 122,850
February	37,471	\$ 3.7100	\$ 139,017	21,320	\$ 0.9400	\$ 20,041	41,941	\$ 2.2500	\$ 94,367	\$ 114,408
March	34,238	\$ 3.7100	\$ 127,023	19,403	\$ 0.9400	\$ 18,239	36,453	\$ 2.2500	\$ 82,019	\$ 100,258
April	41,801	\$ 3.7100	\$ 155,082	29,417	\$ 0.9400	\$ 27,652	47,270	\$ 2.2500	\$ 106,358	\$ 134,009
May	33,936	\$ 3.7100	\$ 125,903	27,048	\$ 0.9400	\$ 25,425	40,767	\$ 2.2500	\$ 91,726	\$ 117,151
June	28,094	\$ 3.7100	\$ 104,230	17,041	\$ 0.9400	\$ 16,018	32,018	\$ 2.2500	\$ 72,041	\$ 88,059
July	27,198	\$ 3.7100	\$ 100,905	16,568	\$ 0.9400	\$ 15,574	32,935	\$ 2.2500	\$ 74,104	\$ 89,678
August	27,431	\$ 3.7100	\$ 101,769	17,319	\$ 0.9400	\$ 16,280	33,158	\$ 2.2500	\$ 74,606	\$ 90,885
September	27,694	\$ 3.7100	\$ 102,745	18,804	\$ 0.9400	\$ 17,676	34,866	\$ 2.2500	\$ 78,449	\$ 96,124
October	32,468	\$ 3.7100	\$ 120,456	20,127	\$ 0.9400	\$ 18,919	37,818	\$ 2.2500	\$ 85,091	\$ 104,010
November	39,496	\$ 3.7100	\$ 146,530	21,426	\$ 0.9400	\$ 20,140	42,482	\$ 2.2500	\$ 95,585	\$ 115,725
December	38,533	\$ 3.7100	\$ 142,957	22,639	\$ 0.9400	\$ 21,281	42,778	\$ 2.2500	\$ 96,251	\$ 117,531
Total	411,015	\$ 3.71	\$ 1,524,867	252,063	\$ 0.94	\$ 236,939	468,333	\$ 2.25	\$ 1,053,750	\$ 1,290,689

4

Table 9 – 2020 Forecasted RTSR Revenue

Customer Class	Unit	2020 Volume	RTSR - Network		RTSR - Connection	
			Rate	Amount	Rate	Amount
Residential R1	kWh	112,547,683	0.0079	\$886,571	0.0067	\$750,427
Residential R2	kW	196,648	2.9917	\$588,312	2.5323	\$497,964
Seasonal	kWh	5,890,288	0.0079	\$46,399	0.0067	\$39,274
Street Lighting	kW	1,655	2.1663	\$3,585	1.8267	\$3,023
TOTAL				\$1,524,867		\$1,290,689

8.3.2 – RETAIL SERVICE CHARGES

Retail services refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity as set out in the Retail Settlement Code ("RSC"). API proposes to maintain all of its current Retail Service Charges in this Application.

The following table, reproduced from the OEB's February 14, 2019 Decision and Order in EB-2015-0304 shows the Retail Service Charges in effect May 1, 2019, and sought for approval in this proceeding. API notes that it has omitted the new "Notice of switch letter charge" from the table below. In accordance with the OEB's decision in implementing this new charge, distributors could opt out of applying this charge by notifying the OEB within 60 days of the issuance of the Decision and Order. On March 27, 2019, API and its affiliate CNPI jointly notified the OEB of their intent to opt out of applying this new charge, on the basis that only 22 such letters were issued in 2018, and therefore the forecast costs of implementing the charge would exceed the forecasted incremental revenue.

1

Table 10 – Retail Service Charges, Effective May 1, 2019

Retail Service Charge	Amount
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$100.00
Monthly fixed charge, per retailer	\$40.00
Monthly variable charge, per customer, per retailer	\$1.00
Distributor-consolidated billing monthly charge, per customer, per retailer	\$0.60
Retailer-consolidated billing monthly credit, per customer, per retailer	\$(0.60)
Service Transaction Requests – Request fee, per request, applied to the requesting party	\$0.50
Service Transaction Requests – Processing fee, per request, applied to the requesting party	\$1.00
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 system, applied to the requesting party	No Charge (Up to twice a year) \$4.00 (More than twice a year, per request, plus incremental delivery costs)

2

8.3.3 – WHOLESALE MARKET SERVICE RATE

Wholesale Market Service Charges (WMS Charges) recover the cost of services required to operate the electricity system and administer the wholesale market. These charges include the costs of items such as operating reserve, certain market costs related to system congestion and imports, as well as other costs, such as losses on the IESO-controlled grid.

Individual electricity distributors recover the WMS Charges from their customers through the WMS rate, which is authorized by the Board under section 78 of the Act. The WMS rate appears on the tariff sheets for all electricity distributors. WMS Charges are paid by all customers of the wholesale electricity market, including electricity distributors, to the IESO.

These charges and customer payments are recorded in Account 1580 of the Uniform System of Accounts. Any audited balances within Account 1580 are usually considered for disposition in the distributor's next rates application.

On December 20, 2018, the Board issued a Decision and Order setting the WMS rate for 2019 at \$0.0034/kWh (including Class B CBR of \$0.0004/kWh). This unit rate shall apply to a customer's metered energy consumption adjusted by the distributor's Board-approved Total Loss Factor. API is proposing to maintain its existing Wholesale Market Service Charges at \$0.0034/kWh, until such time as the OEB sets a new rate on a generic basis.

8.3.4 – RURAL OR REMOTE RATE PROTECTION

The Rural or Remote Electricity Rate Protection (RRRP) program is designed to provide financial assistance to eligible customers located in rural or remote areas where the costs of providing electricity service to these customers exceed the costs of providing electricity to customers located elsewhere in the province of Ontario. The OEB approves a RRRP requirement amount to be collected from electricity distributors by the IESO each year. The OEB also approves a charge that the IESO applies in order to recover the RRRP requirement amount from all customers in the province. Electricity distributors in turn levy an OEB-approved retail RRRP charge to recover

the RRRP amount paid to the IESO. The IESO is required by regulation to pay out the funds to distributors that have received approval for RRRP funding and to track any over or under collections.

On December 20, 2018, the Board issued a Decision and Order setting the RRRP rate for 2019 at \$0.0005/kWh. This unit rate shall apply to a customer's metered energy consumption adjusted by the distributor's Board-approved Total Loss Factor. API is proposing to maintain its existing RRRP rate at \$0.0005/kWh, until such time as the OEB sets a new rate on a generic basis.

8.3.5 – STANDARD SUPPLY SERVICE CHARGE

The Standard Supply Service Charge is also set by the OEB on a province-wide basis. In the absence of any recent direction from the OEB in respect of this charge, API proposes to maintain its existing charge of \$0.25 per customer, per month.

8.3.6 – SPECIFIC SERVICE CHARGES

On March 14, 2019, the OEB issued a Rate Order in EB-2017-0183, making changes to certain Specific Service Charges related to non-payment of account, effective July 1, 2019. These changes include:

1. Elimination of charges identified as "Collection of Account" and charges identified as "Install/Remove Load Control Device";
2. Clarification that any reference to "Disconnect/Reconnect" shall be read as "Reconnection"; and,
3. Clarification that the methodology for calculating late payment charges results in an effective annual rate of 19.56%, or 0.04896%, compounded daily.

API expects that item #1 above will result in an immaterial decrease in 2019 and 2020 revenues, and that items #2 and #3 above will result in no changes to future revenues since API has historically applied any disconnect/reconnect and late payment charges in accordance with the clarifications noted above.

1 API's existing Specific Service Charges are listed at page 6 of its existing Tariff of Rates and
2 Charges, included as Appendix B to this Exhibit. API is not requesting any new Specific Service
3 Charges, nor is API requesting any changes to its existing Specific Service Charges, other than
4 those changes made in accordance with the OEB's March 14, 2019 Rate Order in EB-2017-0183,
5 as summarized above. The proposed 2020 Specific Service Charges included in Appendix C of
6 this Exhibit include the changes required in light of the EB-2017-0183 Rate Order.

7 API does not have any specific rates and charges reflected in its Conditions of Service that are
8 not listed in its Tariff. Any revenues from capital contributions related to to the system
9 expansion process outlined in API's conditions of service are appropriately reflected in Exhibit 2
10 (see Capital Contributions line item in Section 2.2.1 of Exhibit 2). Details of historical and
11 forecasted revenue from Specific Service charges are provided in Section 3.4 of Exhibit 3.

8.3.7 – WIRELINE POLE ATTACHMENT CHARGE

API is proposing to use the OEB approved province wide service charge for pole rentals, which is currently set at \$43.63 for 2019. API acknowledges that this rate will be adjusted annually based on the OEB's inflation factor commencing January 1, 2020, and that the proposed 2020 rate listed on the Tariff in Appendix C will need to be updated at the time of a future OEB's decision on 2020 province wide rate. API will record any variance in revenue on pole rental charges from September 1, 2018 until December 31, 2019 in the appropriate variance account, in accordance with the OEB's July 20, 2018 Accounting Guidance on this matter. For the 2020 Test Year, API has forecast a material increase in Account 4210 – Rent from Electric Property, as described in Section 3.4.2 of Exhibit 3.

8.3.8 – LOW VOLTAGE SERVICE RATES

API's entire electricity distribution system is directly connected to the IESO-controlled grid via the Hydro One Sault Ste. Marie transmission system. Accordingly, Low Voltage service rates are not applicable.

8.3.9 – SMART METERING ENTITY CHARGE

API is proposing to maintain its existing Smart Meter Entity Charge ("SME"). The proposed 2020 rate remains at \$0.57 in accordance with the OEB's March 1, 2018 Decision and Order in EB-2017-0290, which indicates that this rate is effective until December 31, 2022. API confirms that it has complied with the OEB's March 23, 2018 accounting guidance.

8.3.10 – LOSS ADJUSTMENT FACTORS

No portion of API's distribution system is embedded within another distributor. The API distribution system is supplied from the IESO controlled grid, via the Hydro One Sault Ste. Marie transmission system, and API therefore proposes to use the standard Supply Facilities Loss factor of 1.0045.

1 In its most recent cost of service application, EB-2014-0055, API's Total Loss Factors were
2 approved at 1.0917 for secondary metered customers, and at 1.0808 for primary metered
3 customers. Neither the OEB's decision, nor the settlement agreement in EB-2014-0055 required
4 API to undertake any form of loss studies or to implement any recommendations related to
5 these loss adjustment factors.

6 API proposes a Total Loss Factor ("TLF") of 1.0829, using the historical average of the last five
7 years as presented in Table 11. Energy associated with distributed generation embedded within
8 API's service territory is included in the determination of the loss adjustment factors. A
9 comparison of existing and proposed loss factors is provided in Table 12.

10 API's proposed loss factor is based on a historical average of 7.81% for distribution system
11 losses (i.e. row G in Table 11). The Filing Requirements specify that in cases where the proposed
12 distribution loss factor exceeds 5%, the distributor must provide an explanation for the level of
13 the loss factor, details of actions taken to reduce losses in the previous five years, and actions
14 planned to reduce losses going forward.

15 API serves a very large geographic area of approximately 14,200 square kilometers with
16 approximately 1860 kilometers of line servicing approximately 12,000 customers. It is generally
17 recognized that with its very low customer density and vast service territory API's loss factor will
18 exceed 5%. This is a result of historical decisions to construct long radial feeders (often
19 transitioning to single-phase in more rural areas) from a limited number of transmission supply
20 points. API notes that in order to better understand industry practices with respect to system
21 losses, the OEB published a June 23, 2008 OEB Report: *Ontario Electricity Distributor Practices*
22 *Relating to Management of System Losses*. In this report, the OEB found that many Ontario
23 distributors had system losses of less than 5%, but that others continued to have loss factors
24 above this threshold. In the context of API's rural and low-density service area, API notes that
25 Appendix C to this report indicates that average distribution loss factors for rural LDC's in
26 Michigan (co-ops) and in Australia were in the range of 9-10%.

1 API considers the impact of system losses in its system planning and project alternative
2 evaluations, as further detailed in its DSP. While the reduction in the TLF proposed in this
3 Application might suggest that these efforts have succeeded in reducing losses in the previous
4 five years, API cautions on expecting that these reductions will necessarily continue into future
5 years. API delivers a significant portion of its total load to a small number of customers
6 connected to express feeders, and year-to-year changes in the proportion of load supplied to
7 these customers could have a disproportionate impact on actual system losses. Further, certain
8 system configurations that are required to restore power during system outages, or to maintain
9 service during transmitter planned maintenance activities, can result in significant increases in
10 circuit distance from supply points to load centres, increasing system losses. Both of these
11 circumstances are beyond API's control, and are likely to have greater impacts on future loss
12 factors than any projects that incorporate reductions to system losses.

13 API is committed to continuing to consider opportunities for reducing system losses during
14 system planning and project alternative evaluation. Opportunities to specifically target loss
15 reduction, for example voltage conversion, extension of its 3-phase system, and conductor size
16 increases will be considered as part of sustaining asset replacement programs, but are unlikely
17 to be justified on loss savings alone.

Table 11 – OEB Appendix 2-R Calculation of Proposed Loss Factor

**Appendix 2-R
Loss Factors**

		Historical Years					5-Year Average
		2014	2015	2016	2017	2018	
	Losses Within Distributor's System						
A(1)	"Wholesale" kWh delivered to distributor (higher value)	224,055,026	218,359,584	213,114,845	219,147,652	243,134,751	223,562,371
A(2)	"Wholesale" kWh delivered to distributor (lower value)	223,056,717	217,389,981	212,169,174	218,174,267	242,054,719	222,568,972
B	Portion of "Wholesale" kWh delivered to distributor for its Large Use Customer(s)	-	-	-	-	-	-
C	Net "Wholesale" kWh delivered to distributor = A(2) - B	223,056,717	217,389,981	212,169,174	218,174,267	242,054,719	222,568,972
D	"Retail" kWh delivered by distributor	205,806,696	200,913,700	197,489,288	203,142,174	224,890,511	206,448,474
E	Portion of "Retail" kWh delivered by distributor to its Large Use Customer(s)	-	-	-	-	-	-
F	Net "Retail" kWh delivered by distributor = D - E	205,806,696	200,913,700	197,489,288	203,142,174	224,890,511	206,448,474
G	Loss Factor in Distributor's system = C / F	1.0838	1.0820	1.0743	1.0740	1.0763	1.0781
	Losses Upstream of Distributor's System						
H	Supply Facilities Loss Factor	1.0045	1.0045	1.0045	1.0045	1.0045	1.0045
	Total Losses						
I	Total Loss Factor = G x H	1.0887	1.0869	1.0792	1.0788	1.0812	1.0829

Table 12 – Comparison of Existing and Proposed Loss Factors

	2015-2019 Approved	2020 Proposed
Supply Facility Loss Factor	1.0045	1.0045
Loss Factor in Distributor's System	1.0868	1.0781
Total Loss Factor (Secondary Metered)	1.0917	1.0829
Total Loss Factor (Primary Metered)	1.0808	1.0721

8.3.11 – TARIFF OF RATES AND CHARGES

The existing rate schedule is presented at Appendix B and the proposed rate schedule is presented at Appendix C. As of the date of filing the Application, the OEB had not yet released an updated Tariff and Bill Impact Model for 2020 rate applications. As such, the proposed 2020 Tariff included in Appendix C was manually produced, using the approved 2019 Tariff as a starting point, and incorporating all proposed changes resulting from: this Application, API's MAAD application (EB-2018-0271), and any OEB consultations that have resulted in changes to Specific Service Charges and Retail Service Charges. API will populate the OEB's 2020 Tariff and Bill Impact Model as it becomes available.

8.3.12 – REVENUE RECONCILIATION

Table 13 shows detailed calculations of revenue per rate class using 2020 proposed rates, and a detailed reconciliation of revenue by rate class to the total of the proposed 2020 base revenue requirement and the forecasted 2020 transformer allowance credit.

The difference of \$2,474, or 0.01%, between total forecasted rate revenue and the proposed 2020 revenue requirement (base revenue requirement plus transformer allowance) is due to rounding of rates to the OEB-specified number of decimal places during rate design. The difference due to rounding in Table 13 is not the same as the difference due to rounding shown in Sheet 13 of the RRWF because Table 13 is calculated based on actual 2020 rates that are calculated using the API Rate Design Model, whereas the RRWF calculates equivalent rates (i.e. rates that would apply in the absence of RRRP funding), based on the results of the 2020 cost allocation study.

Table 13 – Revenue Reconciliation

	Volumetric Determinant	Test Year Customer/Load Forecast			Proposed Rates			Fixed Revenues at Proposed Rates	Variable Revenues at Proposed Rates	Total	Class Specific Revenue Requirement	Transformer Allowance Credit	Total	Difference
		Customers/Connections	kWh	kW	Monthly Service Charge	Volumetric								
						kWh	kW							
R1(i)	kWh	8,116	78,446,984	-	\$47.17	\$0.0126		\$4,593,714.15	\$988,432.00	\$5,582,146.15				
R1(iii)	kWh	997	25,484,758	-	\$26.21	\$0.0369		\$313,675.80	\$940,387.56	\$1,254,063.35				
R1 - Total		9,113	103,931,742					\$4,907,389.95	\$1,928,819.56	\$6,836,209.50	\$18,515,173.83		\$18,515,173.83	\$11,678,964.33
R2	kW	37	85,867,987	196,648	\$674.59		\$3.4953	\$301,802.56	\$687,344.08	\$989,146.63	\$4,143,354.91	\$87,159.17	\$4,230,514.08	\$3,241,367.44
RRRP								\$14,917,642.25	\$0.00	\$14,917,642.25				-\$14,917,642.25
Total RRRP-Eligible								\$20,126,834.76	\$2,616,163.63	\$22,742,998.39	\$22,658,528.74	\$87,159.17	\$22,745,687.91	\$2,689.52
Seasonal	kWh	2,960	5,439,365	-	\$58.75	\$0.1703		\$2,086,931.03	\$926,323.85	\$3,013,254.87	\$3,013,020.34		\$3,013,020.34	-\$234.53
Street Lighting	kWh	1,117	595,435	-	\$1.37	\$0.3279		\$18,364.85	\$195,243.17	\$213,608.02	\$213,626.92		\$213,626.92	\$18.90
Total								\$22,232,130.63	\$3,737,730.65	\$25,969,861.29	\$25,885,176.00	\$87,159.17	\$25,972,335	\$2,474

8.3.13 – BILL IMPACT INFORMATION

A complete set of bill impacts and summary information consistent with Sheet 20 of the OEB's Tariff Schedule and Bill Impacts Model (the "OEB Bill Impact Model") is included as Appendix E to this Exhibit. API has also filed the Excel model (the "API Bill Impact Model") that it used to produce this bill impact information and will populate the 2020 version of the OEB Bill Impact Model once it becomes available. The bill impacts presented include all changes resulting from the Application as-filed, such as changes to base distribution rates, rate riders, and RTSR's. As specified in the filing requirements, commodity and regulatory charges are held constant. API confirms that rates are rounded to the number of decimals specified in the proposed Tariff.

The scenarios included in the API Bill Impact Model include a representative sample of end-users, in accordance with the instructions contained in Sheet 20 of the OEB Bill Impact Model. API notes that a small number of its R2 customers have consumption levels that are substantially in excess of the class average. As such, an additional scenario for the R2 rate class was added to reflect approximate bill impacts for a large Class A customer.

Table 14 below is a reproduction of Table 2 in Sheet 20 of the OEB model, providing an analysis of the absolute dollar changes and % changes resulting from this Application, for various sub-totals (distribution excluding pass-through, distribution, delivery and total bill). Table 15 provides further detail on the actual dollar amounts associated with the Sub-Total A (distribution excluding pass-through) and Total Bill amounts from Table 14.

Table 14 – Bill Impact Analysis (Table 2 of OEB Model)

Customer Classification and Billing Type	Energy kWh	Demand kW	Sub-Total						Total	
			A		B		C		Total Bill	
			\$	%	\$	%	\$	%	\$	%
Residential - R1(i) (RPP)	269	-	\$ 1.03	2.8%	\$ 0.86	2.2%	\$ 1.42	3.3%	\$ 1.48	2.1%
Residential - R1(i) (RPP)	750	-	\$ 2.33	6.6%	\$ 1.86	4.6%	\$ 3.40	6.7%	\$ 3.55	2.9%
Residential - R1(i) (Retailer)	750	-	\$ 2.33	6.6%	-\$ 31.55	-85.5%	-\$ 30.01	-63.5%	-\$ 31.53	-22.5%
Residential - R1(ii) (RPP)	2,000	-	\$ 7.44	7.9%	\$ 6.19	5.8%	\$ 10.30	7.6%	\$ 10.74	3.3%
Residential - R1(ii) (Retailer)	2,000	-	\$ 7.44	7.9%	-\$ 82.90	-85.5%	-\$ 78.79	-63.3%	-\$ 82.80	-22.3%
Residential - R2 (non-RPP)	90,000	225	\$ 199.56	16.0%	-\$ 3,804.46	-870.0%	-\$ 3,633.94	-225.3%	-\$ 4,208.38	-29.1%
Residential - R2 (Class A)	2,500,000	5,000	\$ 4,123.65	30.0%	\$ 3,745.65	33.1%	\$ 7,534.79	20.1%	\$ 5,680.27	1.4%
Seasonal (RPP)	50	-	\$ 5.25	8.2%	\$ 5.21	8.1%	\$ 5.31	8.1%	\$ 5.58	7.6%
Seasonal (RPP)	153	-	\$ 7.85	9.6%	\$ 7.74	9.3%	\$ 8.05	9.4%	\$ 8.45	8.1%
Seasonal (RPP)	750	-	\$ 22.96	12.2%	\$ 22.23	11.4%	\$ 23.77	11.5%	\$ 24.93	8.8%
Seasonal (Retailer)	750	-	\$ 22.96	12.2%	-\$ 10.81	-5.8%	-\$ 9.27	-4.7%	-\$ 96.46	-32.3%
Street Lighting (non-RPP)	3,308	9	\$ 100.19	8.1%	-\$ 54.52	-4.4%	-\$ 49.48	-3.9%	-\$ 52.07	-3.0%

Table 15 – Additional Bill Impact Analysis

Customer Classification and Billing Type	Energy kWh	Demand kW	Monthly Distribution Charge (Sub-Total A)			
			Current	Per Application	Change	
					\$	%
Residential - R1(i) (RPP)	269	-	\$ 36.35	\$ 37.38	\$ 1.03	2.8%
Residential - R1(i) (RPP)	750	-	\$ 35.44	\$ 37.77	\$ 2.33	6.6%
Residential - R1(i) (Retailer)	750	-	\$ 35.44	\$ 37.77	\$ 2.33	6.6%
Residential - R1(ii) (RPP)	2,000	-	\$ 94.04	\$ 101.48	\$ 7.44	7.9%
Residential - R1(ii) (Retailer)	2,000	-	\$ 94.04	\$ 101.48	\$ 7.44	7.9%
Residential - R2 (non-RPP)	90,000	225	\$ 1,249.08	\$ 1,448.64	\$ 199.56	16.0%
Residential - R2 (Class A)	2,500,000	5000	\$ 13,751.94	\$ 17,875.59	\$ 4,123.65	30.0%
Seasonal (RPP)	50	-	\$ 63.66	\$ 68.91	\$ 5.25	8.2%
Seasonal (RPP)	153	-	\$ 82.01	\$ 89.87	\$ 7.85	9.6%
Seasonal (RPP)	750	-	\$ 188.40	\$ 211.36	\$ 22.96	12.2%
Seasonal (Retailer)	750	-	\$ 188.40	\$ 211.36	\$ 22.96	12.2%
Street Lighting (non-RPP)	3,308	9	\$ 1,240.35	\$ 1,340.55	\$ 100.19	8.1%

Customer Classification and Billing Type	Energy kWh	Demand kW	Total Bill			
			Current	Per Application	Change	
					\$	%
Residential - R1(i) (RPP)	269	-	\$ 69.20	\$ 70.67	\$ 1.48	2.1%
Residential - R1(i) (RPP)	750	-	\$ 122.18	\$ 125.73	\$ 3.55	2.9%
Residential - R1(i) (Retailer)	750	-	\$ 139.90	\$ 108.37	-\$ 31.53	-22.5%
Residential - R1(ii) (RPP)	2,000	-	\$ 323.91	\$ 334.66	\$ 10.74	3.3%
Residential - R1(ii) (Retailer)	2,000	-	\$ 371.15	\$ 288.35	-\$ 82.80	-22.3%
Residential - R2 (non-RPP)	90,000	225	\$ 14,479.59	\$ 10,271.21	-\$ 4,208.38	-29.1%
Residential - R2 (Class A)	2,500,000	5000	\$ 393,880.99	\$ 399,561.26	\$ 5,680.27	1.4%
Seasonal (RPP)	50	-	\$ 73.31	\$ 78.88	\$ 5.58	7.6%
Seasonal (RPP)	153	-	\$ 104.12	\$ 112.57	\$ 8.45	8.1%
Seasonal (RPP)	750	-	\$ 284.72	\$ 309.65	\$ 24.93	8.8%
Seasonal (Retailer)	750	-	\$ 298.43	\$ 201.97	-\$ 96.46	-32.3%
Street Lighting (non-RPP)	3,308	9	\$ 1,740.45	\$ 1,688.38	-\$ 52.07	-3.0%

The primary driver of the large total bill decreases for the non-RPP rate classes is a relatively high credit rate rider related to disposition of Global Adjustment variances. This credit is not reflected in the higher consumption R2 scenario since the rate rider does not apply to Class A customers.

For the Residential – R1 and Residential – R2 rate classes, the Sub-Total A bill impacts presented above are affected by the December 31, 2019 expiry of a credit rate rider. Table 16 provides an additional detail on the Sub-Total A changes that are related to base distribution charges only. The difference between these amounts and the Sub-Total A are due to changes in Group 2 rate riders.

Table 16 – Sub-Total A – Additional Detail

Customer Classification and Billing Type	Energy kWh	Demand kW	Sub-Total			
			Base Distribution		A	
			\$	%	\$	%
Residential - R1(i) (RPP)	269	-	\$ 0.44	1.2%	\$ 1.03	2.8%
Residential - R1(i) (RPP)	750	-	\$ 0.44	1.2%	\$ 2.33	6.6%
Residential - R1(i) (Retailer)	750	-	\$ 0.44	1.2%	\$ 2.33	6.6%
Residential - R1(ii) (RPP)	2,000	-	\$ 2.17	2.2%	\$ 7.44	7.9%
Residential - R1(ii) (Retailer)	2,000	-	\$ 2.17	2.2%	\$ 7.44	7.9%
Residential - R2 (non-RPP)	90,000	225	\$ 31.73	2.2%	\$ 199.56	16.0%
Residential - R2 (Class A)	2,500,000	5,000	\$ 394.15	2.2%	\$ 4,123.65	30.0%
Seasonal (RPP)	50	-	\$ 5.05	8.1%	\$ 5.25	8.2%
Seasonal (RPP)	153	-	\$ 7.20	9.3%	\$ 7.85	9.6%
Seasonal (RPP)	750	-	\$ 19.68	11.8%	\$ 22.96	12.2%
Seasonal (Retailer)	750	-	\$ 19.68	11.8%	\$ 22.96	12.2%
Street Lighting (non-RPP)	3,308	9	-\$ 60.57	-4.9%	\$ 100.19	8.1%

Increases to base distribution charges for R1(i) customers are limited to 1.2%, based on a placeholder amount of \$37.30 for the maximum base distribution charge under the DRP program (see Section 8.2.3 for a description of the DRP adjustment). API calculated the placeholder amount based on consideration of the most recent increase ($36.86 * 36.86 / 36.43 = 37.30$), and will update the placeholder as required. Base distribution charges for R1(ii) and R2 customers are equal to the 2.22% placeholder for the 2020 RRRP Adjustment Factor described in Section 8.2.5, which will be updated upon the OEB's determination of the 2020 RRRP Adjustment Factor.

Increases in base distribution charges for Seasonal customers are the result of increases to API's revenue requirement, an updated cost allocation study, and an updated load forecast. 2020 revenue allocated to the Seasonal class of \$3,013,020 is \$204,082 less than the amount allocated in API's 2019 IRM application, however customer counts and load for the Seasonal class have decreased significantly since 2015 Board Approved, resulting in rate increases. Decreases in base distribution charges for Street Lighting customers are primarily due to changes in the OEB's cost allocation policy.

Section 2.8.13.1 of the Filing Requirements states that distributors must specifically consider bill impacts, including the impact of increasing fixed rates in accordance with the OEB's Residential Rate Design Policy, for residential RPP customers who are at the 10th percentile of consumption, to a minimum of 50 kWh per month.

API has determined, based on 2017 data, that 10% of its residential customers (R1(i) rate class) consume 269 kWh or less on a monthly basis, and that 10% of its seasonal customers consume 16 kWh or less on a monthly basis. To determine this level of consumption at the 10th percentile, API used full data sets of for each of these rate classes, that included all customers with a complete twelve month billing cycle history for the period of January 1 to December 31, 2017. This data set was exported from API's billing system to an Excel format and sorted on the basis of the total consumption for the year in descending order. Using Excel's percentile function, the twelve month consumption at the tenth percentile was 3223 kWh per year or 269 kWh per month for the R1(i) class, and 186 kWh per year or 16 kWh per month for the Seasonal class. API therefore used 269 kWh to evaluate the 10th percentile bill impact for the R1(i) rate class, and used the minimum of 50 kWh specified in the Filing Requirements to evaluate the impact for the Seasonal rate class.

8.3.14 – RATE MITIGATION

All of the total bill impacts presented in Table 14 are below the OEB's 10% threshold. As such a rate mitigation plan is not required.

1 **APPENDICES**

2

Appendix 8A	API Rate Design Model
Appendix 8B	Existing Tariff Sheet (2019)
Appendix 8C	Proposed Tariff Sheet (2020)
Appendix 8D	PDF of RTSR
Appendix 8E	PDF of Bill Impact Model

3



Appendix 8A

Algoma Power Inc.

2020 Cost of Service

EB-2019-0019

**API 2020 RATE DESIGN MODEL
SHEET 1 - 2019 EQUIVALENT RATES**

Determination of Residential R1 & R2 2019 Electricity Distribution Rates and RRRP Funding (Incl OEB Residential Rate Design Policy)

Equivalent Distribution Rates Required to Recover the Proposed 2015 Base Revenue Requirement at the Proposed 2019 Revenue to Cost Ratios Excluding Transformer Ownership Allowance												
2019 Approved Equivalent Electricity Distribution Rates												
Customer Class	Metric	Average # of Customers	Billing Determinant		F/V Split		Distribution Rates		Revenues			
			kWh	kW	Fixed Allocation	Variable Allocation	Monthly Service Charge	Variable Charge	Fixed	Variable	Total Revenue	Check
Residential - R1	kWh	8496	105,791,701		13.6%	86.4%	20.89	0.1274	2,130,168	13,479,207	15,609,374	-
Residential - R2	kW	50		198,901	12.0%	88.0%	769.64	17.0101	461,787	3,383,332	3,845,119	-
Seasonal	kWh	3138	7,731,414		47.5%	52.5%	38.88	0.2093	1,464,178	1,618,302	3,082,480	-
Street Lighting	kWh	1018	804,705		8.6%	91.4%	1.97	0.3171	24,012	255,195	279,207	-
									4,080,145	18,736,036	22,816,181	-

NOTE - the total revenue in the table above remains at \$22,816,181, as accepted in EB-2014-0055. Only the Class Shares have changed as a result of the proposed 2019 revenue to cost ratios. The fixed/variable splits are the same as accepted in EB-2014-0055.

IRM Indexed Revenue Requirement for 2019 Excluding Transformer Ownership Allowance			
Customer Class	Revenues		
	Fixed	Variable	Total Revenue
Residential - R1	2,223,200	14,067,890	16,291,090
Residential - R2	481,955	3,531,094	4,013,049
Seasonal	1,528,124	1,688,979	3,217,103
Street Lighting	25,060	266,340	291,401
	4,258,339	19,554,303	23,812,642

NOTE - the table to the left reflects the inflationary increase of \$22,816,181 by all annual price-cap adjustments from 2016-2019 - see 2019 IRM model for additional detail.

Update R1 and Seasonal Fixed/Variable Split for Equivalent Rates to Reflect OEB Policy Transition for Fixed Residential Rates Excluding Transformer Ownership Allowance												
Customer Class	Metric	Average # of Customers	Billing Determinant		F/V Split		Distribution Rates		Revenues			
			kWh	kW	Fixed Allocation	Variable Allocation	Monthly Service Charge	Variable Charge	Fixed	Variable	Total Revenue	Reconciliation
Residential - R1(i)	kWh	7531	80,045,884		73.5%	26.5%	42.23	0.0172	3,816,435	1,373,158	5,189,592	-
Residential - R1(ii)	kWh	965	25,745,817		24.2%	75.8%	25.64	0.0361	296,874	929,003	1,225,877	-
Residential - R1 - Combined	kWh	8496	105,791,701		64.1%	35.9%	40.35	0.0218	4,113,309	2,302,161	6,415,470	-
Seasonal	kWh	3138	7,731,414		64.1%	35.9%	54.75	0.1494	2,061,666	1,155,212	3,216,878	-

Equivalent Distribution Rates Reflecting 2015-2019 Price Cap Indexing and Changes to Fixed/Variable Splits for Use in 2020 Cost Allocation Excluding Transformer Ownership Allowance												
Customer Class	Metric	Average # of Customers	Billing Determinant		F/V Split		Distribution Rates		Revenues			
			kWh	kW	Fixed Allocation	Variable Allocation	Monthly Service Charge	Variable Charge	Fixed	Variable	Total Revenue	Check
Residential - R1	kWh	8496	105,791,701		64.1%	35.9%	102.45	0.0553	10,445,109	5,845,980	16,291,090	-
Residential - R2	kW	50		198,901	12.0%	88.0%	803.26	17.7530	481,955	3,531,094	4,013,049	-
Seasonal	kWh	3138	7,731,414		64.1%	35.9%	54.75	0.1494	2,061,810	1,155,293	3,217,103	-
Street Lighting	kWh	1018	804,705		8.6%	91.4%	2.05	0.3310	25,060	266,340	291,401	-
									13,013,935	10,798,707	23,812,642	-

Check: -

API 2020 RATE DESIGN MODEL
SHEET 2 - RATE DESIGN FIXED/VARIABLE SPLIT

Existing Rates

Customer Class Name	Current Rates and Fixed to Variable Split			Proposed Rates and Fixed to Variable Split		
	Rate	Fixed %	Variable %	Rate	Fixed %	Variable %
Residential R1	\$102.45	64.12%	35.88%	\$108.56	64.12%	35.88%
Residential R2	\$803.26	12.01%	87.99%	\$1,112.25	12.01%	87.99%
Seasonal	\$54.75	64.09%	35.91%	\$54.75	64.55%	35.45%
Street Lighting	\$2.05	8.60%	91.40%	\$1.37	8.60%	91.40%
TOTAL						

Cost Allocation Results - Minimum and Maximum MSC

Customer Class Name	Cost Allocation - Minimum Fixed Rate			Cost Allocation - Maximum Fixed Rate			Minimum System with PLCC * adjustment
	Rate	Fixed %	Variable %	Rate	Fixed %	Variable %	
Residential R1	\$12.33	7.28%	92.72%	\$102.45	60.51%	39.49%	\$90.06
Residential R2	\$300.86	3.25%	96.75%	\$803.26	8.67%	91.33%	\$588.76
Seasonal	\$10.41	12.27%	87.73%	\$83.68	98.66%	1.34%	\$83.68
Street Lighting	\$0.72	4.49%	95.51%	\$12.53	78.62%	21.38%	\$12.53
TOTAL							

Rate Design

Customer Class Name	Proposed Fixed Charge			Resulting Variable		
	Fixed Rate	Fixed %	Variable %	Variable \$	Rate	per
Residential R1	\$108.56	64.12%	35.88%	6,643,688	\$0.0639	kWh
Residential R2	\$1,112.25	12.01%	87.99%	3,732,908	\$18.9827	kW
Seasonal	\$54.75	64.55%	35.45%	1,068,178	\$0.1964	kWh
Street Lighting	\$1.37	8.60%	91.40%	195,262	\$0.3279	kWh
TOTAL						

Customer Class Name	Transf. Allowance (\$/kW):			Base Revenue Requirement \$		
	kW	Rate	Total \$	Total	Fixed	Variable
Residential R1	0	\$0.00	0	18,515,174	11,871,486	6,643,688
Residential R2	145,265	\$0.60	87,159	4,143,355	497,606	3,645,749
Seasonal	0	\$0.00	0	3,013,020	1,944,842	1,068,178
Street Lighting	0	\$0.00	0	213,627	18,365	195,262
TOTAL	145,265		87,159	25,885,176	14,332,298	11,552,878
<i>Integrity Check (Base RR from Cost Allocation)</i>				25,885,176		

API 2020 RATE DESIGN MODEL
SHEET 3 - REVENUE AT CURRENT AND PROPOSED RATES

Projected Revenues at Current Rates

2019 Rates at 2020 Load

Test Year Projected Revenue from Existing Variable Charges								
Customer Class Name	Variable Distribution Rate	per	Test Year Volume	Gross Variable Revenue	Transform. Allowance Rate	Transform. Allowance kW's	Transform. Allowance \$'s	Net Variable Revenue
Residential R1	\$0.0553	kWh	103,931,742	\$5,743,200			\$0	\$5,743,200
Residential R2	\$17.7530	kW	196,648	\$3,491,098	(\$0.60)	145,265	-\$87,159	\$3,403,939
Seasonal	\$0.1494	kWh	5,439,365	\$812,795			\$0	\$812,795
Street Lighting	\$0.3310	kWh	595,435	\$197,077			\$0	\$197,077
Total Variable Revenue				\$10,244,170	-0.6	145,265	-\$87,159	\$10,157,011

2019 Rates at 2020 Load

Total Test Year Projected Revenue from Existing Rates								
Customer Class Name	Fixed Rate	Customers (Connections)	Fixed Charge Revenue	Variable Revenue	TOTAL	% Fixed Revenue	% Variable Revenue	% Total Revenue
Residential R1	\$102.45	9,113	\$11,203,468	\$5,743,200	\$16,946,668	66.1%	33.9%	71.5%
Residential R2	\$803.26	37	\$359,367	\$3,403,939	\$3,763,306	9.5%	90.5%	15.9%
Seasonal	\$54.75	2,960	\$1,944,978	\$812,795	\$2,757,773	70.5%	29.5%	11.6%
Street Lighting	\$2.05	1,117	\$27,500	\$197,077	\$224,576	12.2%	87.8%	0.9%
Total		13,227	\$13,535,312	\$10,157,011	\$23,692,323			

Projected Revenues at Proposed Rates

2020 Rates at 2020 Load

Test Year Projected Revenue from Proposed Variable Charges								
Customer Class Name	Variable Distribution Rate	per	Test Year Volume	Gross Variable Revenue	Transform. Allowance Rate	Transform. Allowance kW's	Transform. Allowance \$'s	Net Variable Revenue
Residential R1	\$0.0639	kWh	103,931,742	\$6,641,238			\$0	\$6,641,238
Residential R2	\$18.9827	kW	196,648	\$3,732,912	(\$0.60)	145,265	-\$87,159	\$3,645,753
Seasonal	\$0.1964	kWh	5,439,365	\$1,068,291			\$0	\$1,068,291
Street Lighting	\$0.3279	kWh	595,435	\$195,243			\$0	\$195,243
Total Variable Revenue				\$11,637,684	-0.6	145,265	-\$87,159	\$11,550,525

2020 Rates at 2020 Load

Total Test Year Projected Revenue from Proposed Rates Less Transformer Allowance								
Customer Class Name	Fixed Rate	Customers (Connections)	Fixed Charge Revenue	Variable Revenue	TOTAL	% Fixed Revenue	% Variable Revenue	% Total Revenue
Residential R1	\$108.56	9,113	\$11,871,486	\$6,641,238	\$18,512,724	64.1%	35.9%	71.5%
Residential R2	\$1,112.25	37	\$497,606	\$3,645,753	\$4,143,358	12.0%	88.0%	16.0%
Seasonal	\$54.75	2,960	\$1,944,842	\$1,068,291	\$3,013,133	64.5%	35.5%	11.6%
Street Lighting	\$1.37	1,117	\$18,365	\$195,243	\$213,608	8.6%	91.4%	0.8%
Total		13,227	\$14,332,298	\$11,550,525	\$25,882,824			

Base Revenue Requirement:	\$25,885,176
Difference due to Rounding:	-\$2,352
	-0.009%

API 2020 RATE DESIGN MODEL
SHEET 4 - API 2020 RRRP RATE DESIGN

Revenues Allocated to the Residential R1 & R2 Classes for 2020

\$ 22,658,529

2020 Application of Rate Indexing Methodology													
Delivery Charges Indexed by Simple Average of Other LDC Increases in Current Year													
Simple Average Increase in Delivery Charge for 2020 using the 2019 Board Calculated RRRP Adjustment Factor													2.22%
Customer Class	Metric	Average # of Customers	Billing Determinant		2019 Distribution Rates		2020 Distribution Rates		F/V Split		2020 Revenue		
			kWh	kW	Monthly Service Charge	Variable Charge	Monthly Service Charge	Variable Charge	Fixed Allocation	Variable Allocation	Fixed	Variable	Total Revenue
Residential - R1 (i)	kWh	8116	78,446,984		42.23	0.0172	43.17	0.0176	75.3%	24.7%	4,204,169	1,380,667	5,584,836
Residential - R1 (ii)	kWh	997	25,484,758		25.64	0.0361	26.21	0.0369	25.0%	75.0%	313,676	940,388	1,254,063
Residential - R2	kW	37		196,648	659.94	3.4194	674.59	3.4953	30.5%	69.5%	301,803	687,344	989,147
Transformer Ownership Allowance - Allocated to the Residential - R2 class												87,159	87,159
The Rural and Remote Rate Protection Amount Required for 2020													\$ 14,917,642

Check \$ -

API 2020 RATE DESIGN MODEL
SHEET 5 - API 2020 NON-RRRP RATE DESIGN

2020 Distribution Base Rate Determination											
Customer Class	Metric	Average # of Customers	Billing Determinant		F/V Split		Distribution Rates		Revenues		
			kWh	kW	Fixed Allocation	Variable Allocation	Monthly Service Charge	Variable Charge	Fixed	Variable	Total Revenue
Seasonal	kWh	2960	5,439,365		64.5%	35.5%	54.75	0.1964	1,944,842	1,068,291	3,013,133
Street Lighting	kWh	1117	595,435		8.6%	91.4%	1.37	0.3279	18,365	195,243	213,608
									1,963,207	1,263,534	3,226,741

API 2020 RATE DESIGN MODEL
SHEET 6 - RATE DESIGN POLICY R1(i)

A) Data Inputs

Test Year Billing Determinants for Residential Class	
Customers	8,116
kWh	78,446,984

Proposed Residential Class Specific Revenue Requirement ¹	\$5,584,835.67
--	----------------

Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	\$43.17
Distribution Volumetric Rate (\$/kWh)	\$0.0176

B) Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	\$43.17	8,116	\$4,204,168.75	75.28%
Variable	\$0.0176	78,446,984	\$1,380,666.92	24.72%
TOTAL	-	-	\$5,584,835.67	-

C) Calculating Test Year Base Rates

Number of Required Rate Design Policy Transition Years ²	
---	--

	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$4,204,168.75	\$43.17	\$4,204,168.75
Variable	\$1,380,666.92	\$0.02	\$1,380,666.92
TOTAL	\$5,584,835.67	-	\$5,584,835.67

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Revenue Reconciliation @ Adjusted Rates
Fixed	82.25%	\$4,593,714.15	\$47.17	\$4,593,714.15
Variable	17.75%	\$991,121.52	\$0.0126	\$988,432.00
TOTAL	-	\$5,584,835.67	-	\$5,582,146.15

Checks³	
Change in Fixed Rate	\$4.00
Difference Between Revenues @ Proposed Rates and Class Specific	-\$2,689.52
	-0.0482%

Notes:

- The final residential class specific revenue requirement, as shown in Appendix 2-P, should be used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- Default number of transition years for rate design policy change is 4. Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)

API 2020 RATE DESIGN MODEL
SHEET 7 - RATE DESIGN POLICY SEASONAL

A) Data Inputs

Test Year Billing Determinants for Residential Class	
Customers	2,960
kWh	5,439,365

Proposed Residential Class Specific Revenue Requirement ¹	\$3,013,020.34
--	----------------

Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	\$54.75
Distribution Volumetric Rate (\$/kWh)	\$0.1964

B) Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	\$54.75	2,960	\$1,944,842.10	64.55%
Variable	\$0.1964	5,439,365	\$1,068,291.27	35.45%
TOTAL	-	-	\$3,013,133.38	-

C) Calculating Test Year Base Rates

Number of Required Rate Design Policy Transition Years ²	
---	--

	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$1,944,769.14	\$54.75	\$1,944,842.10
Variable	\$1,068,251.19	\$0.1964	\$1,068,291.27
TOTAL	\$3,013,020.34	-	\$3,013,133.38

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Reconciliation @ Adjusted Rates
Fixed	69.26%	\$2,086,931.03	\$58.75	\$2,086,931.03
Variable	30.74%	\$926,089.31	\$0.1703	\$926,323.85
TOTAL	-	\$3,013,020.34	-	\$3,013,254.87

Checks³	
Change in Fixed Rate	\$4.00
Difference Between Revenues @	\$234.53
Proposed Rates and Class Specific	0.0078%

Notes:

- The final residential class specific revenue requirement, as shown in Appendix 2-P, should be used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- Default number of transition years for rate design policy change is 4. Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error).

**API 2020 RATE DESIGN MODEL
SHEET 8 - REVENUE RECONCILIATION**

	Volumetric Determinant	Test Year	Customer/Load Forecast			Proposed Rates		Fixed Revenues at Proposed Rates	Variable Revenues at Proposed Rates	Total	Class Specific Revenue Requirement	Transformer Allowance Credit	Total	Difference
		Customers/ Connections	kWh	kW	Monthly Service Charge	Volumetric								
						kWh	kW							
R1(i)	kWh	8,116	78,446,984	-	\$47.17	\$0.0126		\$4,593,714.15	\$988,432.00	\$5,582,146.15				
R1(ii)	kWh	997	25,484,758	-	\$26.21	\$0.0369		\$313,675.80	\$940,387.56	\$1,254,063.35				
R1 - Total		9,113	103,931,742					\$4,907,389.95	\$1,928,819.56	\$6,836,209.50	\$18,515,173.83		\$18,515,173.83	\$11,678,964.33
R2	kW	37	85,867,987	196,648	\$674.59		\$3,495.3	\$301,802.56	\$687,344.08	\$989,146.63	\$4,143,354.91	\$87,159.17	\$4,230,514.08	\$3,241,367.44
RRRP								\$14,917,642.25	\$0.00	\$14,917,642.25				-\$14,917,642.25
Total RRRP-Eligible								\$20,126,834.76	\$2,616,163.63	\$22,742,998.39	\$22,658,528.74	\$87,159.17	\$22,745,687.91	\$2,689.52
Seasonal	kWh	2,960	5,439,365	-	\$58.75	\$0.1703		\$2,086,931.03	\$926,323.85	\$3,013,254.87	\$3,013,020.34		\$3,013,020.34	-\$234.53
Street Lighting	kWh	1,117	595,435	-	\$1.37	\$0.3279		\$18,364.85	\$195,243.17	\$213,608.02	\$213,626.92		\$213,626.92	\$18.90
Total								\$22,232,130.63	\$3,737,730.65	\$25,969,861.29	\$25,885,176.00	\$87,159.17	\$25,972,335	\$2,474

Note Checks: - 0 0.010%

- The class specific revenue requirements in column M must be the amounts used in the final rate design process. The total of column M should equate to the proposed base revenue requirement.
- Rates should be entered with the number of decimal places that will show on the Tariff of Rates and Charges.



Appendix 8B

Algoma Power Inc.

2020 Cost of Service

EB-2019-0019

Algoma Power 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-2018-0017

RESIDENTIAL R1 SERVICE CLASSIFICATION

For the purposes of rates and charges, a residential service is defined in two ways:

- i) a dwelling occupied as a residence continuously for at least eight months of the year and, where the residential premises is located on a farm, includes other farm premises associated with the residential electricity meter, and
- ii) consumers who are treated as residential-rate class customers under Ontario Regulation 445/07 (Reclassifying Certain Classes of Consumers as Residential-Rate Class Customers: Section 78 of the Ontario Energy Board Act, 1998) made under the Ontario Energy Board Act, 1998.

This application refers to a Residential service with a demand of less than, or is forecast to be less than, 50 kilowatts, and which is billed on an energy basis. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Condition 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 - Applicable only to customers that meet criteria (i) above	\$	42.23
Service Charge - Applicable only to customers that meet criteria (ii) above	\$	25.64
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.57
Rate Rider for Partial Disposition of Interim Licence Deferral Account - effective until December 31, 2024 Applicable only for customers in the Township of Dubreuilville	\$	11.16
Distribution Volumetric Rate - Applicable only to customers that meet criteria (i) above	\$/kWh	0.0172
Distribution Volumetric Rate - Applicable only to customers that meet criteria (ii) above	\$/kWh	0.0361
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	(0.0078)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kWh	(0.0011)
Rate Rider for Disposition of Accounts 1575 & 1576 - effective until December 31, 2019	\$/kWh	(0.0019)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0060

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

Algoma Power 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-2018-0017

RESIDENTIAL R2 SERVICE CLASSIFICATION

This classification refers to a Residential service with a demand equal to or greater than, or is forecast to be equal to or greater than, 50 kilowatts, and which is billed on a demand basis. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

The rate rider for the disposition of 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	\$	659.94
Rate Rider for Partial Disposition of Interim Licence Deferral Account - effective until December 31, 2024 Applicable only for customers in the Township of Dubreuilville	\$	11.16
Distribution Volumetric Rate	\$/kW	3.4194
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	(0.0078)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kW	(0.4880)
Rate Rider for Disposition of Accounts 1575 & 1576 - effective until December 31, 2019	\$/kW	(0.8010)
Retail Transmission Rate - Network Service Rate	\$/kW	2.5066
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.2787

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

Algoma Power 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-2018-0017

SEASONAL CUSTOMERS SERVICE CLASSIFICATION

This classification includes all services supplied to single-family dwelling units for domestic purposes, which are occupied on a seasonal/intermittent basis. A service is defined as Seasonal if occupancy is for a period of less than eight months of the year. Class B consumers are defined in accordance with O. Reg. 429. 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	\$	54.75
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.1494
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	(0.0078)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kWh	(0.0012)
Rate Rider for Disposition of Account 1574 - effective until June 30, 2019	\$/kWh	0.0307
Rate Rider for Disposition of Accounts 1575 & 1576 - effective until December 31, 2019	\$/kWh	(0.0019)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0060

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

Algoma Power 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-2018-0017

STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting. The consumption for these unmetered accounts will be based on the calculated connection load times the calculated hours of use established in the approved Ontario Energy Board street lighting load shape template. Class B consumers are defined in accordance with O. Reg. 429. 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)	\$	2.05
Distribution Volumetric Rate	\$/kWh	0.3310
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	(0.0078)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kWh	(0.0011)
Rate Rider for Disposition of Accounts 1575 & 1576 - effective until December 31, 2019	\$/kWh	(0.0019)
Retail Transmission Rate - Network Service Rate	\$/kW	1.8150
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6438

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

Algoma Power 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-2018-0017

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	\$	5.40
----------------	----	------

Algoma Power 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-2018-0017

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

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

Non-Payment of Account

Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge - no disconnection - during regular business hours	\$	30.00
Collection of account charge - no disconnection - after regular hours	\$	165.00
Disconnect/reconnect at meter - during regular hours	\$	65.00
Disconnect/reconnect at meter - after regular hours	\$	185.00
Disconnect/reconnect at pole - during regular hours	\$	185.00
Disconnect/reconnect at pole - after regular hours	\$	415.00
Install/remove load control device - during regular hours	\$	65.00
Install/remove load control device - after regular hours	\$	185.00

Other

Specific charge for access to the power poles - per pole/year (with the exception of wireless attachments)	\$	22.35
Service call - customer owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Temporary service install & remove - overhead - no transformer	\$	500.00
Temporary service install & remove - underground - no transformer	\$	300.00
Temporary service install & remove - overhead - with transformer	\$	1,000.00

Algoma Power 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-2018-0017

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 Algoma Power Inc. to retailers or customers related to the supply of competitive electricity and are defined in the 2006 Electricity Distribution Rate Handbook.

	\$	100.00
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer		
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

Algoma Power 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-2018-0017

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	1.0917
Total Loss Factor - Primary Metered Customer	1.0808



Appendix 8C

Algoma Power Inc.

2020 Cost of Service

EB-2019-0019

Algoma Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2019-0019

RESIDENTIAL R1 SERVICE CLASSIFICATION

For the purposes of rates and charges, a residential service is defined in two ways:

- i) a dwelling occupied as a residence continuously for at least eight months of the year and, where the residential premises is located on a farm, includes other farm premises associated with the residential electricity meter, and
- ii) consumers who are treated as residential-rate class customers under Ontario Regulation 445/07 (Reclassifying Certain Classes of Consumers as Residential-Rate Class Customers: Section 78 of the Ontario Energy Board Act, 1998) made under the Ontario Energy Board Act, 1998.

This application refers to a Residential service with a demand of less than, or is forecast to be less than, 50 kilowatts, and which is billed on an energy basis. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Condition 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 - Applicable only to customers that meet criteria (i) above	\$	47.17
Service Charge - Applicable only to customers that meet criteria (ii) above	\$	26.21
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.57
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$	(0.13)
Rate Rider for Partial Disposition of Interim Licence Deferral Account - effective until December 31, 2024 Applicable only for customers in the Township of Dubreuilville	\$	11.16
Distribution Volumetric Rate - Applicable only to customers that meet criteria (i) above	\$/kWh	0.0126
Distribution Volumetric Rate - Applicable only to customers that meet criteria (ii) above	\$/kWh	0.0369
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2023	\$/kWh	0.0008
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	\$/kWh	(0.0521)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kWh	(0.0010)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0079
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0067

MONTHLY RATES AND CHARGES - Regulatory Component

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

Algoma Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2019-0019

RESIDENTIAL R2 SERVICE CLASSIFICATION

This classification refers to a Residential service with a demand equal to or greater than, or is forecast to be equal to or greater than, 50 kilowatts, and which is billed on a demand basis. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

The rate rider for the disposition of 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	\$	674.59
Rate Rider for Partial Disposition of Interim Licence Deferral Account - effective until December 31, 2024 Applicable only for customers in the Township of Dubreuilville	\$	11.16
Distribution Volumetric Rate	\$/kW	3.4953
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kW	(0.0581)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2023	\$/kW	0.0030
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	\$/kWh	(0.0521)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kW	(0.5636)
Retail Transmission Rate - Network Service Rate	\$/kW	2.9917
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.5323

MONTHLY RATES AND CHARGES - Regulatory Component

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

Algoma Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2019-0019

SEASONAL CUSTOMERS SERVICE CLASSIFICATION

This classification includes all services supplied to single-family dwelling units for domestic purposes, which are occupied on a seasonal/intermittent basis. A service is defined as Seasonal if occupancy is for a period of less than eight months of the year. Class B consumers are defined in accordance with O. Reg. 429. 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	\$	58.75
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.57
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$	(0.02)
Distribution Volumetric Rate	\$/kWh	0.1703
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2023	\$/kWh	0.0025
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	\$/kWh	(0.0521)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kWh	(0.0012)
Rate Rider for Disposition of Account 1574 - effective until December 31, 2023	\$/kWh	0.0307
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0079
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0067

MONTHLY RATES AND CHARGES - Regulatory Component

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

Algoma Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2019-0019

STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting. The consumption for these unmetered accounts will be based on the calculated connection load times the calculated hours of use established in the approved Ontario Energy Board street lighting load shape template. Class B consumers are defined in accordance with O. Reg. 429. 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)	\$	1.37
Distribution Volumetric Rate	\$/kWh	0.3279
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kW	(0.0001)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2023	\$/kWh	0.0468
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	\$/kWh	(0.0521)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kWh	(0.0026)
Retail Transmission Rate - Network Service Rate	\$/kW	2.1663
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8267

MONTHLY RATES AND CHARGES - Regulatory Component

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

Algoma Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2019-0019

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40
----------------	----	------

Algoma Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2019-0019

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

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

Non-Payment of Account

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

Other

Specific charge for access to the power poles - per pole/year (with the exception of wireless attachments)	\$	43.63
Service call - customer owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Temporary service install & remove - overhead - no transformer	\$	500.00
Temporary service install & remove - underground - no transformer	\$	300.00
Temporary service install & remove - overhead - with transformer	\$	1,000.00

Algoma Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2019-0019

RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

	\$	100.00
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer		
Monthly fixed charge, per retailer	\$	40.00
Monthly variable charge, per customer, per retailer	\$/cust.	1.00
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.60
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.60)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.50
Processing fee, per request, applied to the requesting party	\$	1.00
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	4.00

Algoma Power Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2019-0019

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	1.0829
Total Loss Factor - Primary Metered Customer	1.0721



Appendix 8D

Algoma Power Inc.

2020 Cost of Service

EB-2019-0019



2019 RTSR Workform for Electricity Distributors

Drop-down lists are shaded blue; Input cells are shaded green.

Utility Name	Algoma Power Inc.
Service Territory	Algoma Region
Assigned EB Number	EB 2019-0019
Name and Title	
Phone Number	
Email Address	
Date	
Last COS Re-based Year	2015

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

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



2019 RTSR Workform for Electricity Distributors

[1. Info](#)

[2. Table of Contents](#)

[3. Rate Classes](#)

[4. RRR Data](#)

[5. UTRs and Sub-Transmission](#)

[6. Historical Wholesale](#)

[7. Current Wholesale](#)

[8. Forecast Wholesale](#)

[9. RTSR Rates to Forecast](#)

2019 RTSR Workform for Electricity Distributors

1. Select the appropriate rate classes that appear on your most recent Board-Approved Tariff of Rates and Charges.
2. Enter the RTS Network and Connection Rate as it appears on the Tariff of Rates and Charges

[illegible]

2019 RTSR Workform for Electricity Distributors

Rate Class	Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor <i>ex: 1.0325</i>	Loss Adjusted Billed kWh
Residential – High Density [R1]	RTSR - Network	kWh	0.0066	103,931,742		1.0829	112,547,683
Residential – High Density [R1]	RTSR - Connection	kWh	0.0060	103,931,742		1.0829	112,547,683
General Service 50 to 4,999 kW	RTSR - Network	kW	2.5066	85,867,987	196,648		
General Service 50 to 4,999 kW	RTSR - Connection	kW	2.2787	85,867,987	196,648		
Seasonal Residential – Normal Density [R4]	RTSR - Network	kWh	0.0066	5,439,365		1.0829	5,890,288
Seasonal Residential – Normal Density [R4]	RTSR - Connection	kWh	0.0060	5,439,365		1.0829	5,890,288
Street Lighting	RTSR - Network	kW	1.8150	595,435	1,655		
Street Lighting	RTSR - Connection	kW	1.6438	595,435	1,655		

2019 RTSR Workform for Electricity Distributors

Uniform Transmission Rates		Unit	2017	2018	2019
Rate Description			Rate	Rate	Rate
Network Service Rate	kW	\$	3.66	\$ 3.61	\$ 3.71
Line Connection Service Rate	kW	\$	0.87	\$ 0.95	\$ 0.94
Transformation Connection Service Rate	kW	\$	2.02	\$ 2.34	\$ 2.25

Hydro One Sub-Transmission Rates		Unit	2017	2018	2019
Rate Description			Rate	Rate	Rate
Network Service Rate	kW	\$	3.1942	\$ 3.1942	
Line Connection Service Rate	kW	\$	0.7710	\$ 0.7710	
Transformation Connection Service Rate	kW	\$	1.7493	\$ 1.7493	
Both Line and Transformation Connection Service Rate	kW	\$	2.5203	\$ 2.5203	\$ -

If needed, add extra host here. (I)		Unit	2017	2018	2019
Rate Description			Rate	Rate	Rate
Network Service Rate	kW				
Line Connection Service Rate	kW				
Transformation Connection Service Rate	kW				
Both Line and Transformation Connection Service Rate	kW	\$	-	\$ -	\$ -

If needed, add extra host here. (II)		Unit	Effective January 1, 2017	Effective January 1, 2018	Effective January 1, 2019
Rate Description			Rate	Rate	Rate
Network Service Rate	kW				
Line Connection Service Rate	kW				
Transformation Connection Service Rate	kW				
Both Line and Transformation Connection Service Rate	kW	\$	-	\$ -	\$ -

Low Voltage Switchgear Credit (if applicable, enter as a negative value)			Historical 2017	Current 2018	Forecast 2019
	\$				



2019 RTSR Workform for Electricity Distributors

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Sheet "4. RRR Data".
For Hydro One Sub-transmission Rates, if you are charged a *combined* Line and Transformer connection rate, please ensure that both the line connection and transformer connection columns are completed.

IESO	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	42,655	\$3.61	153,985	20,951	\$0.95	19,903	45,847	\$2.34	107,282	\$ 127,185
February	37,471	\$3.61	135,270	21,320	\$0.95	20,254	41,941	\$2.34	98,142	\$ 118,396
March	34,238	\$3.61	123,599	19,403	\$0.95	18,433	36,453	\$2.34	85,300	\$ 103,733
April	41,801	\$3.61	150,902	29,417	\$0.95	27,946	47,270	\$2.34	110,612	\$ 138,558
May	33,936	\$3.61	122,509	27,048	\$0.95	25,696	40,767	\$2.34	95,395	\$ 121,090
June	28,094	\$3.61	101,420	17,041	\$0.95	16,189	32,018	\$2.34	74,922	\$ 91,111
July	27,198	\$3.61	98,185	16,568	\$0.95	15,740	32,935	\$2.34	77,068	\$ 92,808
August	27,431	\$3.61	99,026	17,319	\$0.95	16,453	33,158	\$2.34	77,590	\$ 94,043
September	27,694	\$3.61	99,975	18,804	\$0.95	17,864	34,866	\$2.34	81,586	\$ 99,450
October	32,468	\$3.61	117,209	20,127	\$0.95	19,121	37,818	\$2.34	88,494	\$ 107,615
November	39,496	\$3.61	142,581	21,426	\$0.95	20,355	42,482	\$2.34	99,408	\$ 119,763
December	38,533	\$3.61	139,104	22,639	\$0.95	21,507	42,778	\$2.34	100,101	\$ 121,608
Total	411,015	\$ 3.61	1,483,765	252,063	\$ 0.95	239,460	468,333	\$ 2.34	1,095,900	\$ 1,335,359

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January		\$0.00			\$0.00			\$0.00		\$ -
February		\$0.00			\$0.00			\$0.00		\$ -
March		\$0.00			\$0.00			\$0.00		\$ -
April		\$0.00			\$0.00			\$0.00		\$ -
May		\$0.00			\$0.00			\$0.00		\$ -
June		\$0.00			\$0.00			\$0.00		\$ -
July		\$0.00			\$0.00			\$0.00		\$ -
August		\$0.00			\$0.00			\$0.00		\$ -
September		\$0.00			\$0.00			\$0.00		\$ -
October		\$0.00			\$0.00			\$0.00		\$ -
November		\$0.00			\$0.00			\$0.00		\$ -
December		\$0.00			\$0.00			\$0.00		\$ -
Total	-	\$ -	-	-	\$ -	-	-	\$ -	-	\$ -

Add Extra Host Here (I) (if needed)	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January		\$0.00			\$0.00			\$0.00		\$ -
February		\$0.00			\$0.00			\$0.00		\$ -
March		\$0.00			\$0.00			\$0.00		\$ -
April		\$0.00			\$0.00			\$0.00		\$ -
May		\$0.00			\$0.00			\$0.00		\$ -
June		\$0.00			\$0.00			\$0.00		\$ -
July		\$0.00			\$0.00			\$0.00		\$ -
August		\$0.00			\$0.00			\$0.00		\$ -
September		\$0.00			\$0.00			\$0.00		\$ -
October		\$0.00			\$0.00			\$0.00		\$ -
November		\$0.00			\$0.00			\$0.00		\$ -
December		\$0.00			\$0.00			\$0.00		\$ -
Total	-	\$ -	-	-	\$ -	-	-	\$ -	-	\$ -



2019 RTSR Workform for Electricity Distributors

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Sheet "4. RRR Data".
For Hydro One Sub-transmission Rates, if you are charged a *combined* Line and Transformer connection rate, please ensure that both the line connection and transformer connection columns are completed.

Add Extra Host Here (II) (if needed)	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January		\$0.00			\$0.00			\$0.00		\$ -
February		\$0.00			\$0.00			\$0.00		\$ -
March		\$0.00			\$0.00			\$0.00		\$ -
April		\$0.00			\$0.00			\$0.00		\$ -
May		\$0.00			\$0.00			\$0.00		\$ -
June		\$0.00			\$0.00			\$0.00		\$ -
July		\$0.00			\$0.00			\$0.00		\$ -
August		\$0.00			\$0.00			\$0.00		\$ -
September		\$0.00			\$0.00			\$0.00		\$ -
October		\$0.00			\$0.00			\$0.00		\$ -
November		\$0.00			\$0.00			\$0.00		\$ -
December		\$0.00			\$0.00			\$0.00		\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Total	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	42,655	\$3.61	\$ 153,985	20,951	\$0.95	\$ 19,903	45,847	\$2.34	\$ 107,282	\$ 127,185
February	37,471	\$3.61	\$ 135,270	21,320	\$0.95	\$ 20,254	41,941	\$2.34	\$ 98,142	\$ 118,396
March	34,238	\$3.61	\$ 123,599	19,403	\$0.95	\$ 18,433	36,453	\$2.34	\$ 85,300	\$ 103,733
April	41,801	\$3.61	\$ 150,902	29,417	\$0.95	\$ 27,946	47,270	\$2.34	\$ 110,612	\$ 138,558
May	33,936	\$3.61	\$ 122,509	27,048	\$0.95	\$ 25,696	40,767	\$2.34	\$ 95,395	\$ 121,090
June	28,094	\$3.61	\$ 101,420	17,041	\$0.95	\$ 16,189	32,018	\$2.34	\$ 74,922	\$ 91,111
July	27,198	\$3.61	\$ 98,185	16,568	\$0.95	\$ 15,740	32,935	\$2.34	\$ 77,068	\$ 92,808
August	27,431	\$3.61	\$ 99,026	17,319	\$0.95	\$ 16,453	33,158	\$2.34	\$ 77,590	\$ 94,043
September	27,694	\$3.61	\$ 99,975	18,804	\$0.95	\$ 17,864	34,866	\$2.34	\$ 81,586	\$ 99,450
October	32,468	\$3.61	\$ 117,209	20,127	\$0.95	\$ 19,121	37,818	\$2.34	\$ 88,494	\$ 107,615
November	39,496	\$3.61	\$ 142,581	21,426	\$0.95	\$ 20,355	42,482	\$2.34	\$ 99,408	\$ 119,763
December	38,533	\$3.61	\$ 139,104	22,639	\$0.95	\$ 21,507	42,778	\$2.34	\$ 100,101	\$ 121,608
Total	411,015	\$ 3.61	\$ 1,483,765	252,063	\$ 0.95	\$ 239,460	468,333	\$ 2.34	\$ 1,095,900	\$ 1,335,359

Low Voltage Switchgear Credit (if applicable)	\$ -
Total including deduction for Low Voltage Switchgear Credit	\$ 1,335,359



2019 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when current 2018 Uniform Transmission Rates are applied against historical 2017 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	42,655	\$ 3.6100	\$ 153,985	20,951	\$ 0.9500	\$ 19,903	45,847	\$ 2.3400	\$ 107,282	\$ 127,185
February	37,471	\$ 3.6100	\$ 135,270	21,320	\$ 0.9500	\$ 20,254	41,941	\$ 2.3400	\$ 98,142	\$ 118,396
March	34,238	\$ 3.6100	\$ 123,599	19,403	\$ 0.9500	\$ 18,433	36,453	\$ 2.3400	\$ 85,300	\$ 103,733
April	41,801	\$ 3.6100	\$ 150,902	29,417	\$ 0.9500	\$ 27,946	47,270	\$ 2.3400	\$ 110,612	\$ 138,558
May	33,936	\$ 3.6100	\$ 122,509	27,048	\$ 0.9500	\$ 25,696	40,767	\$ 2.3400	\$ 95,395	\$ 121,090
June	28,094	\$ 3.6100	\$ 101,420	17,041	\$ 0.9500	\$ 16,189	32,018	\$ 2.3400	\$ 74,922	\$ 91,111
July	27,198	\$ 3.6100	\$ 98,185	16,568	\$ 0.9500	\$ 15,740	32,935	\$ 2.3400	\$ 77,068	\$ 92,808
August	27,431	\$ 3.6100	\$ 99,026	17,319	\$ 0.9500	\$ 16,453	33,158	\$ 2.3400	\$ 77,590	\$ 94,043
September	27,694	\$ 3.6100	\$ 99,975	18,804	\$ 0.9500	\$ 17,864	34,866	\$ 2.3400	\$ 81,586	\$ 99,450
October	32,468	\$ 3.6100	\$ 117,209	20,127	\$ 0.9500	\$ 19,121	37,818	\$ 2.3400	\$ 88,494	\$ 107,615
November	39,496	\$ 3.6100	\$ 142,581	21,426	\$ 0.9500	\$ 20,355	42,482	\$ 2.3400	\$ 99,408	\$ 119,763
December	38,533	\$ 3.6100	\$ 139,104	22,639	\$ 0.9500	\$ 21,507	42,778	\$ 2.3400	\$ 100,101	\$ 121,608
Total	411,015	\$ 3.61	\$ 1,483,765	252,063	\$ 0.95	\$ 239,460	468,333	\$ 2.34	\$ 1,095,900	\$ 1,335,359

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
February	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
March	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
April	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
May	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
June	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
July	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
August	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
September	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
October	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
November	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
December	-	\$ 3.1942	\$ -	-	\$ 0.7710	\$ -	-	\$ 1.7493	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

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

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

Total	Network			Line Connection			Transformation Connection			Total Line
-------	---------	--	--	-----------------	--	--	---------------------------	--	--	------------

2019 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when current 2018 Uniform Transmission Rates are applied against historical 2017 transmission units.

Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	42,655	\$3.61	\$ 153,985	20,951	\$0.95	\$ 19,903	45,847	\$2.34	\$ 107,282	\$ 127,185
February	37,471	\$3.61	\$ 135,270	21,320	\$0.95	\$ 20,254	41,941	\$2.34	\$ 98,142	\$ 118,396
March	34,238	\$3.61	\$ 123,599	19,403	\$0.95	\$ 18,433	36,453	\$2.34	\$ 85,300	\$ 103,733
April	41,801	\$3.61	\$ 150,902	29,417	\$0.95	\$ 27,946	47,270	\$2.34	\$ 110,612	\$ 138,558
May	33,936	\$3.61	\$ 122,509	27,048	\$0.95	\$ 25,696	40,767	\$2.34	\$ 95,395	\$ 121,090
June	28,094	\$3.61	\$ 101,420	17,041	\$0.95	\$ 16,189	32,018	\$2.34	\$ 74,922	\$ 91,111
July	27,198	\$3.61	\$ 98,185	16,568	\$0.95	\$ 15,740	32,935	\$2.34	\$ 77,068	\$ 92,808
August	27,431	\$3.61	\$ 99,026	17,319	\$0.95	\$ 16,453	33,158	\$2.34	\$ 77,590	\$ 94,043
September	27,694	\$3.61	\$ 99,975	18,804	\$0.95	\$ 17,864	34,866	\$2.34	\$ 81,586	\$ 99,450
October	32,468	\$3.61	\$ 117,209	20,127	\$0.95	\$ 19,121	37,818	\$2.34	\$ 88,494	\$ 107,615
November	39,496	\$3.61	\$ 142,581	21,426	\$0.95	\$ 20,355	42,482	\$2.34	\$ 99,408	\$ 119,763
December	38,533	\$3.61	\$ 139,104	22,639	\$0.95	\$ 21,507	42,778	\$2.34	\$ 100,101	\$ 121,608
Total	411,015	\$ 3.61	\$ 1,483,765	252,063	\$ 0.95	\$ 239,460	468,333	\$ 2.34	\$ 1,095,900	\$ 1,335,359

Low Voltage Switchgear Credit (if applicable)	\$	-
--	-----------	----------

Total including deduction for Low Voltage Switchgear Credit	\$ 1,335,359
--	---------------------



2019 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when forecasted 2019 Uniform Transmission Rates are applied against historical 2017 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	42,655	\$ 3.7100	\$ 158,250	20,951	\$ 0.9400	\$ 19,694	45,847	\$ 2.2500	\$ 103,156	\$ 122,850
February	37,471	\$ 3.7100	\$ 139,017	21,320	\$ 0.9400	\$ 20,041	41,941	\$ 2.2500	\$ 94,367	\$ 114,408
March	34,238	\$ 3.7100	\$ 127,023	19,403	\$ 0.9400	\$ 18,239	36,453	\$ 2.2500	\$ 82,019	\$ 100,258
April	41,801	\$ 3.7100	\$ 155,082	29,417	\$ 0.9400	\$ 27,652	47,270	\$ 2.2500	\$ 106,358	\$ 134,009
May	33,936	\$ 3.7100	\$ 125,903	27,048	\$ 0.9400	\$ 25,425	40,767	\$ 2.2500	\$ 91,726	\$ 117,151
June	28,094	\$ 3.7100	\$ 104,230	17,041	\$ 0.9400	\$ 16,018	32,018	\$ 2.2500	\$ 72,041	\$ 88,059
July	27,198	\$ 3.7100	\$ 100,905	16,568	\$ 0.9400	\$ 15,574	32,935	\$ 2.2500	\$ 74,104	\$ 89,678
August	27,431	\$ 3.7100	\$ 101,769	17,319	\$ 0.9400	\$ 16,280	33,158	\$ 2.2500	\$ 74,606	\$ 90,885
September	27,694	\$ 3.7100	\$ 102,745	18,804	\$ 0.9400	\$ 17,676	34,866	\$ 2.2500	\$ 78,449	\$ 96,124
October	32,468	\$ 3.7100	\$ 120,456	20,127	\$ 0.9400	\$ 18,919	37,818	\$ 2.2500	\$ 85,091	\$ 104,010
November	39,496	\$ 3.7100	\$ 146,530	21,426	\$ 0.9400	\$ 20,140	42,482	\$ 2.2500	\$ 95,585	\$ 115,725
December	38,533	\$ 3.7100	\$ 142,957	22,639	\$ 0.9400	\$ 21,281	42,778	\$ 2.2500	\$ 96,251	\$ 117,531
Total	411,015	\$ 3.71	\$ 1,524,867	252,063	\$ 0.94	\$ 236,939	468,333	\$ 2.25	\$ 1,053,750	\$ 1,290,689

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

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

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

Total	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

2019 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when forecasted 2019 Uniform Transmission Rates are applied against historical 2017 transmission units.

[illegible]

2019 RTSR Workform for Electricity Distributors

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

Rate Class	Rate Description	Unit	Current RTSR- Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
Residential – High Density [R1]	RTSR - Network	kWh	0.0066	112,547,683		742,815	58.1%	862,674	0.0077
General Service 50 to 4,999 kW	RTSR - Network	kW	2.5066		196,648	492,918	38.6%	572,454	2.9111
Seasonal Residential – Normal Density [R4]	RTSR - Network	kWh	0.0066	5,890,288		38,876	3.0%	45,149	0.0077
Street Lighting	RTSR - Network	kW	1.8150		1,655	3,004	0.2%	3,489	2.1079

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

Rate Class	Rate Description	Unit	Current RTSR- Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR- Connection
Residential – High Density [R1]	RTSR - Connection	kWh	0.0060	112,547,683		675,286	58.1%	776,400	0.0069
General Service 50 to 4,999 kW	RTSR - Connection	kW	2.2787		196,648	448,102	38.6%	515,198	2.6199
Seasonal Residential – Normal Density [R4]	RTSR - Connection	kWh	0.0060	5,890,288		35,342	3.0%	40,634	0.0069
Street Lighting	RTSR - Connection	kW	1.6438		1,655	2,720	0.2%	3,128	1.8899

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

Rate Class	Rate Description	Unit	Adjusted RTSR- Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Proposed RTSR- Network
Residential – High Density [R1]	RTSR - Network	kWh	0.0077	112,547,683		862,674	58.1%	886,571	0.0079
General Service 50 to 4,999 kW	RTSR - Network	kW	2.9111		196,648	572,454	38.6%	588,312	2.9917
Seasonal Residential – Normal Density [R4]	RTSR - Network	kWh	0.0077	5,890,288		45,149	3.0%	46,399	0.0079
Street Lighting	RTSR - Network	kW	2.1079		1,655	3,489	0.2%	3,585	2.1663

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

Rate Class	Rate Description	Unit	Adjusted RTSR- Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Proposed RTSR- Connection
Residential – High Density [R1]	RTSR - Connection	kWh	0.0069	112,547,683		776,400	58.1%	750,427	0.0067
General Service 50 to 4,999 kW	RTSR - Connection	kW	2.6199		196,648	515,198	38.6%	497,964	2.5323
Seasonal Residential – Normal Density [R4]	RTSR - Connection	kWh	0.0069	5,890,288		40,634	3.0%	39,274	0.0067
Street Lighting	RTSR - Connection	kW	1.8899		1,655	3,128	0.2%	3,023	1.8267



Appendix 8E

Algoma Power Inc.

2020 Cost of Service

EB-2019-0019

**Algoma Power Inc.
2020 Cost of Service Rate Application**

**Bill Impact Model (Non-OEB)
Initial Application
EB-2019-0019**

17-May-19

	UOM	Current Approved Rates	Proposed Rates	Application Reference
Monthly Rates and Charges				
Residential - R1				
Monthly Service Charge	\$	42.23	47.17	8.2.6 (Table 4)
Monthly Service Charge - General Service	\$	25.64	26.21	8.2.6 (Table 4)
DRP Adjustment	\$	36.86	37.30	8.3.13
Total Fixed Rate Riders	\$	-	0.13	9.7.2
Distribution Volumetric Rate	\$/kWh	0.0172	0.0126	8.2.6 (Table 4)
Distribution Volumetric Rate - General Service	\$/kWh	0.0361	0.0369	8.2.6 (Table 4)
Total Deferral/Variance Account Rate Riders (Group 1, excl GA)	\$/kWh	(0.0011)	(0.0010)	9.7.2
GA Rate Riders	\$/kWh	(0.0078)	(0.0521)	9.7.2
Rate Rider for the Disposition of Account 1575 & 1576 - effective until December 31, 2019; Rate Rider for Disposition of LRAMVA - effective Jan 1, 2020 until December 31, 2024	\$/kWh	(0.0019)	0.0008	9.7.2
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066	0.0079	8.3.1
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0060	0.0067	8.3.1
Wholesale Market Service Rate (Incl CBR)	\$/kWh	0.0034	0.0034	8.3.3
Rural Rate Protection Charge	\$/kWh	0.0005	0.0005	8.3.4
Smart Meter Entity Charge	\$	0.57	0.57	8.3.9
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25	0.25	8.3.5
Residential - R2				
Monthly Service Charge	\$	659.94	674.59	8.2.6 (Table 4)
Distribution Volumetric Rate	\$/kW	3.4194	3.4953	8.2.6 (Table 4)
Total Deferral/Variance Account Rate Riders (Group 1, excl GA)	\$/kW	(0.4880)	(0.5636)	9.7.2
GA Rate Riders	\$/kWh	(0.0078)	(0.0521)	9.7.2
Rate Rider for the Disposition of Account 1575 & 1576 - effective until December 31, 2019; Rate Rider for Disposition of LRAMVA - effective Jan 1, 2020 until December 31, 2024	\$/kW	(0.8010)	0.0030	9.7.2
Rate Rider for Group 2 Accounts	\$/kW	-	(0.0581)	9.7.2
Retail Transmission Rate - Network Service Rate	\$/kW	2.5066	2.9917	8.3.1
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.2787	2.5323	8.3.1
Wholesale Market Service Rate (Incl CBR)	\$/kWh	0.0034	0.0034	8.3.3
Rural Rate Protection Charge	\$/kWh	0.0005	0.0005	8.3.4
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25	0.25	8.3.5
Seasonal				
Monthly Service Charge	\$	54.75	58.75	8.2.6 (Table 4)
Total Fixed Rate Riders	\$	-	0.02	9.7.2
Distribution Volumetric Rate	\$/kWh	0.1494	0.1703	
Total Deferral/Variance Account Rate Riders (Group 1, excl GA)	\$/kWh	(0.0012)	(0.0012)	9.7.2
GA Rate Riders	\$/kWh	(0.0078)	(0.0521)	9.7.2
Rate Rider for the Disposition of Account 1574 - effective until June 30, 2019	\$/kWh	0.0307	0.0307	9.11.3
Rate Rider for the Disposition of Account 1575 & 1576 - effective until December 31, 2019; Rate Rider for Disposition of LRAMVA - effective Jan 1, 2020 until December 31, 2024	\$/kWh	(0.0019)	0.0025	9.7.2
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066	0.0079	8.3.1
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0060	0.0067	8.3.1
Wholesale Market Service Rate (Incl CBR)	\$/kWh	0.0034	0.0034	8.3.3
Rural Rate Protection Charge	\$/kWh	0.0005	0.0005	8.3.4
Smart Meter Entity Charge	\$	0.57	0.57	8.3.9
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25	0.25	8.3.5

Street Lighting

Monthly Service Charge	\$	2.05	1.37	8.2.6 (Table 4)
Distribution Volumetric Rate	\$/kWh	0.3310	0.3279	8.2.6 (Table 4)
Total Deferral/Variance Account Rate Riders (Group 1, excl GA)	\$/kWh	(0.0011)	(0.0026)	9.7.2
GA Rate Riders	\$/kWh	(0.0078)	(0.0521)	9.7.2
Rate Rider for the Disposition of Account 1575 & 1576 - effective until December 31, 2019;				
Rate Rider for Disposition of LRAMVA - effective Jan 1, 2020 until December 31, 2024	\$/kWh	(0.0019)	0.0468	9.7.2
Rate Rider for Group 2 Accounts	\$/kWh	-	(0.0001)	9.7.2
Retail Transmission Rate - Network Service Rate	\$/kW	1.8150	1.8150	8.3.1
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6438	1.6438	8.3.1
Wholesale Market Service Rate (Incl CBR)	\$/kWh	0.0034	0.0034	8.3.3
Rural Rate Protection Charge	\$/kWh	0.0005	0.0005	8.3.4
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25	0.25	8.3.5

Loss Factor

Total Loss Factor	%	0.0917	0.0829	8.3.10
-------------------	---	--------	--------	--------

TOU

TOU - Off Peak	\$/kWh	0.0650	0.0650	
TOU - Mid Peak	\$/kWh	0.0940	0.0940	From OEB Bill
TOU - On Peak	\$/kWh	0.1340	0.1340	Impact Model
Weighted-Averages Energy Price RPP-TOU	\$/kWh	0.0824	0.0824	
				From OEB Bill
Energy Price Non - RPP	\$/kWh	0.1101	0.1101	Impact Model

Distribution Charge and Total Bill Impacts
Algoma Power Inc. 2020

Customer Classification and Billing Type	Energy kWh	Demand kW	Monthly Distribution Charge (Sub-Total A)			
			Current	Per Application	Change	
					\$	%
Residential - R1(i) (RPP)	269	-	\$ 36.35	\$ 37.38	\$ 1.03	2.8%
Residential - R1(i) (RPP)	750	-	\$ 35.44	\$ 37.77	\$ 2.33	6.6%
Residential - R1(i) (Retailer)	750	-	\$ 35.44	\$ 37.77	\$ 2.33	6.6%
Residential - R1(ii) (RPP)	2,000	-	\$ 94.04	\$ 101.48	\$ 7.44	7.9%
Residential - R1(ii) (Retailer)	2,000	-	\$ 94.04	\$ 101.48	\$ 7.44	7.9%
Residential - R2 (non-RPP)	90,000	225	\$ 1,249.08	\$ 1,448.64	\$ 199.56	16.0%
Residential - R2 (Class A)	2,500,000	5000	\$ 13,751.94	\$ 17,875.59	\$ 4,123.65	30.0%
Seasonal (RPP)	50	-	\$ 63.66	\$ 68.91	\$ 5.25	8.2%
Seasonal (RPP)	153	-	\$ 82.01	\$ 89.87	\$ 7.85	9.6%
Seasonal (RPP)	750	-	\$ 188.40	\$ 211.36	\$ 22.96	12.2%
Seasonal (Retailer)	750	-	\$ 188.40	\$ 211.36	\$ 22.96	12.2%
Street Lighting (non-RPP)	3,308	9	\$ 1,240.35	\$ 1,340.55	\$ 100.19	8.1%
Customer Classification and Billing Type	Energy kWh	Demand kW	Total Bill			
			Current	Per Application	Change	
					\$	%
Residential - R1(i) (RPP)	269	-	\$ 69.20	\$ 70.67	\$ 1.48	2.1%
Residential - R1(i) (RPP)	750	-	\$ 122.18	\$ 125.73	\$ 3.55	2.9%
Residential - R1(i) (Retailer)	750	-	\$ 139.90	\$ 108.37	-\$ 31.53	-22.5%
Residential - R1(ii) (RPP)	2,000	-	\$ 323.91	\$ 334.66	\$ 10.74	3.3%
Residential - R1(ii) (Retailer)	2,000	-	\$ 371.15	\$ 288.35	-\$ 82.80	-22.3%
Residential - R2 (non-RPP)	90,000	225	\$ 14,479.59	\$ 10,271.21	-\$ 4,208.38	-29.1%
Residential - R2 (Class A)	2,500,000	5000	\$ 393,880.99	\$ 399,561.26	\$ 5,680.27	1.4%
Seasonal (RPP)	50	-	\$ 73.31	\$ 78.88	\$ 5.58	7.6%
Seasonal (RPP)	153	-	\$ 104.12	\$ 112.57	\$ 8.45	8.1%
Seasonal (RPP)	750	-	\$ 284.72	\$ 309.65	\$ 24.93	8.8%
Seasonal (Retailer)	750	-	\$ 298.43	\$ 201.97	-\$ 96.46	-32.3%
Street Lighting (non-RPP)	3,308	9	\$ 1,740.45	\$ 1,682.79	-\$ 57.66	-3.3%

Customer Classification and Billing Type	Energy kWh	Demand kW	Sub-Total								Total	
			Base Distribution		A		B		C		Total Bill	
			\$	%	\$	%	\$	%	\$	%	\$	%
Residential - R1(i) (RPP)	269	-	\$ 0.44	1.2%	\$ 1.03	2.8%	\$ 0.86	2.2%	\$ 1.42	3.3%	\$ 1.48	2.1%
Residential - R1(i) (RPP)	750	-	\$ 0.44	1.2%	\$ 2.33	6.6%	\$ 1.86	4.6%	\$ 3.40	6.7%	\$ 3.55	2.9%
Residential - R1(i) (Retailer)	750	-	\$ 0.44	1.2%	\$ 2.33	6.6%	-\$ 31.55	-85.5%	-\$ 30.01	-63.5%	-\$ 31.53	-22.5%
Residential - R1(ii) (RPP)	2,000	-	\$ 2.17	2.2%	\$ 7.44	7.9%	\$ 6.19	5.8%	\$ 10.30	7.6%	\$ 10.74	3.3%
Residential - R1(ii) (Retailer)	2,000	-	\$ 2.17	2.2%	\$ 7.44	7.9%	-\$ 82.90	-85.5%	-\$ 78.79	-63.3%	-\$ 82.80	-22.3%
Residential - R2 (non-RPP)	90,000	225	\$ 31.73	2.2%	\$ 199.56	16.0%	-\$ 3,804.46	-870.0%	-\$ 3,633.94	-225.3%	-\$ 4,208.38	-29.1%
Residential - R2 (Class A)	2,500,000	5,000	\$ 394.15	2.2%	\$ 4,123.65	30.0%	\$ 3,745.65	33.1%	\$ 7,534.79	20.1%	\$ 5,680.27	1.4%
Seasonal (RPP)	50	-	\$ 5.05	8.1%	\$ 5.25	8.2%	\$ 5.21	8.1%	\$ 5.31	8.1%	\$ 5.58	7.6%
Seasonal (RPP)	153	-	\$ 7.20	9.3%	\$ 7.85	9.6%	\$ 7.74	9.3%	\$ 8.05	9.4%	\$ 8.45	8.1%
Seasonal (RPP)	750	-	\$ 19.68	11.8%	\$ 22.96	12.2%	\$ 22.23	11.4%	\$ 23.77	11.5%	\$ 24.93	8.8%
Seasonal (Retailer)	750	-	\$ 19.68	11.8%	\$ 22.96	12.2%	-\$ 10.81	-5.8%	-\$ 9.27	-4.7%	-\$ 96.46	-32.3%
Street Lighting (non-RPP)	3,308	9	-\$ 60.57	-4.9%	\$ 100.19	8.1%	-\$ 54.52	-4.4%	-\$ 54.80	-4.3%	-\$ 57.66	-3.3%

Appendix 2-W Bill Impacts

Customer Class: **Residential - R1 [RPP]**

TOU / non-TOU: **TOU**

Consumption **750** kWh

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 42.2300	1	\$ 42.23	\$ 47.1700	1	\$ 47.17	\$ 4.94	11.70%
Distribution Volumetric Rate	per kWh	\$ 0.0172	750	\$ 12.90	\$ 0.0126	750	\$ 9.45	-\$ 3.45	-26.74%
DRP Adjustment	Monthly		1	\$ 18.27		1	\$ 19.32	-\$ 1.05	5.77%
Fixed Rate Riders	Monthly	\$ -	1	\$ -	-\$ 0.1300	1	\$ 0.13	-\$ 0.13	
Volumetric Rate Riders	per kWh	-\$ 0.0019	750	-\$ 1.43	\$ 0.0008	750	\$ 0.60	\$ 2.03	-142.11%
Sub-Total A (excluding pass through)				\$ 35.44			\$ 37.77	\$ 2.33	6.58%
Line Losses on Cost of Power	per kWh	\$ 0.0824	68.775	\$ 5.66	\$ 0.0824	62.175	\$ 5.12	-\$ 0.54	-9.60%
Total Deferral/Variance Account Rate Riders (Group 1, excl GA)	per kWh	-\$ 0.0011	750	-\$ 0.83	-\$ 0.0010	750	-\$ 0.75	\$ 0.08	-9.09%
Low Voltage Service Charge			750	\$ -		750	\$ -	\$ -	
Smart Meter Entity Charge	Monthly	\$ 0.5700	1	\$ 0.57	\$ 0.5700	1	\$ 0.57	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)				\$ 40.84			\$ 42.71	\$ 1.86	4.56%
RTSR - Network	per kWh	\$ 0.0066	819	\$ 5.40	\$ 0.0079	812	\$ 6.42	\$ 1.01	18.73%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0060	819	\$ 4.91	\$ 0.0067	812	\$ 5.44	\$ 0.53	10.77%
Sub-Total C - Delivery (including Sub-Total B)				\$ 51.16			\$ 54.56	\$ 3.40	6.65%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0034	819	\$ 2.78	\$ 0.0034	812	\$ 2.76	-\$ 0.02	-0.81%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0005	819	\$ 0.41	\$ 0.0005	812	\$ 0.41	-\$ 0.00	-0.81%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0650	488	\$ 31.69	\$ 0.0650	488	\$ 31.69	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.0940	128	\$ 11.99	\$ 0.0940	128	\$ 11.99	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1340	135	\$ 18.09	\$ 0.1340	135	\$ 18.09	\$ -	0.00%
Total Bill on TOU (before Taxes)				\$ 116.37			\$ 119.74	\$ 3.38	2.90%
HST		13%		\$ 15.13	13%		\$ 15.57	\$ 0.44	2.90%
8% Rebate		8%		-\$ 9.31	8%		-\$ 9.58	-\$ 0.27	2.90%
Total Bill (including HST)				\$ 122.18			\$ 125.73	\$ 3.55	2.90%

Loss Factor (%)

9.17%

8.29%

Appendix 2-W Bill Impacts

Customer Class: **Residential - R1 [Non-RPP - Retailer]**

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

Consumption **750** kWh

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 42.2300	1	\$ 42.23	\$ 47.1700	1	\$ 47.17	\$ 4.94	11.70%
Distribution Volumetric Rate	per kWh	\$ 0.0172	750	\$ 12.90	\$ 0.0126	750	\$ 9.45	-\$ 3.45	-26.74%
DRP Adjustment	Monthly		1	\$ 18.27		1	\$ 19.32	-\$ 1.05	5.77%
Fixed Rate Riders	Monthly	\$ -	1	\$ -	-\$ 0.1300	1	\$ 0.13	-\$ 0.13	
Volumetric Rate Riders	per kWh	-\$ 0.0019	750	-\$ 1.43	\$ 0.0008	750	\$ 0.60	\$ 2.03	-142.11%
Sub-Total A (excluding pass through)				\$ 35.44			\$ 37.77	\$ 2.33	6.58%
Line Losses on Cost of Power	per kWh	\$ 0.1101	68.775	\$ 7.57	\$ 0.1101	62.175	\$ 6.85	-\$ 0.73	-9.60%
Total Deferral/Variance Account Rate Riders (Group 1, excl GA)	per kWh	-\$ 0.0011	750	-\$ 0.83	-\$ 0.0010	750	-\$ 0.75	\$ 0.08	-9.09%
GA Rate Riders	per kWh	-\$ 0.0078	750	-\$ 5.85	-\$ 0.0521	750	-\$ 39.08	-\$ 33.23	567.95%
Low Voltage Service Charge			750	\$ -		750	\$ -	\$ -	
Smart Meter Entity Charge	Monthly	\$ 0.5700	1	\$ 0.57	\$ 0.5700	1	\$ 0.57	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)				\$ 36.90			\$ 5.36	-\$ 31.55	-85.49%
RTSR - Network	per kWh	\$ 0.0066	819	\$ 5.40	\$ 0.0079	812	\$ 6.42	\$ 1.01	18.73%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0060	819	\$ 4.91	\$ 0.0067	812	\$ 5.44	\$ 0.53	10.77%
Sub-Total C - Delivery (including Sub-Total B)				\$ 47.22			\$ 17.21	-\$ 30.01	-63.55%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0034	819	\$ 2.78	\$ 0.0034	812	\$ 2.76	-\$ 0.02	-0.81%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0005	819	\$ 0.41	\$ 0.0005	812	\$ 0.41	-\$ 0.00	-0.81%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Non-RPP Average Price	per kWh	\$ 0.1101	750	\$ 82.58	\$ 0.1101	750	\$ 82.58	\$ -	0.00%
Total Bill on TOU (before Taxes)				\$ 133.24			\$ 103.21	-\$ 30.03	-22.54%
HST		13%		\$ 17.32	13%		\$ 13.42	-\$ 3.90	-22.54%
8% Rebate		8%		-\$ 10.66	8%		-\$ 8.26	\$ 2.40	-22.54%
Total Bill (including HST)				\$ 139.90			\$ 108.37	-\$ 31.53	-22.54%

Loss Factor (%)

9.17%

8.29%

Appendix 2-W Bill Impacts

Customer Class: **Residential - R1 [RPP]**

TOU / non-TOU: **TOU**

Consumption **269** kWh

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 42.2300	1	\$ 42.23	\$ 47.1700	1	\$ 47.17	\$ 4.94	11.70%
Distribution Volumetric Rate	per kWh	\$ 0.0172	269	\$ 4.63	\$ 0.0126	269	\$ 3.39	-\$ 1.24	-26.74%
DRP Adjustment	Monthly		1	-\$ 10.00		1	-\$ 13.26	-\$ 3.27	32.69%
Fixed Rate Riders	Monthly	\$ -	1	\$ -	-\$ 0.1300	1	-\$ 0.13	-\$ 0.13	
Volumetric Rate Riders	per kWh	-\$ 0.0019	269	-\$ 0.51	\$ 0.0008	269	\$ 0.22	\$ 0.73	-142.11%
Sub-Total A (excluding pass through)				\$ 36.35			\$ 37.38	\$ 1.03	2.84%
Line Losses on Cost of Power	per kWh	\$ 0.0824	24.6673	\$ 2.03	\$ 0.0824	22.3001	\$ 1.84	-\$ 0.19	-9.60%
Total Deferral/Variance Account Rate Riders (Group 1, excl GA)	per kWh	-\$ 0.0011	269	-\$ 0.30	-\$ 0.0010	269	-\$ 0.27	\$ 0.03	-9.09%
Low Voltage Service Charge			269	\$ -		269	\$ -	\$ -	
Smart Meter Entity Charge	Monthly	\$ 0.5700	1	\$ 0.57	\$ 0.5700	1	\$ 0.57	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)				\$ 38.65			\$ 39.52	\$ 0.86	2.23%
RTSR - Network	per kWh	\$ 0.0066	294	\$ 1.94	\$ 0.0079	291	\$ 2.30	\$ 0.36	18.73%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0060	294	\$ 1.76	\$ 0.0067	291	\$ 1.95	\$ 0.19	10.77%
Sub-Total C - Delivery (including Sub-Total B)				\$ 42.35			\$ 43.77	\$ 1.42	3.34%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0034	294	\$ 1.00	\$ 0.0034	291	\$ 0.99	-\$ 0.01	-0.81%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0005	294	\$ 0.15	\$ 0.0005	291	\$ 0.15	-\$ 0.00	-0.81%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0650	175	\$ 11.37	\$ 0.0650	175	\$ 11.37	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.0940	46	\$ 4.30	\$ 0.0940	46	\$ 4.30	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1340	48	\$ 6.49	\$ 0.1340	48	\$ 6.49	\$ -	0.00%
Total Bill on TOU (before Taxes)				\$ 65.90			\$ 67.31	\$ 1.41	2.13%
HST		13%		\$ 8.57	13%		\$ 8.75	\$ 0.18	2.13%
8% Rebate		8%		-\$ 5.27	8%		-\$ 5.38	-\$ 0.11	2.13%
Total Bill (including HST)				\$ 69.20			\$ 70.67	\$ 1.48	2.13%

Loss Factor (%)

9.17%

8.29%

Appendix 2-W Bill Impacts

Customer Class: **Residential - R1 (General Service) [RPP]**

TOU / non-TOU: **TOU**

Consumption **2,000** kWh

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 25.6400	1	\$ 25.64	\$ 26.2100	1	\$ 26.21	\$ 0.57	2.22%
Distribution Volumetric Rate	per kWh	\$ 0.0361	2000	\$ 72.20	\$ 0.0369	2000	\$ 73.80	\$ 1.60	2.22%
Fixed Rate Riders	Monthly	\$ -	1	\$ -	\$ 0.1300	1	\$ 0.13	-\$ 0.13	
Volumetric Rate Riders	per kWh	-\$ 0.0019	2000	-\$ 3.80	\$ 0.0008	2000	\$ 1.60	\$ 5.40	-142.11%
Sub-Total A (excluding pass through)				\$ 94.04			\$ 101.48	\$ 7.44	7.91%
Line Losses on Cost of Power	per kWh	\$ 0.0824	183.4	\$ 15.10	\$ 0.0824	165.8	\$ 13.65	-\$ 1.45	-9.60%
Total Deferral/Variance Account Rate Riders (Group 1, excl GA)	per kWh	-\$ 0.0011	2000	-\$ 2.20	-\$ 0.0010	2000	-\$ 2.00	\$ 0.20	-9.09%
Low Voltage Service Charge			2000	\$ -		2000	\$ -	\$ -	
Smart Meter Entity Charge	Monthly	\$ 0.5700	1	\$ 0.57	\$ 0.5700	1	\$ 0.57	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)				\$ 107.51			\$ 113.70	\$ 6.19	5.76%
RTSR - Network	per kWh	\$ 0.0066	2183	\$ 14.41	\$ 0.0079	2166	\$ 17.11	\$ 2.70	18.73%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0060	2183	\$ 13.10	\$ 0.0067	2166	\$ 14.51	\$ 1.41	10.77%
Sub-Total C - Delivery (including Sub-Total B)				\$ 135.02			\$ 145.32	\$ 10.30	7.63%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0034	2183	\$ 7.42	\$ 0.0034	2166	\$ 7.36	-\$ 0.06	-0.81%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0005	2183	\$ 1.09	\$ 0.0005	2166	\$ 1.08	-\$ 0.01	-0.81%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0650	1300	\$ 84.50	\$ 0.0650	1300	\$ 84.50	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.0940	340	\$ 31.96	\$ 0.0940	340	\$ 31.96	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1340	360	\$ 48.24	\$ 0.1340	360	\$ 48.24	\$ -	0.00%
Total Bill on TOU (before Taxes)				\$ 308.49			\$ 318.72	\$ 10.23	3.32%
HST		13%		\$ 40.10	13%		\$ 41.43	\$ 1.33	3.32%
8% Rebate		8%		-\$ 24.68	8%		-\$ 25.50	-\$ 0.82	3.32%
Total Bill (including HST)				\$ 323.91			\$ 334.66	\$ 10.74	3.32%

Loss Factor (%)

9.17%

8.29%

Appendix 2-W Bill Impacts

Customer Class: **Residential - R1 (General Service) [Non-RPP - Retailer]**

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

Consumption **2,000** kWh

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 25.6400	1	\$ 25.64	\$ 26.2100	1	\$ 26.21	\$ 0.57	2.22%
Distribution Volumetric Rate	per kWh	\$ 0.0361	2000	\$ 72.20	\$ 0.0369	2000	\$ 73.80	\$ 1.60	2.22%
Fixed Rate Riders	Monthly	\$ -	1	\$ -	\$ 0.1300	1	\$ 0.13	-\$ 0.13	
Volumetric Rate Riders	per kWh	-\$ 0.0019	2000	-\$ 3.80	\$ 0.0008	2000	\$ 1.60	\$ 5.40	-142.11%
Sub-Total A (excluding pass through)				\$ 94.04			\$ 101.48	\$ 7.44	7.91%
Line Losses on Cost of Power	per kWh	\$ 0.1101	183.4	\$ 20.19	\$ 0.1101	165.8	\$ 18.25	-\$ 1.94	-9.60%
Total Deferral/Variance Account Rate Riders (Group 1, excl GA)	per kWh	-\$ 0.0011	2000	-\$ 2.20	-\$ 0.0010	2000	-\$ 2.00	\$ 0.20	-9.09%
GA Rate Riders	per kWh	-\$ 0.0078	2000	-\$ 15.60	-\$ 0.0521	2000	-\$ 104.20	-\$ 88.60	567.95%
Low Voltage Service Charge			2000	\$ -		2000	\$ -	\$ -	
Smart Meter Entity Charge	Monthly	\$ 0.5700	1	\$ 0.57	\$ 0.5700	1	\$ 0.57	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)				\$ 97.00			\$ 14.10	-\$ 82.90	-85.46%
RTSR - Network	per kWh	\$ 0.0066	2183	\$ 14.41	\$ 0.0079	2166	\$ 17.11	\$ 2.70	18.73%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0060	2183	\$ 13.10	\$ 0.0067	2166	\$ 14.51	\$ 1.41	10.77%
Sub-Total C - Delivery (including Sub-Total B)				\$ 124.51			\$ 45.73	-\$ 78.79	-63.28%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0034	2183	\$ 7.42	\$ 0.0034	2166	\$ 7.36	-\$ 0.06	-0.81%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0005	2183	\$ 1.09	\$ 0.0005	2166	\$ 1.08	-\$ 0.01	-0.81%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Non-RPP Average Price	per kWh	\$ 0.1101	2000	\$ 220.20	\$ 0.1101	2000	\$ 220.20	\$ -	0.00%
Total Bill on TOU (before Taxes)				\$ 353.48			\$ 274.62	-\$ 78.86	-22.31%
HST		13%		\$ 45.95	13%		\$ 35.70	-\$ 10.25	-22.31%
8% Rebate		8%		-\$ 28.28	8%		-\$ 21.97	\$ 6.31	-22.31%
Total Bill (including HST)				\$ 371.15			\$ 288.35	-\$ 82.80	-22.31%

Loss Factor (%)

9.17%

8.29%

Appendix 2-W Bill Impacts

Customer Class: **Residential - R2 [NON-RPP - Other]**

Consumption **90,000** kWh

Billing Demand **225** kW

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 659.9400	1	\$ 659.94	\$ 674.5900	1	\$ 674.59	\$ 14.65	2.22%
Distribution Volumetric Rate	per kW	\$ 3.4194	225	\$ 769.37	\$ 3.4953	225	\$ 786.44	\$ 17.08	2.22%
Volumetric Rate Riders	per kW	-\$ 0.8010	225	-\$ 180.23	-\$ 0.0551	225	-\$ 12.40	\$ 167.83	-93.12%
Sub-Total A (excluding pass through)				\$ 1,249.08			\$ 1,448.64	\$ 199.56	15.98%
Line Losses on Cost of Power	per kWh	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders (Group 1, excl GA)	per kW	-\$ 0.4880	225	-\$ 109.80	-\$ 0.5636	225	-\$ 126.81	-\$ 17.01	15.49%
GA Rate Riders	per kWh	-\$ 0.0078	90,000	-\$ 702.00	-\$ 0.0521	90,000	-\$ 4,689.00	-\$ 3,987.00	567.95%
Low Voltage Service Charge			225	\$ -		225	\$ -	\$ -	
Smart Meter Entity Charge	Monthly		1	\$ -		1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)				\$ 437.28			-\$ 3,367.18	-\$ 3,804.46	-870.03%
RTSR - Network	per kW	\$ 2.5066	246	\$ 615.70	\$ 2.9917	244	\$ 728.94	\$ 113.23	18.39%
RTSR - Line and Transformation Connection	per kW	\$ 2.2787	246	\$ 559.72	\$ 2.5323	244	\$ 617.00	\$ 57.28	10.23%
Sub-Total C - Delivery (including Sub-Total B)				\$ 1,612.71			-\$ 2,021.24	-\$ 3,633.94	-225.33%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0034	98253	\$ 334.06	\$ 0.0034	97461	\$ 331.37	-\$ 2.69	-0.81%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0005	98253	\$ 49.13	\$ 0.0005	97461	\$ 48.73	-\$ 0.40	-0.81%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Cost of Power (Non-RPP)	per kWh	\$ 0.11010	98253	\$ 10,817.66	\$ 0.11010	97461	\$ 10,730.46	-\$ 87.20	-0.81%
Total Bill (before Taxes)				\$ 12,813.80			\$ 9,089.57	-\$ 3,724.23	-29.06%
HST		13%		\$ 1,665.79	13%		\$ 1,181.64	-\$ 484.15	-29.06%
Total Bill (including HST)				\$ 14,479.59			\$ 10,271.21	-\$ 4,208.38	-29.06%

Loss Factor (%)

9.17%

8.29%

Appendix 2-W Bill Impacts

Customer Class: **Residential - R2 [NON-RPP - Other] - Class A**

Consumption **2,500,000** kWh

Billing Demand **5,000** kW

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 659.9400	1	\$ 659.94	\$ 674.5900	1	\$ 674.59	\$ 14.65	2.22%
Distribution Volumetric Rate	per kW	\$ 3.4194	5000	\$ 17,097.00	\$ 3.4953	5000	\$ 17,476.50	\$ 379.50	2.22%
Volumetric Rate Riders	per kW	-\$ 0.8010	5000	-\$ 4,005.00	-\$ 0.0551	5000	-\$ 275.50	\$ 3,729.50	-93.12%
Sub-Total A (excluding pass through)				\$ 13,751.94			\$ 17,875.59	\$ 4,123.65	29.99%
Line Losses on Cost of Power	per kWh	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders (Group 1, excl GA)	per kW	-\$ 0.4880	5000	-\$ 2,440.00	-\$ 0.5636	5000	-\$ 2,818.00	-\$ 378.00	15.49%
GA Rate Riders - N/A - Class A	per kWh	\$ -	2500000	\$ -	\$ -	2500000	\$ -	\$ -	
Low Voltage Service Charge			5000	\$ -		5000	\$ -	\$ -	
Smart Meter Entity Charge	Monthly		1	\$ -		1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)				\$ 11,311.94			\$ 15,057.59	\$ 3,745.65	33.11%
RTSR - Network	per kW	\$ 2.5066	5459	\$ 13,682.28	\$ 2.9917	5415	\$ 16,198.56	\$ 2,516.28	18.39%
RTSR - Line and Transformation Connection	per kW	\$ 2.2787	5459	\$ 12,438.28	\$ 2.5323	5415	\$ 13,711.14	\$ 1,272.85	10.23%
Sub-Total C - Delivery (including Sub-Total B)				\$ 37,432.50			\$ 44,967.29	\$ 7,534.79	20.13%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0034	2729250	\$ 9,279.45	\$ 0.0034	2707250	\$ 9,204.65	-\$ 74.80	-0.81%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0005	2729250	\$ 1,364.63	\$ 0.0005	2707250	\$ 1,353.63	-\$ 11.00	-0.81%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Cost of Power (Non-RPP)	per kWh	\$ 0.11010	2729250	\$ 300,490.43	\$ 0.11010	2707250	\$ 298,068.23	-\$ 2,422.20	-0.81%
Total Bill (before Taxes)				\$ 348,567.25			\$ 353,594.04	\$ 5,026.79	1.44%
HST		13%		\$ 45,313.74	13%		\$ 45,967.22	\$ 653.48	1.44%
Total Bill (including HST)				\$ 393,880.99			\$ 399,561.26	\$ 5,680.27	1.44%

Loss Factor (%)

9.17%

8.29%

Appendix 2-W Bill Impacts

Customer Class: **Seasonal [RPP]**

TOU / non-TOU: **TOU**

Consumption **750** kWh

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 54.7500	1	\$ 54.75	\$ 58.7500	1	\$ 58.75	\$ 4.00	7.31%
Distribution Volumetric Rate	per kWh	\$ 0.1494	750	\$ 112.05	\$ 0.1703	750	\$ 127.73	\$ 15.68	13.99%
Fixed Rate Riders	Monthly	\$ -	1	\$ -	\$ 0.0200	1	\$ 0.02	-\$ 0.02	
Volumetric Rate Riders	per kWh	\$ 0.0288	750	\$ 21.60	\$ 0.0332	750	\$ 24.90	\$ 3.30	15.28%
Sub-Total A (excluding pass through)				\$ 188.40			\$ 211.36	\$ 22.96	12.18%
Line Losses on Cost of Power	per kWh	\$ 0.1101	68.775	\$ 7.57	\$ 0.1101	62.175	\$ 6.85	-\$ 0.73	-9.60%
Total Deferral/Variance Account Rate Riders (Group 1, excl GA)	per kWh	-\$ 0.0012	750	-\$ 0.90	-\$ 0.0012	750	-\$ 0.90	\$ -	0.00%
Low Voltage Service Charge			750	\$ -		750	\$ -	\$ -	
Smart Meter Entity Charge	Monthly	\$ 0.5700	1	\$ 0.57	\$ 0.5700	1	\$ 0.57	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)				\$ 195.64			\$ 217.87	\$ 22.23	11.36%
RTSR - Network	per kWh	\$ 0.0066	819	\$ 5.40	\$ 0.0079	812	\$ 6.42	\$ 1.01	18.73%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0060	819	\$ 4.91	\$ 0.0067	812	\$ 5.44	\$ 0.53	10.77%
Sub-Total C - Delivery (including Sub-Total B)				\$ 205.96			\$ 229.73	\$ 23.77	11.54%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0034	819	\$ 2.78	\$ 0.0034	812	\$ 2.76	-\$ 0.02	-0.81%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0005	819	\$ 0.41	\$ 0.0005	812	\$ 0.41	-\$ 0.00	-0.81%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0650	488	\$ 31.69	\$ 0.0650	488	\$ 31.69	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.0940	128	\$ 11.99	\$ 0.0940	128	\$ 11.99	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1340	135	\$ 18.09	\$ 0.1340	135	\$ 18.09	\$ -	0.00%
Total Bill on TOU (before Taxes)				\$ 271.16			\$ 294.91	\$ 23.74	8.76%
HST		13%		\$ 35.25	13%		\$ 38.34	\$ 3.09	8.76%
8% Rebate		8%		-\$ 21.69	8%		-\$ 23.59	-\$ 1.90	8.76%
Total Bill (including HST)				\$ 284.72			\$ 309.65	\$ 24.93	8.76%

Loss Factor (%)

9.17%

8.29%

Appendix 2-W Bill Impacts

Customer Class: **Seasonal [Non-RPP - Retailer]**

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

Consumption **750** kWh

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 54.7500	1	\$ 54.75	\$ 58.7500	1	\$ 58.75	\$ 4.00	7.31%
Distribution Volumetric Rate	per kWh	\$ 0.1494	750	\$ 112.05	\$ 0.1703	750	\$ 127.73	\$ 15.68	13.99%
Fixed Rate Riders	Monthly	\$ -	1	\$ -	\$ 0.0200	1	\$ 0.02	-\$ 0.02	
Volumetric Rate Riders	per kWh	\$ 0.0288	750	\$ 21.60	\$ 0.0332	750	\$ 24.90	\$ 3.30	15.28%
Sub-Total A (excluding pass through)				\$ 188.40			\$ 211.36	\$ 22.96	12.18%
Line Losses on Cost of Power	per kWh	\$ 0.0824	68.775	\$ 5.66	\$ 0.0824	62.175	\$ 5.12	-\$ 0.54	-9.60%
Total Deferral/Variance Account Rate Riders (Group 1, excl GA)	per kWh	-\$ 0.0012	750	-\$ 0.90	-\$ 0.0012	750	-\$ 0.90	\$ -	0.00%
GA Rate Riders	per kWh	-\$ 0.0078	750	-\$ 5.85	-\$ 0.0521	750	-\$ 39.08	-\$ 33.23	567.95%
Low Voltage Service Charge			750	\$ -		750	\$ -	\$ -	
Smart Meter Entity Charge	Monthly	\$ 0.5700	1	\$ 0.57	\$ 0.5700	1	\$ 0.57	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)				\$ 187.88			\$ 177.07	-\$ 10.81	-5.76%
RTSR - Network	per kWh	\$ 0.0066	819	\$ 5.40	\$ 0.0079	812	\$ 6.42	\$ 1.01	18.73%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0060	819	\$ 4.91	\$ 0.0067	812	\$ 5.44	\$ 0.53	10.77%
Sub-Total C - Delivery (including Sub-Total B)				\$ 198.20			\$ 188.93	-\$ 9.27	-4.68%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0034	819	\$ 2.78	\$ 0.0034	812	\$ 2.76	-\$ 0.02	-0.81%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0005	819	\$ 0.41	\$ 0.0005	812	\$ 0.41	-\$ 0.00	-0.81%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Non-RPP Average Price	per kWh	\$ 0.1101	750	\$ 82.58	\$ 0.0650	0	\$ 0.01	-\$ 82.57	-99.99%
Total Bill on TOU (before Taxes)				\$ 284.22			\$ 192.35	-\$ 91.87	-32.32%
HST		13%		\$ 36.95	13%		\$ 25.01	-\$ 11.94	-32.32%
8% Rebate		8%		-\$ 22.74	8%		-\$ 15.39	\$ 7.35	-32.32%
Total Bill (including HST)				\$ 298.43			\$ 201.97	-\$ 96.46	-32.32%

Loss Factor (%)

9.17%

8.29%

Appendix 2-W Bill Impacts

Customer Class: **Seasonal [RPP]**

TOU / non-TOU: **TOU**

Consumption **153** kWh

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 54.7500	1	\$ 54.75	\$ 58.7500	1	\$ 58.75	\$ 4.00	7.31%
Distribution Volumetric Rate	per kWh	\$ 0.1494	153	\$ 22.86	\$ 0.1703	153	\$ 26.06	\$ 3.20	13.99%
Fixed Rate Riders	Monthly	\$ -	1	\$ -	\$ 0.0200	1	\$ 0.02	-\$ 0.02	
Volumetric Rate Riders	per kWh	\$ 0.0288	153	\$ 4.41	\$ 0.0332	153	\$ 5.08	\$ 0.67	15.28%
Sub-Total A (excluding pass through)				\$ 82.01			\$ 89.87	\$ 7.85	9.57%
Line Losses on Cost of Power	per kWh	\$ 0.0824	14.0301	\$ 1.16	\$ 0.0824	12.6837	\$ 1.04	-\$ 0.11	-9.60%
Total Deferral/Variance Account Rate Riders (Group 1, excl GA)	per kWh	-\$ 0.0012	153	-\$ 0.18	-\$ 0.0012	153	-\$ 0.18	\$ -	0.00%
Low Voltage Service Charge			153	\$ -		153	\$ -	\$ -	
Smart Meter Entity Charge	Monthly	\$ 0.5700	1	\$ 0.57	\$ 0.5700	1	\$ 0.57	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)				\$ 83.56			\$ 91.30	\$ 7.74	9.26%
RTSR - Network	per kWh	\$ 0.0066	167	\$ 1.10	\$ 0.0079	166	\$ 1.31	\$ 0.21	18.73%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0060	167	\$ 1.00	\$ 0.0067	166	\$ 1.11	\$ 0.11	10.77%
Sub-Total C - Delivery (including Sub-Total B)				\$ 85.66			\$ 93.72	\$ 8.05	9.40%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0034	167	\$ 0.57	\$ 0.0034	166	\$ 0.56	-\$ 0.00	-0.81%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0005	167	\$ 0.08	\$ 0.0005	166	\$ 0.08	-\$ 0.00	-0.81%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0650	99	\$ 6.46	\$ 0.0650	99	\$ 6.46	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.0940	26	\$ 2.44	\$ 0.0940	26	\$ 2.44	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1340	28	\$ 3.69	\$ 0.1340	28	\$ 3.69	\$ -	0.00%
Total Bill on TOU (before Taxes)				\$ 99.16			\$ 107.21	\$ 8.05	8.12%
HST		13%		\$ 12.89	13%		\$ 13.94	\$ 1.05	8.12%
8% Rebate		8%		-\$ 7.93	8%		-\$ 8.58	-\$ 0.64	8.12%
Total Bill (including HST)				\$ 104.12			\$ 112.57	\$ 8.45	8.12%

Loss Factor (%)

9.17%

8.29%

Appendix 2-W Bill Impacts

Customer Class: **Seasonal [RPP]**

TOU / non-TOU: **TOU**

Consumption **50** kWh

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 54.7500	1	\$ 54.75	\$ 58.7500	1	\$ 58.75	\$ 4.00	7.31%
Distribution Volumetric Rate	per kWh	\$ 0.1494	50	\$ 7.47	\$ 0.1703	50	\$ 8.52	\$ 1.05	13.99%
Fixed Rate Riders	Monthly	\$ -	1	\$ -	\$ 0.0200	1	\$ 0.02	-\$ 0.02	
Volumetric Rate Riders	per kWh	\$ 0.0288	50	\$ 1.44	\$ 0.0332	50	\$ 1.66	\$ 0.22	15.28%
Sub-Total A (excluding pass through)				\$ 63.66			\$ 68.91	\$ 5.25	8.24%
Line Losses on Cost of Power	per kWh	\$ 0.0824	4.585	\$ 0.38	\$ 0.0824	4.145	\$ 0.34	-\$ 0.04	-9.60%
Total Deferral/Variance Account Rate Riders (Group 1, excl GA)	per kWh	-\$ 0.0012	50	-\$ 0.06	-\$ 0.0012	50	-\$ 0.06	\$ -	0.00%
Low Voltage Service Charge			50	\$ -		50	\$ -	\$ -	
Smart Meter Entity Charge	Monthly	\$ 0.5700	1	\$ 0.57	\$ 0.5700	1	\$ 0.57	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)				\$ 64.55			\$ 69.76	\$ 5.21	8.07%
RTSR - Network	per kWh	\$ 0.0066	55	\$ 0.36	\$ 0.0079	54	\$ 0.43	\$ 0.07	18.73%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0060	55	\$ 0.33	\$ 0.0067	54	\$ 0.36	\$ 0.04	10.77%
Sub-Total C - Delivery (including Sub-Total B)				\$ 65.24			\$ 70.55	\$ 5.31	8.14%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0034	55	\$ 0.19	\$ 0.0034	54	\$ 0.18	-\$ 0.00	-0.81%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0005	55	\$ 0.03	\$ 0.0005	54	\$ 0.03	-\$ 0.00	-0.81%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0650	33	\$ 2.11	\$ 0.0650	33	\$ 2.11	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.0940	9	\$ 0.80	\$ 0.0940	9	\$ 0.80	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1340	9	\$ 1.21	\$ 0.1340	9	\$ 1.21	\$ -	0.00%
Total Bill on TOU (before Taxes)				\$ 69.82			\$ 75.13	\$ 5.31	7.61%
HST		13%		\$ 9.08	13%		\$ 9.77	\$ 0.69	7.61%
8% Rebate		8%		-\$ 5.59	8%		-\$ 6.01	-\$ 0.42	7.61%
Total Bill (including HST)				\$ 73.31			\$ 78.88	\$ 5.58	7.61%

Loss Factor (%)

9.17%

8.29%

Appendix 2-W Bill Impacts

Customer Class: **Street Lighting (Non - RPP)**

Consumption **3,308** kWh

Billing Demand **9** kW

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 2.0500	74	\$ 151.70	\$ 1.3700	74	\$ 101.38	-\$ 50.32	-33.17%
Distribution Volumetric Rate	per kWh	\$ 0.3310	3,308	\$ 1,094.94	\$ 0.3279	3,308	\$ 1,084.68	-\$ 10.25	-0.94%
Volumetric Rate Riders	per kWh	-\$ 0.0019	3,308	-\$ 6.29	\$ 0.0467	3,308	\$ 154.48	\$ 160.77	-2557.89%
Sub-Total A (excluding pass through)				\$ 1,240.35			\$ 1,340.55	\$ 100.19	8.08%
Line Losses on Cost of Power	per kWh	\$ 0.11010	303.341	\$ 33.40	\$ 0.11010	274.231	\$ 30.19	-\$ 3.21	-9.60%
Total Deferral/Variance Account Rate Riders (Group 1, excl GA)	per kWh	-\$ 0.0011	3,308	-\$ 3.64	-\$ 0.0026	3,308	-\$ 8.60	-\$ 4.96	136.36%
GA Rate Riders	per kWh	-\$ 0.0078	3,308	-\$ 25.80	-\$ 0.0521	3,308	-\$ 172.35	-\$ 146.54	567.95%
Low Voltage Service Charge				\$ -			\$ -	\$ -	
Smart Meter Entity Charge	Monthly		1	\$ -		1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)				\$ 1,244.31			\$ 1,189.79	-\$ 54.52	-4.38%
RTSR - Network	per kW	\$ 1.8150	10	\$ 18.22	\$ 1.8150	10	\$ 18.07	-\$ 0.15	-0.81%
RTSR - Line and Transformation Connection	per kW	\$ 1.6438	10	\$ 16.50	\$ 1.6438	10	\$ 16.37	-\$ 0.13	-0.81%
Sub-Total C - Delivery (including Sub-Total B)				\$ 1,279.03			\$ 1,224.23	-\$ 54.80	-4.28%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0034	3611	\$ 12.28	\$ 0.0034	3582	\$ 12.18	-\$ 0.10	-0.81%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0005	3611	\$ 1.81	\$ 0.0005	3582	\$ 1.79	-\$ 0.01	-0.81%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Cost of Power (Non-RPP)	per kWh	\$ 0.1101	3308	\$ 364.21	\$ 0.1101	3308	\$ 364.21	\$ -	0.00%
Total Bill (before Taxes)				\$ 1,657.57			\$ 1,602.66	-\$ 54.91	-3.31%
HST		13%		\$ 215.48	13%		\$ 208.35	-\$ 7.14	-3.31%
8% Rebate		8%		-\$ 132.61	8%		-\$ 128.21	\$ 4.39	-3.31%
Total Bill (including HST)				\$ 1,740.45			\$ 1,682.79	-\$ 57.66	-3.31%

Loss Factor (%)

9.17%

8.29%