

**THUNDER BAY HYDRO ELECTRICITY  
DISTRIBUTION INC.**

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**2019 ELECTRICITY DISTRIBUTION RATE APPLICATION**

**EB-2018-0069**

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## ONTARIO ENERGY BOARD

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

**AND IN THE MATTER OF** an Application by Thunder Bay Hydro Electricity Distribution Inc. to the Ontario Energy Board for an Order or Orders approving or fixing just and reasonable rates and other service charges for the distribution of electricity as of May 1, 2019.

**TITLE OF PROCEEDING:** An Application by Thunder Bay Hydro Electricity Distribution Inc. for an Order or Orders approving or fixing just and reasonable distribution rates and other charges, effective May 1, 2019.

### Application – Relief sought

1. Thunder Bay Hydro Electricity Distribution Inc. (“Thunder Bay Hydro”) is a distributor as defined in, and is licensed as such under, the *Ontario Energy Board Act, 1998* (the “Act”). Thunder Bay Hydro holds Electricity Distribution Licence ED-2002-0529.
  
2. Thunder Bay Hydro hereby applies to the Ontario Energy Board (the “Board”), pursuant to section 78 of the Act, for an Order or Orders approving or fixing just and reasonable rates for distribution service effective May 1, 2019. This Application is made in accordance with the Board’s update to Chapter 3 of the *Filing Requirements for Electricity Distribution Rate Applications*, issued on July 12, 2018, using the October 13, 2016 Handbook for Utility Rate Applications (the Handbook) IR methodology, including the following:
  - a. An adjustment to the retail transmission service rates as provided in the Board’s *Guidelines G-2008-0001: Electricity Distribution Retail Transmission Service Rates (RTSR), Revision 4.0*, issued June 28, 2012;
  - b. An adjustment to the price cap index, as determined by the Board;
  - c. An adjustment to current 2018 distribution rates by applying to the OEB’s adjustment mechanism of the Price Cap Index to establish 2019 electricity distribution rates, effective from May 1, 2019.
  - d. Election to dispose of the Group 1 account balances, per *Section 3.2.5 of Chapter 3 of the Filing Requirements for Electricity Distribution Rate Applications*, issued on July 12, 2018.
  - e. Continuation of existing Specific Service Charges and Loss Factors as approved in Thunder Bay Hydro’s 2017 Cost of Service rate application (EB-2016-0105).

3. In the event that the Board is unable to provide a Decision and Order in this Application for implementation by the Applicant as of May 1, 2019, Thunder Bay Hydro requests that the Board issue an Interim Rate Order declaring the current Distribution Rates and Specific Service Charges as interim until the decided implementation date of the approved 2019 distribution rates.
4. In the event that the effective date does not coincide with the Board's decided implementation date for 2019 distribution rates and charges, Thunder Bay Hydro requests permission to recover the incremental revenue from the effective date to the implementation date.
5. Thunder Bay Hydro has used the Board's Excel Model: 2019 IRM Rate Generator ("2019 Rate Model") version 1.1 posted July 24, 2018. The rates for which approval is sought are shown on Tab 19 "Final Tariff Schedule" of the 2019 Rate Model.
6. This Application is supported by the written evidence comprising of a Manager's Summary, excel model, and appendices. Thunder Bay Hydro may amend or supplement this written evidence prior to or during the course of the Board's hearing of this Application.

## **3.1 Manager's Summary**

### **3.1 Introduction**

Thunder Bay Hydro is a corporation incorporated pursuant to the Ontario Business Corporations Act with its head office in the City of Thunder Bay. Thunder Bay Hydro carries on the business of distributing electricity within the City of Thunder Bay and Fort William First Nation Reserve.

Thunder Bay Hydro is submitting an Incentive Rate Mechanism application, applying for 2019 electricity distribution rates and other charges effective May 1, 2019. Thunder Bay Hydro has chosen to file its 2019 Distribution Rate Application under the Price Cap Incentive Rate adjustment option.

This application has been prepared in accordance with the Board's updated *Chapter 3 of the Filing Requirements for Electricity Distribution Rate Applications, – 2018 edition for 2019 Rate Applications*, issued July 12, 2018 ("*2019 Filing Requirements*").

Thunder Bay Hydro requests that this Application be disposed of by way of a written hearing.

### 3.1.1 Grouping for Filings

The OEB has assigned distributors seeking IRM rate adjustments effective May 1 2019 to one of three application groupings noted below based on the expected level of complexity of the application. Thunder Bay Hydro was assigned the filing date of October 15, 2018 in Tranche 3 as per the OEB direction to all distributors in the letter dated July 12, 2018 "Process for 2019 Incentive Regulation Mechanism (IRM) Distribution Rate Applications.

### 3.1.2 Components of the Application Filing

Thunder Bay Hydro has included in this application EB-2018-0069 the following:

1. Managers Summary;
2. Contact Information;
3. Completed Rate Generation Model and Supplemental Work forms;
4. PDF Copy of the current tariff sheet;
5. Supporting documentation, validated reporting record keeping requirements, other data referred to in the application, and the revenue requirement work form;
6. A statement of who will be affected by the application, and particular bill impacts;
7. Confirmation of the Applicants internet address;
8. Statement of confirmation related to accuracy of the billing determinants; and
9. Text searchable Adobe PDF format for all documents.

#### 3.1.2.1 Contact Information

The following is the contact information for Thunder Bay Hydro in this proceeding:

Applicant's Address for Service: 34 Cumberland St. N.  
Thunder Bay, Ontario  
P7A 4L4

Primary Contact for Electricity Distribution Licence:

Cindy Speziale, CPA, CA	Phone:	807-343-1118
Vice President, Finance	Fax:	807-343-1009
	Email:	<a href="mailto:cspeziale@tbhydro.on.ca">cspeziale@tbhydro.on.ca</a>

Primary Contact for the Application:

Brittany Ashby, BMGMT	Phone:	807-343-1054
Supervisor, Business &	Fax:	807-343-1009
Regulatory Affairs	Email:	<a href="mailto:bashby@tbhydro.on.ca">bashby@tbhydro.on.ca</a>

### **3.1.2.2 / 3.1.2.3 List of Attachments**

The following is a list of attachments to this application;

- Appendix A – 2019 Rate Generator Model (updated July 24, 2018);
- Appendix B – Current 2018 Schedule of Tariff and Rates;
- Appendix C – Proposed 2019 Schedule of Tariff and Rates;
- Appendix D – Bill Impacts;
- Appendix E – Global Adjustment Analysis Work Form (updated July 13, 2018); and
- Appendix F – Account 1595 Analysis Work Form (updated July 18, 2018).

### **3.1.2.4 Supporting Documentation**

Thunder Bay Hydro confirms that it has provided supporting documentation where appropriate as support to the models mentioned in the 3.1.2.3 List of Attachments. Thunder Bay Hydro has also confirmed it has validated any references to the 2017 year end RRR reporting record keeping requirements, and other data referred to in the application.

### **3.1.2.5 Notice of Application**

The persons affected by this Application are all of Thunder Bay Hydro's customer rate classes who reside within the City of Thunder Bay and Fort William First Nation Reserve. This is due to the annual mechanism adjustment which is applied uniformly across all customer rate classes. In addition to these adjustments, the residential class is being impacted by the OEB's rate design policy (EB-2014-0210) for residential customers.

### **3.1.2.6 Confirmation of Application**

Thunder Bay Hydro will provide for its customers a physical paper application (EB-2018-0069) at its customer service desk, as well as publish any updates directly to its public website for purposes of viewing the application, previous applications, and related documents.

Thunder Bay Hydro Public Website Address:

<https://www.tbhydro.on.ca/>

### **3.1.2.7 Certification of Evidence**

Thunder Bay Hydro's Vice President of Finance certifies that the evidence filed in its 2019 IRM Rate Application is accurate to the best of her knowledge and belief.

### **3.1.3 Applications and Electronic Models**

Thunder Bay Hydro has used the Board's 2019 IRM Rate Generator issued by the Board on July 24, 2018, the Account 1595 Analysis Work Form issued by the Board on July 18, 2018 and the Board's Global Adjustment (GA) Analysis Work form issued by the Board on July 13, 2018. Thunder Bay Hydro has completed the 2019 Rate Models in accordance with the Board staff instructions. Thunder Bay Hydro does not have any unique rate classes.

The model was pre-populated with distributor-specific data for Thunder Bay Hydro, including Thunder Bay Hydro's most recent tariff of rates and charges, load and customer data and 2017 year end RRR balances for Group 1 DVA balances.

Thunder Bay Hydro confirms that the tariff of rates and charges is accurate, as included in Tab 2 'Current Tariff Schedule' of the model. Thunder Bay Hydro confirms the accuracy of the pre-populated billing determinates, number of customers for Residential and GS<50 Classes, and customer volume, as included in Tab 4 'Billing Det. For Def Var' of the model. Additionally, Thunder Bay Hydro has completed Tab 3 – Continuity Schedule and confirms the entries in column "BT", representing Group 1 Deferral and Variance Account balances as of December 31, 2017 are accurate.

Thunder Bay Hydro confirms that it has not diverged from the Board's model concept or modified the 2019 Rate Model. Board staff made modifications to the 2019 Rate Model to exclude Class A volume when determining GA, as well as CBR rate riders. Thunder Bay Hydro confirms that the model is correctly calculating the GA, and CBR rate rider among all classes in Tab 6, Tab 6.1, Tab 6.1a, Tab 6.2 and Tab 6.2a. Board Staff also made modifications to the 2019 Rate Model where it had been agreed that the Model was not operating correctly.

Note, that the following issues have been identified within the 2019 Rate Generator Model and require Board staff modification:

1. Tab 3. Continuity Schedule – column F is populating a figure of (\$364) Total Group 1 Balance excluding account 1589 – Global Adjustment. This is incorrect and must be removed.
2. Tab 19.Final Tariff Schedule – when printed the schedule will populate the 'Residential Service Classification' at the top of each new rate classification.



## 3.2 ELEMENTS OF THE PRICE CAP IR AND THE ANNUAL IR INDEX PLAN

### 3.2.1 Annual Adjustment Mechanism

In calculating 2019 rates, Thunder Bay Hydro has applied a Price Cap Index Adjustment of 0.75% to its Base Distribution Rates, which are the rate-setting parameters provided by the Board’s 2019 Rate Generator Model (Stretch Factor Group IV). Thunder Bay Hydro acknowledges that distributors are to use the 2018 rate setting parameters as a placeholder until the stretch factor assignment and inflation factor for 2019 are issued by the OEB. Board staff will update the 2019 Rate Generator Model with the final 2019 price cap parameters which will be established by the Board in the supplemental report on the Renewed Regulatory Framework for Electricity (RRFE).

#### 3.2.1.1 Application of the Annual Adjustment Mechanism

Thunder Bay Hydro has achieved Stretch Factor Group assignment ranking of 4 or 0.45% in the “PEG Empirical Research in Support of Incentive Rate-Setting: 2017 Benchmarking Update Report to the Ontario Energy Board - revised” issued August 2018. Based on this ranking Thunder Bay Hydro will apply the Price Cap Index of 0.75% to its current fixed distribution charge, as well as its distribution volumetric charge.

Price Cap Index is determined using the following formula:

<b>Price Cap Index</b>	
Price Escalator (GDP-IPI)	1.20%
<b>Less:</b> Productivity Factor	0.00%
<b>Less:</b> Stretch Factor	0.45% (TBH is in Group IV)
Price Cap Index	0.75%

Thunder Bay Hydro confirms the Price Cap Index adjustment has been applied to distribution rates (fixed and variable) uniformly across all customer rate classes and that the index adjustment **has not** been applied to the following components of distribution rate components:

- Rate Adders;
- Rate Riders;
- Retail Transmission Rates;
- Wholesale Market Service Rates;
- Rural and Remote Rate Protection Charge;
- Standard Supply Service – Administrative Charge;
- Capacity Based Recovery;
- Microfit Service Charge;
- Specific Service Charges;

- Transformation and Primary Metering Allowances;
- Smart Meter Entity Charge

### **3.2.2 Revenue to Cost Ratio Adjustments**

Thunder Bay Hydro's Revenue to Cost ratio adjustments were approved in its 2017 Cost of Service Rate Application (EB-2016-0105). As per Thunder Bay Hydro's Settlement Proposal & Agreement issued April 27, 2017 (EB-2016-0105, page 17), Thunder Bay Hydro was in complete settlement with all parties for its proposed cost allocation methodology, and revenue to cost ratios. Thunder Bay Hydro does not require any further revenue-to-cost ratio adjustments to be required during the 2017 to 2021 rate years.

Thunder Bay Hydro is not seeking any revenue to cost ratio adjustments in this application.

### **3.2.3 Rate Design for Residential Electricity Customers**

On April 2, 2015 the OEB released its Board Policy: A New Distribution Rate Design for Residential Electricity Customers (EB-2014-0210) which stated that electricity distributors are expected to transition to a fully fixed monthly distribution service charge for residential customers, and in most cases should be to be implemented over a period of four years, beginning in 2016. Thunder Bay Hydro is proposing residential rate changes consistent with this policy. Thunder Bay Hydro confirms that the fully fixed rate designs for new charges are applicable only to the residential rate class, and to the charges which are specifically related to distribution of electricity.

Tab 16 'Rev2Cost\_GDPIPI' of the completed 2019 IRM Rate Generator Model sets out the OEB approved # of Transition Years as planned in the four year transition steps for the Residential class towards fully fixed rates.

Thunder Bay Hydro's most recent cost of service rate application (EB-2016-0105) calculated its residential fixed and volumetric distribution rates over three of the four of the remaining rate design policy transition years. The 2019 rate year is the last year for transition of the fixed and volumetric rate design to fully fixed distribution rates.

The current distribution revenue split of 90.7% fixed rate revenue, 9.3% variable rate revenue, is calculated based on the current 2018 rates from the (EB-2017-0075) Cost of Service board approved 2018 monthly and variable distribution rates multiplied by the (EB-2016-0105) 2017 Cost of Service board approved forecasted residential customer number and billed residential kWh. Updating this calculation to

the expected one of the four OEB approved # of transition years, the calculation will result in a fully transitioned split of 100% fixed rate revenue, and 0% variable rate revenue (Table 1).

The expected monthly increase in the fixed monthly charge results in a rate of \$2.28 which is less than \$4, and in accordance with the Board's direction from *A New Distribution Rate Design for Residential Electricity Customers* (EB-2014-0210, released April 2, 2015) because this is lower than \$4 rate mitigation measures is not expected to be necessary.

### **3.2.3.1 Residential Rate Design – Exception and Mitigation**

The OEB designed two tests to determine when mitigation should be proposed – a threshold test for the change in fixed charge, and an overall bill impact test.

Test 1 - As previously mentioned Thunder Bay Hydro has calculated the expected fixed charge rate to be \$2.28/month/year. This passes the first of the threshold tests set out by the OEB.

Test 2 – Part 1- Using the bill impact test, Thunder Bay Hydro has calculated the expected Total Bill Impact of its residential customers who use an average of 750 kWh monthly to be minimal with a total bill impact of (1.00%) including HST and 8% Rebate. Of the total bill decrease of (1.00%) or (\$1.05/month) the portion related to the fixed variable transition is an overall decrease of (1.26%). Overall typical residential bill impact is below 10% materiality and therefore passes the threshold test.

Part 2- Using the bill impact test, Thunder Bay Hydro has calculated the expected Total Bill Impact of its lower-consumption residential customers in the 10<sup>th</sup> percentile who use an average of 249 kWh monthly to be minimal with a total bill impact increase of 2.68% including HST and 8% Rebate. Of the total bill increase of 2.68% or \$1.38/month the portion related to the fixed variable transition is an overall increase of 6.65% (Observed in Table 3). Overall Thunder Bay Hydro's lowest consumption residential bill impact is below 10% materiality and therefore passes the threshold test.

As indicated in section 3.2.3 of the 2018 edition for 2019 rate applications Chapter 3 Incentive Rate Setting Application in 2019 a distributor is expected to apply to extend its OEB- approved transition period if necessary, to continue to comply with the policy.

At this current proposed rate change the current split will require an increase in fixed proportion of 9.3% and corresponding decrease in the variable proportion of the same percentage (9.3%). For 2019, this means an increase of \$2.28, before the price cap adjustment to the fixed charge, and a decrease of \$.0037 to variable charge (Table 2). As mentioned earlier this is the last year of transition for Thunder Bay Hydro's customers for this rate transition policy.

See tables 1 & 2 below for summary of proposed transition:

**Table 1: Rate Design Transition – Fixed & Volumetric Percentage Transition**

	2017	2018	2019
Distribution Rate	3/4	2/4	1/4
Fixed	81.3%	90.6%	100.0%
Volumetric	18.7%	9.4%	0.0%
<b>Total F/V Split</b>	100%	100%	100%

**Table 2: Rate Design Transition – Fixed & Volumetric Rate Transition**

Distribution Rate	Base Rates @ Current F/V Split	Proposed Adjusted Base Rates	Impact \$
Residential – Fixed Rate	\$ 22.23	\$ 24.51	\$ 2.28
Residential – Variable Rate	\$ 0.0037	\$ 0.0000	(\$ 0.0037)

### 3.2.3.2 Impact at the 10th Percentile of Consumption

In accordance with section 3.2.3 of the *2017 Filing Requirements*, Thunder Bay Hydro has assessed the 10<sup>th</sup> consumption percentile within its Residential class.

Thunder Bay Hydro extracted residential consumption data from its information system for the 2017 calendar year for all customers with a full year of data. Only the data for customers with 12 months of data was used to calculate a seasonally normalized average consumption. Thunder Bay Hydro sorted the data set of 40,827 rows \* 12 months = 489,924 records in ascending order based on average monthly consumption per customer. The 10<sup>th</sup> consumption percentile of this data set was 249 kWh.

Thunder Bay Hydro is **not** proposing a rate mitigation plan as the rate increase for a residential low-energy consumer does not exceed the 10% total bill impact threshold as determined by the OEB. The net impact of only distribution charges is an increase of 6.65%. Table 3 below shows the net impact of distribution change to Thunder Bay Hydro’s Residential Low-Income Customer using 249 kWh / month.

**Table 3: Thunder Bay Hydro Residential Low-Volume Customer**

Residential 10th percentile	Current Charge	Proposed Charge	Change (\$)	Change (%)
Monthly Service Charge	\$22.23	\$24.69	\$2.46	11.07%
Distribution Volumetric Rate @ 249 kWh	\$0.92	\$0.00	(\$0.92)	(100%)
		<b>Sum of Distribution</b>	\$1.54	6.65%

### 3.2.4 Electricity Distribution Retail Transmission Service Rates

Thunder Bay Hydro has prepared the RTSR using the OEB’s ‘Guideline G-2008-0001: Electricity Distribution Retail Transmission Service Rates (RTSR), Revision 4.0 issued June 28, 2012.’ To prepare the analysis Thunder Bay Hydro has used the 2019 Rate Generator Model, Tabs 10 to 15 to calculate the proposed updates to its RTSRs. Thunder Bay Hydro has used the most recent wholesale transmission rates (per the Board’s Decision in EB-2017 -0359, issued February 1, 2018) in this application.

Thunder Bay Hydro understands that once 2019 UTR rates are determined, Board staff will adjust the 2019 Rate Generator Model to reflect any changes in Hydro One’s Sub-Transmission class RTSRs.

Thunder Bay Hydro has confirmed that the cells in Tab 10. RTSR Current Rates have been populated with the data from the most recent 2017 year end RRR filing. In addition to the figures reported to the OEB Thunder Bay Hydro has adjusted the Non-Loss Adjusted Metered kWh, and Non –Loss Adjusted Metered kW to appropriately split the “General Service 50 to 999 kW Service” Classification between metered and interval metered. Thunder Bay Hydro confirms it has used its customer data to determine the split between specific meter data, and the net of the two results in the rate classification total reported in the 2017 RRR year-end filing.

A summary of the proposed adjustment to the Current Retail Transmission Service Rates are shown in Table 4 below:

**Table 4: RTSR Proposed Adjustment**

Rate Class	Units	RTSR Network			RTSR Connection		
		Current	Proposed	Change	Current	Proposed	Change
		\$	\$	\$	\$	\$	\$
Residential	kWh	0.0060	0.0058	(0.0002)	0.0053	0.0052	(0.0001)
General Service < 50kW	kW	0.0057	0.0055	(0.0002)	0.0049	0.0048	(0.0001)
General Service > 50 - 999 kW	kW	2.2436	2.157	(0.0866)	1.8598	1.8183	(0.0415)
General Service > 50 - 999 kW Interval	kW	2.3799	2.288	(0.0919)	2.0557	2.0098	(0.0459)
General Service 1,000 kW or Greater	kW	2.3799	2.288	(0.0919)	2.0557	2.0098	(0.0459)
Unmetered Scattered Load	kWh	0.0057	0.0055	(0.0002)	0.0049	0.0048	(0.0001)
Sentinel Lights	kW	1.7008	1.6351	(0.0657)	1.468	1.4352	(0.0328)
Street Lighting	kW	1.6919	1.6266	(0.0653)	1.4378	1.4057	(0.0321)

### 3.2.5 Review and Disposition of Group 1 Deferral and Variance Account Balances

Thunder Bay Hydro is applying to dispose of the balances in its Group 1 Deferral and Variance Accounts, as of December 31, 2017. Projected interest from January 1 2018 – April 30 2019 is calculated using the Board’s prescribed interest rates. Quarter 1 of 2018 is calculated using 1.50%, and then for the remainder of the 2018 year as well as the period of January 1st 2019 to April 30th 2019 interest is calculated at the Board’s most recent prescribed interest rate of 1.89%.

“Tab 3, Continuity Schedule” of the completed 2019 Rate Generator Model, as of December 31, 2017, agree with those filed with the year end 2017 balances reported on the 2.1.7 RRR filed April 30, 2018. There is an expected difference in the Wholesale Market Service Charge which is equal to the “WMS – Sub Account CBR Class B” and the “WMS – Sub Account CBR Class A”.

Thunder Bay Hydro confirms that no additional adjustments have been made to any deferral and variance account balances which were previously approved by the Board on a final basis.

The total group 1 amount to be disposed of is (\$1,000,374). The RSVA Global Adjustment balance in account 1589 is \$119,190 to be collected in a rate rider from Non-RPP customers (excluding Class A customers). The RSVA WMS – Sub Account CBR – Class B in account 1580 is (\$25,321) to be returned in a rate rider to Class B customers (excluding Class A customers). The remaining Group 1 balances total (\$1,094,243) also indicates a refund to all of Thunder Bay Hydro’s customers. Table 5 indicates which disposition amounts are eligible for which customer classes.

**Table 5: Disposition Eligibility**

Account Descriptions	Eligibility	Total Claim
1589 Global Adjustment	Non RPP Class B Customers	\$119,190
1580 WMS - Sub Account CBR - Class B Only	Class B Customers	(\$25,321)
1551, 1580, 1584, 1586, 1588, 1595 Remainder of Group One Account Disposition	All Customers	(\$1,094,243)
<b>Total Disposition Amount</b>		<b>(\$1,000,374)</b>

The threshold test is completed by dividing the total claim by the total system kWh, yields a result of (\$.0011) / kWh, which exceeds the threshold for disposition of \$.001 per kWh (debit or credit). However, consistent with section 3.2.5 of the *2019 Filing Requirements* and a letter issued by the Board on July 20, 2017, Thunder Bay Hydro is electing to dispose of the balances in the accounts

Threshold Test	
Total Group One Disposition Claim	(\$1,000,374)
Total Distributor Metered kWh (Non Loss Adjusted) -Class B / Class A / RPP / Non RPP	888,108,836
Total Claim per kWh	(\$0.0011)

The components of this claim, which will be allocated and recovered from varying groups of customers as indicated in Table 5, potentially meet the materiality threshold when separated. Thunder Bay Hydro is proposing a one-year disposition period for the Group 1 Deferral and Variance Accounts, with rate riders effective May 1, 2019 until April 30, 2020. Thunder Bay Hydro expects that not disposing of the Group One Variance balances in this year would result in a larger claim for disposition in the following year and could potentially indicate larger bill impacts for particular rate classes within Thunder Bay Hydro's 2020 or 2021 IRM rate application, in addition to higher carrying charges. Thunder Bay Hydro requests to dispose of the balances as of Dec 31 2017 so its customers experience the return/charges which more closely reflect recent years, and are not at risk for intergenerational gaps in disposition amounts.

Table 6 below is Thunder Bay Hydro’s proposed disposition summary organized by Principal and Interest:

**Table 6: Group One Disposition Claim**

Group One Account	Account #	Principal	Interest	Total
Smart Metering Entity Charge Variance Account	1551	(8,377)	(25)	(8,402)
RSVA - Wholesale Market Service Charge <sup>5</sup>	1580	(997,234)	(32,562)	(1,029,796)
Variance WMS – Sub-account CBR Class B <sup>5</sup>	1580	(25,634)	313	(25,321)
RSVA - Retail Transmission Network Charge	1584	67,481	(58)	67,423
RSVA - Retail Transmission Connection Charge	1586	332,278	7,554	339,832
RSVA - Power <sup>4</sup>	1588	(263,854)	(17,987)	(281,841)
RSVA - Global Adjustment <sup>4</sup>	1589	113,045	6,145	119,190
Disposition and Recovery/Refund of Regulatory Balances (2012) <sup>3</sup>	1595	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2013) <sup>3</sup>	1595	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2014) <sup>3</sup>	1595	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2015) <sup>3</sup>	1595	25	1,600	1,625
Disposition and Recovery/Refund of Regulatory Balances (2016) <sup>3</sup>	1595	222,414	(405,498)	(183,084)
<b>Total Disposition</b>		<b>(559,856)</b>	<b>(440,518)</b>	<b>(1,000,374)</b>

### 3.2.5.1 Wholesale Market Participants

Thunder Bay Hydro does not participate or embed any participants directly in any of the IESO-administrated markets.

### 3.2.5.2 Global Adjustment

The majority of Thunder Bay Hydro’s customers are Class B customers, with only 11 Class A Customers during the 2017 year. Class B customers pay the global adjustment (“GA”) charge based on the amount of electricity they consume in a month (kWh). Within the Class B group, there are two categories of customers: RPP customers who pay an RPP rate which has a built in GA adjustment component and the remaining Non-RPP customers who pay the Hourly Ontario Electricity Price, who pay a monthly GA price separately on their bills.



For Class B customers, RSVA 1589 GA captures the difference between the amounts billed (or estimated to be billed) to Non-RPP customers and the actual amount paid by the distributor to the IESO for those customers. This is the variance between the final rate for the GA and what is billed to the customers using the First Estimate loaded into the billing system. For Non-RPP customers, this variance is recorded in the USoA account 1589 RSVA GA. For RPP customers, this variance is built into the RPP rate for the following RPP term.

Customers that participate in the Industrial Conservation Initiative ("ICI"), are referred to as Class A customers and pay GA based on their percentage contribution to the top five peak Ontario demand hours (i.e. peak demand factor) over a year-long period. Thunder Bay Hydro settles GA costs with Class A customers on the basis of actual cost, so Class A customers have not contributed to the balance in 1589 RSVA GA for the period they were Class A customers.

Only Non-RPP, Non-Class A customers have contributed to the balance in the RSVA 1589 GA variance account. The balance in this account has been allocated based on Non-RPP, Non-Class A consumption in 2017.

### **3.2.5.3 Class A Global Adjustment**

The Board has included a requirement for 2019 Applications in its *2019 Filing Guidelines* for distributors to provide information regarding its Class A customers.

Thunder Bay Hydro has indicated in the IRM Rate Generator Tab 3. Continuity Schedule that it has Class A customers during the period that the Account 1589 GA balances was accumulated (i.e. from the year the balance was last disposed). This is also true for the Account 1580 CBR Balance.

Section 3.2.5.2 of the *2019 Filing Guidelines* requires that distributors propose an approximate allocation for the recovery of the GA variance. Selecting this Class A option to account for Class A customers in Tab 3. Continuity Schedule results in Tab 6. Class A Consumption Data requirement to input the Billing Determinants by Customer for kWh and kW. These reported volumes are then stripped from the disposition of 1589 Global Adjustment Disposition, and 1580 WMS – CBR Class B Disposition, to appropriately allocate the balance to Class B customers who contributed to the variance account.

From July 2016 until June 2017, Thunder Bay Hydro had 1 Class A customer with a peak demand factor of .00015929. On July 1, 2017, Thunder Bay Hydro had 10 additional customers opt into the ICI program increasing Class A customer count to 11 customers with a peak demand factor of .00072823.

Considering the Class A customer which remained in the program from 2016 to 2017 and through to the current period, there is no residual GA variance balances that have accrued prior to the customer being classified as a Class A customer. As mentioned previously, Thunder Bay Hydro settles GA with Class A customers on a monthly basis and on the basis of actual cost. As a result, this particular Class A customer did not contribute to the balance in RSVA 1589 GA for the period they were Class A customers. Therefore the entire consumption of 37,714,272 kWh is stripped from the Total Metered Non-RPP 2017 consumption used to develop a GA Rate Rider.

However, with respect to the customers who transitioned mid-year into the ICI program from 2016 to 2017 and through the current period, they have contributed partially to the residual GA variance balance which was accrued prior to the customers being classified as Class A customers. Thunder Bay Hydro has segregated the consumption data for these 10 customers who transitioned from Class B to Class A and the model will allocate the portion of Account 1589 GA based on specific consumption periods. Therefore the total metered 2017 consumption for customers that transitioned between Class A and B during the period that the GA balance accumulated in the amount of 95,002,606 kWh is also stripped from the Total Metered Non-RPP 2017 consumption used to develop a GA Rate Rider.

It is important to note that these transition customers will not be charged/refunded the general GA rate rider. All transition customers will only be responsible for the customer's specific amount which is allocated to them.

The RSVA 1589 GA balance has been allocated to the remaining Non-RPP customers based on the total Non-RPP consumption per class, excluding Class A customers. A separate rate rider is used to dispose of the balance RSVA 1589 GA. See Table 7 below for the Class A Class B split of Global Adjustment.

**Table 7: Transition Class B to Class A GA Disposition Split**

Eligibility	Consumption (kWh)	% Allocation	Claim Dollars
Total 1589 Global Adjustment	301,713,038	100.00%	\$ 119,190.00
Transition Class A/B Customer Contribution ( Jan - June)	46,853,718	15.53%	\$ 18,509.29
Remaining Class B Customers (Jan - Dec)	254,859,320	84.47%	\$ 100,680.71

All GA rate riders have been calculated on an energy basis (kWh) as per 2019 Filing Requirements section 3.2.5.2 and can be found on tab 6.1 GA in the 2019 IRM Rate Generator Model.

Additionally, WMS CBR Class B balance has also been allocated between to the remaining Class B customers based on the total Non-RPP consumption per class, excluding Class A customers using the same methodology as described above. This is described in more detail in section 3.2.5.4 in this application.

### **3.2.5.3.1 Global Adjustment Analysis Work form**

As directed by the Board for the 2019 Rate Application distributors are now required to complete the Global Adjustment (GA) Analysis Work form. The new work form compares the General Ledger principal balance to an expected principal balance based on monthly GA volumes, revenues and costs.

Thunder Bay Hydro has completed the GA Analysis Work Form; this is a calculation of the expected change in GA to the amount included. The GA Analysis helps the OEB assess if the balance being requested for disposition in Account 1589 is reasonable. This analysis helps confirm the accuracy of both accounts 1588 and 1589. Thunder Bay Hydro confirms that it has verified the Consumption Data from Note 2 reflects the RRR data which was filed April 30 2018, for 2017 volumes, non-loss adjusted.

Thunder Bay Hydro confirms that it uses the first estimate of global adjustment to bill its customers. This treatment is applicable for all customer classes and is truing up to the final rate posted by the IESO.

OEB has indicated that distributors who have a more precise monthly kWh volume data available based on allocation of billing data by calendar/load month may propose to use this data in the GA Analysis to calculate the expected GA balance. Thunder Bay Hydro has chosen to populate the GA Analysis Work form with its known actual Non-RPP Class B billed consumption with losses. Thunder Bay Hydro uses this reporting to true up its estimates once billing cycles for the quarter have fully billed out volumes. Using this metric is more precise, and results in an accurate calculation of the GA True-up between expected volumes, and the actual volumes.

Thunder Bay Hydro has provided the reconciling items which are included throughout the regular process of recording the balance for the Global Adjustment principal balance. Unresolved differences as a % of expected GA payments to the IESO fall below the OEB's instructed 1% threshold, as -0.6% variance to the principal balance.

### 3.2.5.3.2 Global Adjustment Settlement Process

The Board has included a requirement in its Filing Guidelines for distributors to provide a description of their GA settlement process with the IESO. Questions from the *2019 Filing Guidelines* are underlined below, with corresponding answers provided below each question.

- Global Adjustment Pricing

Thunder Bay Hydro confirms that it uses the first estimate of global adjustment to bill its customers. This treatment is applicable for all customer classes.

- Process for providing consumption estimates to IESO

Thunder Bay Hydro settles with the IESO for the estimated difference between spot and RPP pricing, for RPP customers within four business days of month end.

Conventional meters (Designated customers on Tier1\2 pricing) – Total estimated consumption (kWh) is determined by multiplying the current number of active customers (excluding those with retailers) by same month of the previous year's average consumption for that group. This estimated consumption is then split between Tier 1 and Tier 2 pricing based on historical trending.

Time of use meters - Total estimated consumption (kWh) is determined by multiplying the current number of active customers (excluding those with retailers) by same month of the previous year's average consumption for that group. This estimated consumption is then split between on-peak, off-peak and mid-peak, based on historical trending.

Total RPP consumption is then calculated by adding the consumption of customers on conventional meters to the TOU customer consumption.

Thunder Bay Hydro notes that its process for providing consumption (kWh) estimates to the IESO contains some inherent assumptions, in part due to data timing and data limitations. Thunder Bay Hydro performs quarterly true-ups to provide timely adjustments for any variances from the initial estimates. The true up process uses the actual known Non-RPP Class B billed consumption with losses, as reported in the GA Analysis Work form.

- Describe the true up process to reconcile estimates of RPP and Non-RPP consumption, once actuals are known

The total volume is determined by taking the actual kWh volume purchased from the IESO plus any embedded generation volume and less any Class A volume, to determine the total actual volume to be split between RPP and Non-RPP. An IT system query is run, which identifies monthly consumptions for Non-RPP customers, with the difference being RPP volume.

The Non- RPP volume is multiplied by the actual GA rate to determine the GA allocated to RPP customers and is netted against the estimate that was either paid to or received from the IESO on a monthly basis. This difference is then settled with the IESO on a quarterly basis.

- The description should detail the treatment of embedded generation or any embedded distribution customers

Embedded generation is taken into consideration with determining the total power purchases for the month.

- Distributors are reminded that they are expected to use accrual accounting

Thunder Bay Hydro confirms it uses accrual accounting in its GA settlement process.

### **3.2.5.3.3 Commodity Accounts 1588 and 1589**

Thunder Bay Hydro has reviewed the board letter issued May 23, 2017 'OEB's Guidance on Disposition and has ensured that the controls, processes, and systems for calculating RPP claims are tested to ensure its effectiveness. Thunder Bay Hydro regularly reconciles the estimates of RPP and Non-RPP consumption to actuals on a quarterly basis. In regards to RPP Settlement True Ups Thunder Bay Hydro confirms that it has been following the guidance, and truing up its settlement claims on a quarterly basis.

Thunder Bay Hydro records the balances of its RSVA Power (1588), and Global Adjustment (1589) pertaining to the period that it is being requested for disposition. This means that the RPP settlement true-up claims made with the IESO in the period subsequent to the fiscal year for which disposition is being requested for disposition.

Thunder Bay Hydro ensures that it has appropriate financial controls, processes and systems in place related to the RPP settlement claims.

#### **3.2.5.3.4 Global Adjustment Certification of Evidence**

Thunder Bay Hydro's Vice President of Finance certifies that the evidence filed in its 2019 IRM Rate Application is accurate to the best of her knowledge and belief. Thunder Bay Hydro confirms that it has robust processes and internal controls in place for the preparation, review, verification and oversight of the account balances being disposed, consisted with the certification requirements in Chapter 1 of the filing requirements.

#### **3.2.5.4 Capacity Based Recovery**

Thunder Bay Hydro confirms that it follows the OEB Accounting Guidance on CBR issued by the Board on July 25 2016.

Thunder Bay Hydro bills its Class A customers their share of the actual CBR Charge, equal to Charge Type 1350 on the monthly IESO invoice, based on the respective percentage related to Peak Demand Factor. Class A Customers are billed by the IESO for CBR Costs recorded under charge type 1350 for CBR for Class A consumption are recorded in account 4708 charges – WMS Sub Account CBR Class A.

Thunder Bay Hydro records WMS revenues for CBR on all consumption effective January 1, 2017 and onwards for Class B customers, excluding Wholesale Market Participants. Costs recorded under charge type 1351 for CBR Class B consumption is recorded in Accounts 4708 Charges – WMS, Sub Accounts CBR Class B. Thunder Bay Hydro tracks the variance between the revenue billed to customers for Class B CBR and the costs recorded under Charge Type 1351 for CBR in Account 1580 WMS Sub Account CBR Class B. Carrying charges are applied monthly opening balances at the board prescribed rate.

Thunder Bay Hydro has indicated in the 2019 IRM Rate Generator Tab 3. Continuity Schedule that it has Class A customers during the period that the Account 1580 WMS CBR balances was accumulated (i.e. from the year the balance was last disposed).

Section 3.2.5.2 of the *2016 Filing Guidelines* requires that distributors propose an approximate allocation for the recovery of the CBR variance. Selecting this Class A option to account for Class A customers in Tab 3. Continuity Schedule results in Tab 6. Class A Consumption Data requirement to input the Billing Determinants by Customer for kWh and kW. This tab segregates the consumption for those transition customers who have moved from Class B to Class A during the account accumulation period so that

balances maybe appropriately applied to those customers that attributed to them. These reported volumes are then stripped from the disposition of 1580 WMS – CBR Class B Disposition, to appropriately allocate the balance to Class B customers who contributed to the variance account (as has been earlier described in section 3.2.5.3 Global Adjustment).

Following this exercise Thunder Bay Hydro's allocated CBR Class B amount results in a volumetric rate rider that rounds to zero at the fourth decimal place in all rate classes. Therefore the entire balance in Account 1580, CBR Class B is added to the Account 1580 WMS Control account to be disposed of through the general purpose Group 1 DVA rate riders.

Account 1580 Sub Account CBR Class A is not disposed of through rate proceedings but directly as discussed earlier. A residual balance is recorded at year end December 31, 2016 for WMS – Sub Account - CBR Class A which Thunder Bay Hydro acknowledges is applicable for only one of its Class A customers during the specific accumulation period. Thunder Bay Hydro notes that this balance was accumulated during the 2015/2016 year and has since received approval for the direct customer disposition/billing of the account balance in its 2017 Cost of Service Rate Application (EB-2016-0105) approved October 19, 2017. Thunder Bay Hydro can confirm that this settlement has been completed and this is consistent with data inputted in tab 3. Continuity Schedule.

### **3.2.5.5 Account 1595 Analysis Work form**

Thunder Bay Hydro is requesting for approvals to dispose of the deferrals and variance account balances for 1595 sub-account vintages 1595-2015, and 1595-2016. Thunder Bay Hydro seeks to dispose of the 1595 sub accounts for each vintage year on a final basis.

As per the new requirements distributors who meet the requirements for disposition of residual balances of account 1595-subaccounts must complete the 1595 analysis work form. The new work form compares principal and interest amounts previously approved for disposition to the residual balances which are remaining after amounts have been recovered/ refunded to customers through rate riders.

Thunder Bay Hydro has as per the board guidance assessed the groupings of disposition and provided explanations to the group of accounts which exceeded the +/- 10% threshold. Thunder Bay Hydro has provided further analysis to the material residual balances by customer rate class on the Account 1595 Workform in the sections provided.

### **3.2.6 LRAMVA**

Thunder Bay Hydro acknowledges, in accordance with the Board's Filing Guidelines for Conservation and Demand Management ("CDM"), at minimum, distributors must apply for disposition of the balance in the Lost Revenue Adjustment Mechanism Variance Account ("LRAMVA") at the time of their Cost of Service rate application. Distributors may apply for the disposition of the balance in the LRAMVA on an annual basis, as part of their IRM rate applications, if the balance is deemed significant.

Thunder Bay Hydro will not be seeking disposition of its 2016 LRAMVA or 2017 LRAMVA in its 2019 IRM Rate Application and has not included the amount in Tab 3 - Continuity Schedule.

#### **3.2.6.1 Disposition of LRAMVA**

In Thunder Bay Hydro's Cost of Service rate application (EB-2016-0105) Thunder Bay Hydro requested and was approved disposition of LRAMVA for the account balance of \$10,637 as at December 31<sup>st</sup> 2015. In its application Thunder Bay Hydro also provided its LRAM model (for CDM program period 2012 – 2014 inclusive) which was reviewed and accepted by OEB Staff and Intervenors within in the settled issues in the settlement agreement. Thunder Bay Hydro does not seek any claim related to LRAMVA at this time.

### **3.2.7 Tax Changes**

Under a 4th Generation IR, a 50/50 sharing of the impact of currently known legislated tax changes as applied to the tax level reflected in the Board approved base rates for a distributor applies. In Thunder Bay Hydro's most recent Cost of Service electricity distribution rate application (EB-2016-0105), the corporate tax rate used in this determination was 26.5% for May 1, 2017 rates. Currently there is no known legislated tax changes in 2019 that will apply to the tax level reflected in the Board approved base rates determined in Thunder Bay Hydro's most recent cost of service application.

Thunder Bay Hydro has entered the PILS data from its 2017 Cost of Service Application into "Tab 8 – STS Tax Change". Thunder Bay Hydro is not claiming taxable capital.

### **3.2.8 Z-Factor Claims**

Thunder Bay Hydro is not requesting the recovery of costs associated with unforeseen events or extraordinary costs by means of a Z-Factor in this application.



## **3.3 Elements Specific Only to the Price Cap IR Plan**

### **3.3.1 / 3.3.2 Advanced Capital Model\Incremental Capital Module**

Thunder Bay Hydro is not proposing any Incremental Capital Module cost recovery in this application and as a result, not completed the 2019 Capital Module application to ACM and ICM.

### **3.3.3 Treatment of Costs for “Eligible Investments”**

Thunder Bay Hydro is not requesting advanced funding for renewable generation connection costs or smart grid development costs at this time.

### **3.3.4 Conservation and Demand Management Costs for Distributors**

Thunder Bay Hydro confirms, in accordance with the Section 3.3.4 of the *2019 Filing Requirements* that no CDM costs are included in distribution rates. These costs were excluded from Revenue Requirement calculations in Thunder Bay Hydro’s 2017 Cost of Service Rate application.

### **3.3.5 Off Ramps**

Thunder Bay Hydro’s 2017 RRR April 30, 2018 filing included a regulated achieved ROE for 2017 within the 300 basis point dead band. Thunder Bay Hydro has not exceeded the ROE dead band and continues to request a Price Cap IR adjustment in this application.

## **3.4 Specific Exclusions from Price Cap IR or Annual IR Index Applications**

Thunder Bay Hydro confirms that it is not seeking items specifically excluded from the IRM rate application process, in this application.

### **3.4.1 Specific Request**

Thunder Bay Hydro confirms that it is not seeking any specific requests in this rate application process.

### 3.5 Bill Impacts

The service and rate classifications, together with the associated electricity distribution rates included in the 2019 IRM models, are those approved by the Board in its Decision and Orders in Thunder Bay Hydro's 2017 Cost of Service Rate Application (EB-2016-0105).

The total bill impact to a Residential Regulated Price Plan customer with a monthly electricity consumption of 750 kWh's is a decrease of (\$1.05) or (0.99%) per month (inc.HST and 8% rebate).

The total bill impact to a Residential Regulated Price Plan low energy customer with a monthly electricity consumption of 249 kWh's is an increase of \$1.38 or 2.68% per month (inc.HST and 8% rebate).

The total bill impact to a "General Service < 50 kW Service Classification" Regulated Price Plan customer with a monthly electricity consumption of 2,000 kWh's is a decrease of (\$1.48) or (0.54%) per month (inc.HST and 8% rebate).

The following Table 7 includes a summary of the bill impacts for each rate class, based on the outcomes of the detailed bill impacts in Tab 20 of the 2018 IRM Rate Generator Model.

**Table 8: Bill Impact Summary**

RATE CLASSES / CATEGORIES <i>(eg: Residential TOU, Residential Retailer)</i>	Units	Sub-Total						Total	
		A		B		C		Total Bill	
		\$	%	\$	%	\$	%	\$	%
RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	\$ (0.31)	-1.3%	\$ (0.76)	-2.8%	\$ (1.00)	-2.7%	\$ (1.05)	-1.0%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION - RPP	kWh	\$ 0.41	0.7%	\$ (0.79)	-1.1%	\$ (1.41)	-1.6%	\$ (1.48)	-0.5%
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	\$ 4.51	0.8%	\$ 2.91	0.5%	\$ (12.20)	-1.2%	\$ (13.79)	-0.2%
GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICATION - Non-RPP (Other)	kW	\$ 54.10	0.8%	\$ 45.01	0.7%	\$ (162.94)	-1.2%	\$ (184.12)	-0.2%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - RPP	kWh	\$ 0.10	0.8%	\$ (0.06)	-0.4%	\$ (0.19)	-1.0%	\$ (0.21)	-0.4%
SENTINEL LIGHTING SERVICE CLASSIFICATION - RPP	kW	\$ 0.11	0.7%	\$ (0.05)	-0.4%	\$ (0.15)	-0.9%	\$ (0.17)	-0.7%
STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kW	\$ 0.06	0.8%	\$ (0.05)	-0.7%	\$ (0.15)	-1.4%	\$ (0.17)	-0.7%
RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	\$ 1.54	6.6%	\$ 1.39	5.7%	\$ 1.31	4.8%	\$ 1.38	2.7%
RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$ (0.31)	-1.3%	\$ (0.39)	-1.4%	\$ (0.62)	-1.7%	\$ (0.70)	-0.5%

Thunder Bay Hydro notes that none of its customer rate classes are nearing the 10% threshold (Section C) which is the threshold consideration for mitigation measures by distributors. As a result of this discovery Thunder Bay Hydro does not propose any mitigation measures for these customer classes.

# **APPENDICES**

## Appendix A: 2019 Rate Generator Model

Ontario Energy Board

# Incentive Regulation Model for 2019 Filers

Version 2.0

<b>Utility Name</b>	Thunder Bay Hydro Electricity Distribution Inc.
<b>Assigned EB Number</b>	EB-2018-0069
<b>Name of Contact and Title</b>	Brittany J Ashby
<b>Phone Number</b>	807-343-1054
<b>Email Address</b>	bashby@tbhydro.on.ca
<b>We are applying for rates effective</b>	May 1, 2019 (+)
<b>Rate-Setting Method</b>	Price Cap IR
<b>Please indicate in which Rate Year the Group 1 accounts were last cleared<sup>1</sup></b>	2018
<b>Please indicate the last Cost of Service Re-Basing Year</b>	2017

### Legend

- Pale green cells represent input cells.
- Pale blue cells represent drop-down lists. The applicant should select the appropriate item from the drop-down list.
- Pale grey cell represent auto-populated RRR data
- White cells contain fixed values, automatically generated values or formulae.

### Note:

#### 1. Rate year of application

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

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

# Thunder Bay Hydro Electricity Distribution Inc.

## TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2018

approved schedules of Rates, Charges and Loss Factors

EB-2017-0075

### RESIDENTIAL SERVICE CLASSIFICATION

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

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	22.23
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0037
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kWh	(0.0005)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0053

### 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

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 1,000 kW. This class includes medium and large-size commercial buildings, apartment buildings, condominiums, trailer courts, industrial plants, as well as large stores, shopping centers, hospitals, manufacturing or processing plants, garages, storage buildings, hotels, motels, schools, colleges, arenas and other comparable premises. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply:

General Service 50 to 1,000 kW non-interval metered

General Service 50 to 1,000 kW interval metered.

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

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	27.38
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0178
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019		
Applicable only for Non-RPP Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kWh	(0.0005)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0057
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0049

### 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

## GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 1,000 kW. This class includes medium and large-size commercial buildings, apartment buildings, condominiums, trailer courts, industrial plants, as well as large stores, shopping centers, hospitals, manufacturing or processing plants, garages, storage buildings, hotels, motels, schools, colleges, arenas and other comparable premises. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply:

General Service 50 to 1,000 kW non-interval metered

General Service 50 to 1,000 kW interval metered.

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

### APPLICATION

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

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

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

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	\$	206.08
Distribution Volumetric Rate	\$/kW	3.3505
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	(0.2848)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable only for Class B Customers	\$/kW	(0.0296)
Retail Transmission Rate - Network Service Rate	\$/kW	2.2436
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8598
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.3799
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.0557

### 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

## GENERAL SERVICE 1,000 KW OR GREATER SERVICE

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 1,000 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O.Reg.429/04. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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	\$	2,948.48
Distribution Volumetric Rate	\$/kW	2.8240
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019		
Applicable only for Non-RPP Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	(0.2327)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019		
Applicable only for Class B Customers	\$/kW	(0.0248)
Retail Transmission Rate - Network Service Rate	\$/kW	2.3799
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0557

### 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



## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less whose monthly average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, private sentinel lighting etc. The customer will provide detailed manufacturing information/documentation with regard to electrical demand/consumption of the proposed unmetered load. 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)	\$	8.15
Distribution Volumetric Rate	\$/kWh	0.0119
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kWh	(0.0005)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0057
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0049

### 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

## SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light. 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)	\$	8.05
Distribution Volumetric Rate	\$/kW	6.4587
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	(0.1598)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable only for Class B Customers	\$/kW	(0.0260)
Retail Transmission Rate - Network Service Rate	\$/kW	1.7008
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4680

### 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

## STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting operation, controlled by photocells. The consumption for these customers will be based on the calculated load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. 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)	\$	1.12
Distribution Volumetric Rate	\$/kW	6.7322
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	(0.3462)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable only for Class B Customers	\$/kW	(0.0294)
Retail Transmission Rate - Network Service Rate	\$/kW	1.6919
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4378

### 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

## 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
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### ALLOWANCES

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

## SPECIFIC SERVICE CHARGES

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

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

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

### Customer Administration

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Easement letter	\$	15.00
Account history	\$	15.00
Returned cheque (plus bank charges)	\$	25.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
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
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

Service call - customer-owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	22.35

## RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

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

## LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer	1.0394
Total Loss Factor - Primary Metered Customer	1.0290

		2012									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2012	Transactions Debit/ (Credit) during 2012	OEB-Approved Disposition during 2012	Principal Adjustments <sup>1</sup> during 2012	Closing Principal Balance as of Dec 31, 2012	Opening Interest Amounts as of Jan 1, 2012	Interest Jan 1 to Dec 31, 2012	OEB-Approved Disposition during 2012	Interest Adjustments <sup>1</sup> during 2012	Closing Interest Amounts as of Dec 31, 2012
<b>Group 1 Accounts</b>											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge <sup>5</sup>	1580					0					0
Variance WMS – Sub-account CBR Class A <sup>5</sup>	1580					0					0
Variance WMS – Sub-account CBR Class B <sup>5</sup>	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power <sup>4</sup>	1588					0					0
RSVA - Global Adjustment <sup>4</sup>	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2012) <sup>3</sup>	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013) <sup>3</sup>	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2014) <sup>3</sup>	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2015) <sup>3</sup>	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2016) <sup>3</sup>	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017) <sup>3</sup>	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2018) <sup>3</sup>	1595					0					0
<i>Not to be disposed of until a year after rate rider has expired and that balance has been audited</i>	1595					0					0
<b>RSVA - Global Adjustment</b>	<b>1589</b>	0	0	0	0	0	0	0	0	0	0
<b>Total Group 1 Balance excluding Account 1589 - Global Adjustment</b>		0	(364)	0	0	(364)	0	0	0	0	0
<b>Total Group 1 Balance</b>		0	(364)	0	0	(364)	0	0	0	0	0
<b>LRAM Variance Account (only input amounts if applying for disposition of this account)</b>	<b>1568</b>										
<b>Total including Account 1568</b>		0	(364)	0	0	(364)	0	0	0	0	0







# 2015

Opening Principal Amounts as of Jan 1, 2015	Transactions Debit/ (Credit) during 2015	OEB-Approved Disposition during 2015	Principal Adjustments <sup>1</sup> during 2015	Closing Principal Balance as of Dec 31, 2015	Opening Interest Amounts as of Jan 1, 2015	Interest Jan 1 to Dec 31, 2015	OEB-Approved Disposition during 2015	Interest Adjustments <sup>1</sup> during 2015	Closing Interest Amounts as of Dec 31, 2015
0			0	0	0			0	0
0			(4,390)	(4,390)	0			15	15
0			(2,261,835)	(2,261,835)	0			(11,777)	(11,777)
0			6,168	6,168	0			19	19
0			237,369	237,369	0			752	752
0			(452,577)	(452,577)	0			(6,596)	(6,596)
0			(651,365)	(651,365)	0			(12,943)	(12,943)
0			(81,274)	(81,274)	0			(31,819)	(31,819)
0			2,517,177	2,517,177	0			34,657	34,657
0			192,604	192,604	0			(187,098)	(187,098)
0			345,571	345,571	0			(233,434)	(233,434)
0			92,576	92,576	0			(40,465)	(40,465)
0			(1,023,130)	(1,023,130)	0			(127,971)	(127,971)
0			0	0	0			0	0
0			0	0	0			0	0
0			0	0	0			0	0
0			0	0	0			0	0
0	0	0	2,517,177	2,517,177	0	0	0	34,657	34,657
(364)	0	0	(3,600,283)	(3,600,647)	0	0	0	(651,317)	(651,317)
(364)	0	0	(1,083,106)	(1,083,470)	0	0	0	(616,660)	(616,660)
(364)	0	0	(1,083,106)	(1,083,470)	0	0	0	(616,660)	(616,660)

# 2016

Opening Principal Amounts as of Jan 1, 2016	Transactions Debit/ (Credit) during 2016	OEB-Approved Disposition during 2016	Principal Adjustments <sup>1</sup> during 2016	Closing Principal Balance as of Dec 31, 2016	Opening Interest Amounts as of Jan 1, 2016	Interest Jan 1 to Dec 31, 2016	OEB-Approved Disposition during 2016	Interest Adjustments <sup>1</sup> during 2016	Closing Interest Amounts as of Dec 31, 2016
0	0	0	0	0	0	0	0	0	0
(4,390)	8,059	749	0	2,920	15	(35)	56	0	(76)
(2,261,835)	(979,061)	(187,524)	0	(3,053,372)	(11,777)	(29,367)	(814)	0	(40,330)
6,168	(1,415)	0	0	4,753	19	54	0	0	73
237,369	(65,002)	0	0	172,367	752	2,119	0	0	2,871
(452,577)	(108,761)	(239,969)	0	(321,369)	(6,596)	(4,841)	(5,506)	0	(5,931)
(651,365)	88,448	(429,963)	0	(132,954)	(12,943)	(4,028)	(9,957)	0	(7,014)
(81,274)	800,906	(187,964)	0	907,596	(31,819)	(2,761)	(29,541)	0	(5,039)
2,517,177	(36,499)	1,591,357	0	889,321	34,657	17,445	41,420	0	10,682
192,604	0	192,604	0	0	(187,098)	706	(186,369)	0	(23)
345,571	0	345,701	0	(130)	(233,434)	1,266	(232,162)	0	(6)
92,576	(1,305)	0	0	91,271	(40,465)	1,019	0	0	(39,446)
(1,023,130)	836,805	0	0	(186,325)	(127,971)	(4,246)	0	0	(132,217)
0	(440,920)	(1,084,996)	0	644,076	0	7,336	422,877	0	(415,541)
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
2,517,177	(36,499)	1,591,357	0	889,321	34,657	17,445	41,420	0	10,682
(3,600,647)	137,754	(1,591,357)	0	(1,871,536)	(651,317)	(32,778)	(41,420)	0	(642,674)
(1,083,470)	101,255	0	0	(982,215)	(616,660)	(15,333)	(0)	0	(631,992)
(1,083,470)	101,255	0	0	(982,215)	(616,660)	(15,333)	(0)	0	(631,992)

# 2017

Opening Principal Amounts as of Jan 1, 2017	Transactions Debit/ (Credit) during 2017	OEB-Approved Disposition during 2017	Principal Adjustments <sup>1</sup> during 2017	Closing Principal Balance as of Dec 31, 2017	Opening Interest Amounts as of Jan 1, 2017	Interest Jan 1 to Dec 31, 2017	OEB-Approved Disposition during 2017	Interest Adjustments <sup>1</sup> during 2017	Closing Interest Amounts as of Dec 31, 2017
0		0		0	0		0		0
2,920	(18,655)	(5,139)		(10,596)	(76)	(92)	(116)		(52)
(3,053,372)	(997,234)	(2,074,311)		(1,976,295)	(40,330)	(25,049)	(41,386)		(23,993)
4,753	1,415	6,168		1	73	36	109		(0)
172,367	(25,634)	237,369		(90,636)	2,871	(171)	4,230		(1,530)
(321,369)	67,481	(212,608)		(41,280)	(5,931)	(3,542)	(4,208)		(5,264)
(132,954)	332,278	(221,402)		420,726	(7,014)	1,009	(6,233)		228
907,596	(263,860)	106,684		537,052	(5,039)	2,025	(708)		(2,306)
889,321	113,045	925,820		76,546	10,682	2,786	6,816		6,652
0		0		0	(23)		(23)		0
(130)		(130)		0	(6)	3	(3)		0
91,271	(16)	91,255		0	(39,446)	(314)	(39,759)		(0)
(186,325)	25	0		(186,300)	(132,217)	(1,569)	0		(133,786)
644,076	(421,664)	0		222,413	(415,541)	4,655	0		(410,886)
0	822,925	870,052		(47,128)	0	(6,975)	53,883		(60,858)
0				0	0	0	0		0
889,321	113,045	925,820	0	76,546	10,682	2,786	6,816	0	6,652
(1,871,536)	(502,937)	(1,202,062)	0	(1,172,411)	(642,674)	(29,984)	(34,214)	0	(638,445)
(982,215)	(389,892)	(276,242)	0	(1,095,865)	(631,992)	(27,198)	(27,398)	0	(631,792)
				0	0				0
(982,215)	(389,892)	(276,242)	0	(1,095,865)	(631,992)	(27,198)	(27,398)	0	(631,792)

# 2018

Principal Disposition during 2018 - instructed by OEB	Interest Disposition during 2018 - instructed by OEB	Closing Principal Balances as of Dec 31, 2017 Adjusted for Disposition during 2018	Closing Interest Balances as of Dec 31, 2017 Adjusted for Disposition during 2018
0	0	0	0
(2,219)	(230)	(8,377)	178
(979,061)	(15,588)	(997,234)	(8,405)
0	0	1	(0)
(65,002)	(2,464)	(25,634)	934
(108,761)	(3,572)	67,481	(1,692)
88,448	723	332,278	(495)
800,906	9,289	(263,854)	(11,595)
(36,499)	3,246	113,045	3,406
0	0	0	0
0	0	0	0
0	0	0	(0)
(186,325)	(135,385)	25	1,599
0	0	222,413	(410,886)
0	0	(47,128)	(60,858)
0	0	0	0
(36,499)	3,246	113,045	3,406
(452,014)	(147,227)	(720,397)	(491,218)
(488,513)	(143,981)	(607,352)	(487,811)
0	0	0	0
(488,513)	(143,981)	(607,352)	(487,811)

# Projected Interest on Dec-31-17 Balances

# 2.1.7 RRR

Projected Interest from Jan 1, 2018 to Dec 31, 2018 on Dec 31, 2017 balance adjusted for disposition during 2018 <sup>2</sup>	Projected Interest from Jan 1, 2019 to Apr 30, 2019 on Dec 31, 2017 balance adjusted for disposition during 2018 <sup>2</sup>	Total Interest	Total Claim	As of Dec 31, 2017	Variance RRR vs. 2017 Balance (Principal + Interest)
0	0	0	0	0	0
(150)	(53)	(25)	(8,402)	(10,648)	0
(17,875)	(6,283)	(32,563)	(1,029,797)	(2,092,457)	(92,169)
0	0	(0)	0	0	(1)
(459)	(161)	313	(25,321)	(92,166)	(0)
1,210	425	(58)	67,423	(46,545)	(0)
5,956	2,093	7,554	339,833	420,954	0
(4,730)	(1,662)	(17,987)	(281,840)	534,746	(0)
2,026	712	6,145	119,190	83,198	(0)
0	0	0	<input checked="" type="checkbox"/> Check to Dispose of Account	0	(0)
0	0	0	<input checked="" type="checkbox"/> Check to Dispose of Account	0	(0)
0	0	(0)	<input checked="" type="checkbox"/> Check to Dispose of Account	0	(0)
0	0	1,600	<input checked="" type="checkbox"/> Check to Dispose of Account	1,625	(320,086)
3,987	1,401	(405,498)	<input checked="" type="checkbox"/> Check to Dispose of Account	(183,085)	(188,472)
(845)	(297)	(61,999)	<input type="checkbox"/> Check to Dispose of Account	0	(107,986)
0	0	0	<input type="checkbox"/> Check to Dispose of Account	0	0
2,026	712	6,145	119,190	83,198	(0)
(12,913)	(4,538)	(508,669)	(1,119,564)	(1,810,493)	363
(10,887)	(3,826)	(502,524)	(1,000,374)	(1,727,295)	362
0	0	0	0	0	0
(10,887)	(3,826)	(502,524)	(1,000,374)	(1,727,295)	362

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

- 1 Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting
- 2 If the LDC's rate year begins on January 1, 2019, the projected interest is recorded from January 1, 2018 to December 31, 2018 on the December 31, 2017 balances adjusted for the disposed balances approved by the OEB in the 2018 rate decision. If the LDC's rate year begins on May 1, 2019, the projected interest is recorded from January 1, 2018 to April 30, 2019 on the December 31, 2017 balances adjusted for the disposed interest balances approved by the OEB in the 2018 rate decision.
- 3 The individual sub-accounts as well as the total for all Account 1595 sub-accounts is to agree to the RRR data. Differences need to be explained. For each Account 1595 sub-account, the transfer of the balance approved for disposition into Account 1595 is to be recorded in "OEB Approved Disposition" column. The recovery/refund is to be recorded in the "Transaction" column. The audited balance in the account is only to be disposed a year after the recovery/refund period has been completed. Generally, no further transactions would be expected to flow through the account after that. Any vintage year of Account 1595 is only to be disposed once on a final basis. No further dispositions of these accounts are generally expected thereafter, unless justified by the distributor.  
Select the "Check to dispose of account" checkbox in column BT if the sub-account is requested for disposition.
- 4 Effective May 23, 2017, per the OEB's letter titled Guidance on Disposition of Accounts 1588 and 1589, applicants must reflect RPP Settlement true-up claims pertaining to the period that is being requested for disposition in Accounts 1588 and 1589. This is to include true ups that impact the GA as well. The amount requested for disposition starts with the audited account balance. If the audited account balance does not reflect the true-up claims for that year, the impacts of the true-up claims are to be shown in the Adjustment column in that year. Note that this true-up claim will need to be reversed in the amount requested for disposition in the following year. However, if the RPP Settlement true-up claim was not reflected at the end of the last year of the account balance that was previously disposed, then no adjustment would have to be made in the first year at the beginning of the current period being requested for disposition. This way the adjustment is appropriately captured in the last year of the previously disposed period and the first year of the current period requested for disposition.  
Note that if a distributor has any balance in Account 1589 that pertains to Class A, this must be excluded from the balance requested for disposition.
- 5 Account 1580 RSVA WMS balance inputted into this schedule is to exclude any amounts relating to CBR. CBR amounts are to be inputted into Account 1580, sub-accounts CBR Class A and Class B separately. There is no disposition of Account 1580, sub-account CBR Class A, accounting guidance for this sub-account is to be followed. If a balance exists for Account 1580, sub-account CBR Class A as at Dec. 31, 2017, the balance must be explained.

Rate Class	Unit	Total Metered kWh	Total Metered kW	Metered kWh for Non-RPP Customers (excluding WMP)	Metered kW for Non-RPP Customers (excluding WMP)	Metered kWh for Wholesale Market Participants (WMP)	Metered kW for Wholesale Market Participants (WMP)	Total Metered kWh less WMP consumption (if applicable)	Total Metered kW less WMP consumption (if applicable)	1595 Recovery Proportion (2012) <sup>1</sup>	1595 Recovery Proportion (2013) <sup>1</sup>	1595 Recovery Proportion (2014) <sup>1</sup>	1595 Recovery Proportion (2015) <sup>1</sup>	1595 Recovery Proportion (2016) <sup>1</sup>	1568 LRAM Variance Account Class Allocation (\$ amounts)	Number of Customers for Residential and GS<50 classes <sup>3</sup>
RESIDENTIAL SERVICE CLASSIFICATION	kWh	318,894,625	0	5,098,555	0	0	0	318,894,625	0	34%	40%	40%	23%	15%		45,679
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	138,709,073	0	18,510,946	0	0	0	138,709,073	0	13%	19%	15%	10%	8%		4,673
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	264,669,572	677,566	200,008,067	495,263	0	0	264,669,572	677,566	32%	25%	27%	40%	44%		
GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICATION	kW	156,267,175	498,167	156,267,175	498,167	0	0	156,267,175	498,167	20%	14%	16%	25%	31%		
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,070,870	0	367,569	0	0	0	2,070,870	0	0%	0%	0%	0%	0%		
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	112,347	335	0	0	0	0	112,347	335	0%	0%	0%	0%	0%		
STREET LIGHTING SERVICE CLASSIFICATION	kW	7,385,174	20,887	7,323,886	20,700	0	0	7,385,174	20,887	1%	1%	1%	2%	2%		
<b>Total</b>		888,108,836	1,196,955	387,576,198	1,014,130	0	0	888,108,836	1,196,955	100%	100%	100%	100%	100%	0	50,352

**Threshold Test**

Total Claim (including Account 1568)	(\$1,000,374)
Total Claim for Threshold Test (All Group 1 Accounts)	(\$1,000,374)
Threshold Test (Total claim per kWh) <sup>2</sup>	(\$0.0011)

1568 Account Balance from Continuity Schedule	0
Total Balance of Account 1568 in Column S matches the amount entered on the Continuity Schedule	

<sup>1</sup> Residual Account balance to be allocated to rate classes in proportion to the recovery share as established when rate riders were implemented.

<sup>2</sup> The Threshold Test does not include the amount in 1568.

<sup>3</sup> The proportion of customers for the Residential and GS<50 Classes will be used to allocate Account 1551.



No input required. This workshseet allocates the deferral/variance account balances (Group 1 and 1568) to the appropriate classes as per EDDVAR dated July 31, 2009

## Allocation of Group 1 Accounts (including Account 1568)

Rate Class	% of Total kWh	% of Customer Numbers **	% of Total kWh adjusted for WMP	allocated based on Total less WMP		
				1550	1551	1580
RESIDENTIAL SERVICE CLASSIFICATION	35.9%	90.7%	35.9%	0	(7,622)	(378,863)
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	15.6%	9.3%	15.6%	0	(780)	(164,793)
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	29.8%	0.0%	29.8%	0	0	(314,441)
GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICATION	17.6%	0.0%	17.6%	0	0	(185,653)
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	0.2%	0.0%	0.2%	0	0	(2,460)
SENTINEL LIGHTING SERVICE CLASSIFICATION	0.0%	0.0%	0.0%	0	0	(133)
STREET LIGHTING SERVICE CLASSIFICATION	0.8%	0.0%	0.8%	0	0	(8,774)
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0</b>	<b>(8,402)</b>	<b>(1,055,118)</b>

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

1 Please select the Year the Account 1580 CBR Class B was Last Disposed.

(e.g. If in the 2018 EDR process, you received approval to dispose the GA variance account balance as at December 31, 2016, enter 2016.)

2a Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1589 GA balance accumulated (i.e. from the year after the balance was last disposed to 2017)?

(e.g. If you received approval to dispose of the GA variance account balance as at December 31, 2015, the period the GA variance accumulated would be 2016 and 2017.)

2b Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1580, sub-account CBR Class B balance accumulated (i.e. from the year after the balance was last disposed to 2017)?

(e.g. If you received approval to dispose of the CBR Class B balance as at December 31, 2016, the period the CBR Class B variance accumulated would be 2017.)

3a Enter the number of transition customers you had during the period the Account 1589 GA balance accumulated.



Transition Customers - Non-loss Adjusted Billing Determinants by Customer

Customer	Rate Class		2017	
			January to June	July to December
Customer 1	GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICA	kWh	5,334,300	5,032,800
		kW	12,188	11,977
		Class A/B	B	A
Customer 2	GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICA	kWh	9,907,560	10,006,920
		kW	17,502	18,654
		Class A/B	B	A
Customer 3	GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICA	kWh	3,762,720	5,389,920
		kW	17,694	18,951
		Class A/B	B	A
Customer 4	GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICA	kWh	7,427,628	4,797,972
		kW	16,069	10,985
		Class A/B	B	A
Customer 5	GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICA	kWh	3,128,880	3,682,240
		kW	12,788	13,106
		Class A/B	B	A
Customer 6	GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICA	kWh	1,850,280	2,140,800
		kW	11,896	13,247
		Class A/B	B	A
Customer 7	GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICA	kWh	5,499,408	7,423,200
		kW	25,837	30,348
		Class A/B	B	A
Customer 8	GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICA	kWh	3,297,720	4,236,960
		kW	18,009	19,549
		Class A/B	B	A
Customer 9	GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICA	kWh	3,540,750	2,571,300
		kW	8,379	6,070
		Class A/B	B	A
Customer 10	GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICA	kWh	3,104,472	2,866,776
		kW	15,878	18,668
		Class A/B	B	A

3b

Enter the number of customers who were Class A during the entire period since the Account 1589 GA balance accumulated (i.e. did not transition between Class A and B).

Clear All

**Class A Customers - Billing Determinants by Customer**

Customer	Rate Class		2017
Customer A1	GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICA	kWh	37,714,272
		kW	75,140

Year the Account 1589 GA Balance Last Disposed

2016

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

		Total	2017
Total Non-RPP Class B Consumption for Years During Balance Accumulation (Non-RPP Consumption LESS WMP Consumption and Consumption for Class A customers who were Class A for partial or full year)	A	301,713,038	301,713,038
Transition Customers' Class B Consumption (i.e. full year or partial year)	B	46,853,718	46,853,718
<b>Transition Customers' Portion of Total Consumption</b>	C=B/A	<b>15.53%</b>	

**Allocation of Total GA Balance \$**

Total GA Balance	D	\$ 119,190
Transition Customers Portion of GA Balance	E=C*D	\$ 18,509
GA Balance to be disposed to Current Class B Customers through Rate Rider	F=D-E	\$ 100,681

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

# of Class A/B Transition Customers		10				
Customer		Total Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers	Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers in 2017	% of kWh	Customer Specific GA Allocation for the Period When They Were a Class B customer	Monthly Equal Payments
Customer 1		5,334,300	5,334,300	11.39%	\$ 2,107	\$ 176
Customer 2		9,907,560	9,907,560	21.15%	\$ 3,914	\$ 326
Customer 3		3,762,720	3,762,720	8.03%	\$ 1,486	\$ 124
Customer 4		7,427,628	7,427,628	15.85%	\$ 2,934	\$ 245
Customer 5		3,128,880	3,128,880	6.68%	\$ 1,236	\$ 103
Customer 6		1,850,280	1,850,280	3.95%	\$ 731	\$ 61
Customer 7		5,499,408	5,499,408	11.74%	\$ 2,173	\$ 181
Customer 8		3,297,720	3,297,720	7.04%	\$ 1,303	\$ 109
Customer 9		3,540,750	3,540,750	7.56%	\$ 1,399	\$ 117
Customer 10		3,104,472	3,104,472	6.63%	\$ 1,226	\$ 102
Total		46,853,718	46,853,718	100.00%	\$ 18,509	

The purpose of this tab is to calculate the GA rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1589 GA was last disposed. Calculations in this tab will be modified upon completion of tab 6.1a, which allocates a portion of the GA balance to transition customers, if applicable.

Effective January 2017, the billing determinant and all rate riders for the disposition of GA balances will be calculated on an energy basis (kWhs) regardless of the billing determinant used for distribution rates for the particular class (see Chapter 3, Filing Requirements, section 3.2.5.2)

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

Rate Rider Recovery to be used below

		Total Metered 2017 Consumption for Class A Customers that were Class A for the entire period GA balance accumulated	Total Metered 2017 Consumption for Customers that Transitioned Between Class A and B during the period GA balance accumulated	Non-RPP Metered Consumption for Current Class B Customers (Non-RPP Consumption excluding WMP, Class A and Transition Customers' Consumption)	% of total kWh	Total GA \$ allocated to Current Class B Customers	GA Rate Rider	
	kWh	kWh	kWh	kWh				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	5,098,555	0	0	5,098,555	2.0%	\$2,014	\$0.0004
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	18,510,946	0	0	18,510,946	7.3%	\$7,313	\$0.0004
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	200,008,067	0	0	200,008,067	78.5%	\$79,012	\$0.0004
CLASSIFICATION	kWh	156,267,175	37,714,272	95,002,606	23,550,297	9.2%	\$9,303	\$0.0004
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	367,569	0	0	367,569	0.1%	\$145	\$0.0004
SENTINEL LIGHTING SERVICE CLASSIFICATION	kWh	0	0	0	0	0.0%	\$0	\$0.0000
STREET LIGHTING SERVICE CLASSIFICATION	kWh	7,323,886	0	0	7,323,886	2.9%	\$2,893	\$0.0004
<b>Total</b>		387,576,198	37,714,272	95,002,606	254,859,320	100.0%	\$100,680	

Please enter the Year the Account 1580 CBR Class B was Last Disposed.

2016

(Note: Account 1580, Sub-account CBR Class B was established starting in 2015)

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

		Total	2017
Total Class B Consumption for Years During Balance Accumulation (Total Consumption LESS WMP Consumption and Consumption for Class A customers who were Class A for partial or full year)	A	301,713,038	301,713,038
Transition Customers' Class B Consumption (i.e. full year or partial year)	B	46,853,718	46,853,718
<b>Transition Customers' Portion of Total Consumption</b>	C=B/A	15.53%	254,859,320

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

Total CBR Class B Balance	D	-\$	25,321
Transition Customers Portion of CBR Class B Balance	E=D*C	-\$	3,932
CBR Class B Balance to be disposed to Current Class B Customers through Rate Rider	F=D-E	-\$	21,389

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

# of Class A/B Transition Customers		10				
Customer		Total Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers	Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers in 2017	% of kWh	Customer Specific CBR Class B Allocation for the Period When They Were a Class B Customer	Monthly Equal Payments
Customer 1		5,334,300	5,334,300	11.39%	-\$ 448	-\$ 37
Customer 2		9,907,560	9,907,560	21.15%	-\$ 831	-\$ 69
Customer 3		3,762,720	3,762,720	8.03%	-\$ 316	-\$ 26
Customer 4		7,427,628	7,427,628	15.85%	-\$ 623	-\$ 52
Customer 5		3,128,880	3,128,880	6.68%	-\$ 263	-\$ 22
Customer 6		1,850,280	1,850,280	3.95%	-\$ 155	-\$ 13
Customer 7		5,499,408	5,499,408	11.74%	-\$ 462	-\$ 38
Customer 8		3,297,720	3,297,720	7.04%	-\$ 277	-\$ 23
Customer 9		3,540,750	3,540,750	7.56%	-\$ 297	-\$ 25
Customer 10		3,104,472	3,104,472	6.63%	-\$ 261	-\$ 22
Total		46,853,718	46,853,718	100.00%	-\$ 3,932	-\$ 328

The purpose of this tab is to calculate the CBR rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1580, sub-account CBR Class B balance accumulated.

Please select the Year the Account 1580 CBR Class B was Last Disposed.

2016

(Note: Account 1580, Sub-account CBR Class B was established starting in 2015)

		Total Metered 2017 Consumption Minus WMP		Total Metered 2017 Consumption for Class A customers that were Class A for the entire period CBR Class B balance accumulated		Total Metered 2017 Consumption for Customers that Transitioned Between Class A and B during the period CBR Class B balance accumulated		Metered Consumption for Current Class B Customers (Total Consumption LESS WMP, Class A and Transition Customers' Consumption)		% of total kWh	Total CBR Class B \$ allocated to Current Class B Customers	CBR Class B Rate Rider	Unit
		kWh	kW	kWh	kW	kWh	kW	kWh	kW				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	318,894,625	0	0	0	0	0	318,894,625	0	42.2%	(\$9,030)	\$0.0000	kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	138,709,073	0	0	0	0	0	138,709,073	0	18.4%	(\$3,928)	\$0.0000	kWh
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	264,669,572	677,566	0	0	0	0	264,669,572	677,566	35.0%	(\$7,494)	\$0.0000	kW
CLASSIFICATION	kWh	156,267,175	498,167	37,714,272	75,140	95,002,606	317,794	23,550,297	105,232	3.1%	(\$667)	\$0.0000	kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,070,870	0	0	0	0	0	2,070,870	0	0.3%	(\$59)	\$0.0000	kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kWh	112,347	335	0	0	0	0	112,347	335	0.0%	(\$3)	\$0.0000	kW
STREET LIGHTING SERVICE CLASSIFICATION	kWh	7,385,174	20,887	0	0	0	0	7,385,174	20,887	1.0%	(\$209)	\$0.0000	kW
<b>Total</b>		<b>888,108,836</b>	<b>1,196,955</b>	<b>37,714,272</b>	<b>75,140</b>	<b>95,002,606</b>	<b>317,794</b>	<b>755,391,958</b>	<b>804,020</b>	<b>100.0%</b>	<b>(\$21,390)</b>	<b>\$0.0000</b>	

If the allocated Account 1580 sub-account CBR Class B amount does not produce a rate rider in one or more rate class (except for the Standby rate class), a distributor is to transfer the entire OEB-approved CBR Class B amount into Account 1580 WMS control account to be disposed through the general purpose Group 1 DVA rate riders. (see Accounting Guidance, Capacity Based Recovery xxxxx, 2018)

**Input required at cells C13 and C14.** This worksheet calculates rate riders related to the Deferral/Variance Account Disposition (if applicable) and rate riders for Account 1568. Rate Riders will not be generated for the microFIT class.

Default Rate Rider Recovery Period (in months)	12	
DVA Proposed Rate Rider Recovery Period (in months)	12	Rate Rider Recovery to be used below
LRAM Proposed Rate Rider Recovery Period (in months)	12	Rate Rider Recovery to be used below

Rate Class	Unit	Total Metered kWh	Metered kW or kVA	Total Metered kWh less WMP consumption	Total Metered kW less WMP consumption	Allocation of Group 1 Account Balances to All Classes <sup>2</sup>	Allocation of Group 1 Account Balances to Non-WMP Classes Only (If Applicable) <sup>2</sup>	Deferral/Variance Account Rate Rider for			Revenue Reconciliation <sup>1</sup>
								Deferral/Variance Account Rate Rider <sup>2</sup>	Non-WMP (if applicable) <sup>2</sup>	Account 1568 Rate Rider	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	318,894,625	0	318,894,625	0	(368,686)		(0.0012)		0.0000	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	138,709,073	0	138,709,073	0	(160,605)		(0.0012)		0.0000	
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	264,669,572	677,566	264,669,572	677,566	(357,538)		(0.5277)		0.0000	
GENERAL SERVICE 1,000 KW OR GREATER SERVICE	kW	156,267,175	498,167	156,267,175	498,167	(219,069)		(0.4397)		0.0000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,070,870	0	2,070,870	0	(2,165)		(0.0010)		0.0000	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	112,347	335	112,347	335	(116)		(0.3462)		0.0000	
STREET LIGHTING SERVICE CLASSIFICATION	kW	7,385,174	20,887	7,385,174	20,887	(11,127)		(0.5327)		0.0000	
											(1,139,033.40)

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

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



## Summary - Sharing of Tax Change Forecast Amounts

For the 2017 year, enter any Tax Credits from the Cost of Service Tax Calculation (Positive #)

### 1. Tax Related Amounts Forecast from Capital Tax Rate Changes

	2017	2018
Taxable Capital (if you are not claiming capital tax, please enter your OEB-Approved Rate Base)		\$ -
Deduction from taxable capital up to \$15,000,000		\$ -
Net Taxable Capital	\$ -	\$ -
Rate		0.00%
Ontario Capital Tax (Deductible, not grossed-up)	\$ -	\$ -

### 2. Tax Related Amounts Forecast from Income Tax Rate Changes

Regulatory Taxable Income		\$ -
Corporate Tax Rate		12.50%
Tax Impact		\$ -
<b>Grossed-up Tax Amount</b>		\$ -
Tax Related Amounts Forecast from Capital Tax Rate Changes	\$ -	\$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	\$ -	\$ -
Total Tax Related Amounts	\$ -	\$ -
Incremental Tax Savings		\$ -
<b>Sharing of Tax Amount (50%)</b>		\$ -

Calculation of Rebased Revenue Requirement and Allocation of Tax Sharing Amount. Enter data from the last OEB-Approved Cost of Service application in columns C through H.

As per Chapter 3 Filing Requirements, shared tax rate riders are based on a 1 year disposition.

Rate Class		Re-based Billed Customers or Connections	Re-based Billed kWh	Re-based Billed kW	Re-based Service Charge	Re-based Distribution Volumetric Rate kWh	Re-based Distribution Volumetric Rate kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Revenue Requirement from Rates	Service Charge % Revenue	Distribution Volumetric Rate % Revenue kWh	Distribution Volumetric Rate % Revenue kW	Total % Revenue
RESIDENTIAL SERVICE CLASSIFICATION	kWh							0	0	0	0	0.0%	0.0%	0.0%	0.0%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh							0	0	0	0	0.0%	0.0%	0.0%	0.0%
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh							0	0	0	0	0.0%	0.0%	0.0%	0.0%
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
STREET LIGHTING SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
<b>Total</b>			0	0	0			0	0	0	0				0.0%

Rate Class		Total kWh (most recent RRR filing)	Total kW (most recent RRR filing)	Allocation of Tax Savings by Rate Class	Distribution Rate Rider
RESIDENTIAL SERVICE CLASSIFICATION	kWh	318,894,625		0	0.00 \$/customer
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	138,709,073		0	0.0000 kWh
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	264,669,572	677,566	0	0.0000 kW
GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICATION	kW	156,267,175	498,167	0	0.0000 kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,070,870		0	0.0000 kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	112,347	335	0	0.0000 kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	7,385,174	20,887	0	0.0000 kW
<b>Total</b>		888,108,836	1,196,955	\$0	

Columns E and F have been populated with data from the most recent RRR filing. Rate classes that have more than one Network or Connection charge will notice that the cells are highlighted in green and unlocked. If the data needs to be modified, please make the necessary adjustments and note the changes in your manager's summary. As well, the Loss Factor has been imported from Tab 2.

Rate Class	Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor	Loss Adjusted Billed kWh
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060	318,894,625	0	1.0394	331,459,073
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0053	318,894,625	0	1.0394	331,459,073
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0057	138,709,073	0	1.0394	144,174,210
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0049	138,709,073	0	1.0394	144,174,210
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.2436	201,093,297	529,959		
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8598	201,093,297	529,959		
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.3799	63,576,275	147,607		
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Meter	\$/kW	2.0557	63,576,275	147,607		
General Service 1,000 kW Or Greater Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.3799	156,267,175	498,167		
General Service 1,000 kW Or Greater Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0557	156,267,175	498,167		
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0057	2,070,870	0	1.0394	2,152,462
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0049	2,070,870	0	1.0394	2,152,462
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.7008	112,347	335		
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4680	112,347	335		
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.6919	7,385,174	20,887		
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4378	7,385,174	20,887		

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

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

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

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

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Tab 10. For Hydro One Sub-transmission Rates, if you are charged a combined Line and Transformer connection rate, please ensure that both the Line Connection and Transformation Connection columns are completed. If any of the Hydro One Sub-transmission rates (column E, I and M) are highlighted in orange, please double check the billing data entered in "Units Billed" and "Amount" columns. The highlighted rates do not match the Hydro One Sub-transmission rates approved for that time period. If data has been entered correctly, please provide explanation for the discrepancy in rates.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	144,164	\$3.66	\$ 527,640	72,906	\$0.87	\$ 63,428	162,640	\$2.02	\$ 328,533	\$ 391,961
February	137,454	\$3.66	\$ 503,082	70,085	\$0.87	\$ 60,974	149,708	\$2.02	\$ 302,410	\$ 363,384
March	125,607	\$3.66	\$ 459,722	63,326	\$0.87	\$ 55,094	140,026	\$2.02	\$ 282,853	\$ 337,946
April	111,449	\$3.66	\$ 407,903	62,394	\$0.87	\$ 54,283	132,946	\$2.02	\$ 268,551	\$ 322,834
May	116,640	\$3.66	\$ 426,902	54,183	\$0.87	\$ 47,139	137,321	\$2.02	\$ 277,388	\$ 324,528
June	101,801	\$3.66	\$ 372,592	50,602	\$0.87	\$ 44,024	120,913	\$2.02	\$ 244,244	\$ 288,268
July	118,440	\$3.66	\$ 433,490	65,232	\$0.87	\$ 56,752	143,670	\$2.02	\$ 290,213	\$ 346,965
August	118,489	\$3.66	\$ 433,670	60,384	\$0.87	\$ 52,534	141,615	\$2.02	\$ 286,062	\$ 338,596
September	113,221	\$3.66	\$ 414,389	57,701	\$0.87	\$ 50,200	130,685	\$2.02	\$ 263,984	\$ 314,184
October	110,387	\$3.66	\$ 404,016	57,454	\$0.87	\$ 49,985	129,851	\$2.02	\$ 262,299	\$ 312,284
November	132,684	\$3.52	\$ 467,048	66,466	\$0.88	\$ 58,490	145,098	\$2.13	\$ 309,059	\$ 367,549
December	156,912	\$3.52	\$ 552,330	72,913	\$0.88	\$ 64,163	172,283	\$2.13	\$ 366,963	\$ 431,126
<b>Total</b>	<b>1,487,248</b>	<b>\$ 3.63</b>	<b>\$ 5,402,784</b>	<b>753,646</b>	<b>\$ 0.87</b>	<b>\$ 657,066</b>	<b>1,706,756</b>	<b>\$ 2.04</b>	<b>\$ 3,482,559</b>	<b>\$ 4,139,625</b>

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January		\$0.0000			\$0.0000			\$0.0000		\$ -
February		\$0.0000			\$0.0000			\$0.0000		\$ -
March		\$0.0000			\$0.0000			\$0.0000		\$ -
April		\$0.0000			\$0.0000			\$0.0000		\$ -
May		\$0.0000			\$0.0000			\$0.0000		\$ -
June		\$0.0000			\$0.0000			\$0.0000		\$ -
July		\$0.0000			\$0.0000			\$0.0000		\$ -
August		\$0.0000			\$0.0000			\$0.0000		\$ -
September		\$0.0000			\$0.0000			\$0.0000		\$ -
October		\$0.0000			\$0.0000			\$0.0000		\$ -
November		\$0.0000			\$0.0000			\$0.0000		\$ -
December		\$0.0000			\$0.0000			\$0.0000		\$ -
<b>Total</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	144,164	\$ 3.6600	\$ 527,640	72,906	\$ 0.8700	\$ 63,428	162,640	\$ 2.0200	\$ 328,533	\$ 391,961
February	137,454	\$ 3.6600	\$ 503,082	70,085	\$ 0.8700	\$ 60,974	149,708	\$ 2.0200	\$ 302,410	\$ 363,384
March	125,607	\$ 3.6600	\$ 459,722	63,326	\$ 0.8700	\$ 55,094	140,026	\$ 2.0200	\$ 282,853	\$ 337,946
April	111,449	\$ 3.6600	\$ 407,903	62,394	\$ 0.8700	\$ 54,283	132,946	\$ 2.0200	\$ 268,551	\$ 322,834
May	116,640	\$ 3.6600	\$ 426,902	54,183	\$ 0.8700	\$ 47,139	137,321	\$ 2.0200	\$ 277,388	\$ 324,528
June	101,801	\$ 3.6600	\$ 372,592	50,602	\$ 0.8700	\$ 44,024	120,913	\$ 2.0200	\$ 244,244	\$ 288,268
July	118,440	\$ 3.6600	\$ 433,490	65,232	\$ 0.8700	\$ 56,752	143,670	\$ 2.0200	\$ 290,213	\$ 346,965
August	118,489	\$ 3.6600	\$ 433,670	60,384	\$ 0.8700	\$ 52,534	141,615	\$ 2.0200	\$ 286,062	\$ 338,596
September	113,221	\$ 3.6600	\$ 414,389	57,701	\$ 0.8700	\$ 50,200	130,685	\$ 2.0200	\$ 263,984	\$ 314,184
October	110,387	\$ 3.6600	\$ 404,016	57,454	\$ 0.8700	\$ 49,985	129,851	\$ 2.0200	\$ 262,299	\$ 312,284
November	132,684	\$ 3.5200	\$ 467,048	66,466	\$ 0.8800	\$ 58,490	145,098	\$ 2.1300	\$ 309,059	\$ 367,549
December	156,912	\$ 3.5200	\$ 552,330	72,913	\$ 0.8800	\$ 64,163	172,283	\$ 2.1300	\$ 366,963	\$ 431,126
<b>Total</b>	1,487,248	\$ 3.63	\$ 5,402,784	753,646	\$ 0.87	\$ 657,066	1,706,756	\$ 2.04	\$ 3,482,559	\$ 4,139,625

Low Voltage Switchgear Credit (if applicable) \$ -

**Total including deduction for Low Voltage Switchgear Credit** \$ 4,139,625

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 Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	144,164	\$ 3.6100	\$ 520,432	72,906	\$ 0.9500	\$ 69,261	162,640	\$ 2.3400	\$ 380,578	\$ 449,838
February	137,454	\$ 3.6100	\$ 496,209	70,085	\$ 0.9500	\$ 66,581	149,708	\$ 2.3400	\$ 350,317	\$ 416,897
March	125,607	\$ 3.6100	\$ 453,441	63,326	\$ 0.9500	\$ 60,160	140,026	\$ 2.3400	\$ 327,661	\$ 387,821
April	111,449	\$ 3.6100	\$ 402,331	62,394	\$ 0.9500	\$ 59,274	132,946	\$ 2.3400	\$ 311,094	\$ 370,368
May	116,640	\$ 3.6100	\$ 421,070	54,183	\$ 0.9500	\$ 51,474	137,321	\$ 2.3400	\$ 321,331	\$ 372,805
June	101,801	\$ 3.6100	\$ 367,502	50,602	\$ 0.9500	\$ 48,072	120,913	\$ 2.3400	\$ 282,936	\$ 331,008
July	118,440	\$ 3.6100	\$ 427,568	65,232	\$ 0.9500	\$ 61,970	143,670	\$ 2.3400	\$ 336,188	\$ 398,158
August	118,489	\$ 3.6100	\$ 427,745	60,384	\$ 0.9500	\$ 57,365	141,615	\$ 2.3400	\$ 331,379	\$ 388,744
September	113,221	\$ 3.6100	\$ 408,728	57,701	\$ 0.9500	\$ 54,816	130,685	\$ 2.3400	\$ 305,803	\$ 360,619
October	110,387	\$ 3.6100	\$ 398,497	57,454	\$ 0.9500	\$ 54,581	129,851	\$ 2.3400	\$ 303,851	\$ 358,433
November	132,684	\$ 3.6100	\$ 478,989	66,466	\$ 0.9500	\$ 63,143	145,098	\$ 2.3400	\$ 339,529	\$ 402,672
December	156,912	\$ 3.6100	\$ 566,452	72,913	\$ 0.9500	\$ 69,267	172,283	\$ 2.3400	\$ 403,142	\$ 472,410
<b>Total</b>	<b>1,487,248</b>	<b>\$ 3.61</b>	<b>\$ 5,368,965</b>	<b>753,646</b>	<b>\$ 0.95</b>	<b>\$ 715,964</b>	<b>1,706,756</b>	<b>\$ 2.34</b>	<b>\$ 3,993,809</b>	<b>\$ 4,709,773</b>

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ 3.1942	\$ -	-	\$ 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	\$ -	\$ -
<b>Total</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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

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

Total																	
	Network			Line Connection			Transformation Connection			Total Connection							
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount							
January	144,164	\$	3.6100	\$	520,432	72,906	\$	0.9500	\$	69,261	162,640	\$	2.3400	\$	380,578	\$	449,838
February	137,454	\$	3.6100	\$	496,209	70,085	\$	0.9500	\$	66,581	149,708	\$	2.3400	\$	350,317	\$	416,897
March	125,607	\$	3.6100	\$	453,441	63,326	\$	0.9500	\$	60,160	140,026	\$	2.3400	\$	327,661	\$	387,821
April	111,449	\$	3.6100	\$	402,331	62,394	\$	0.9500	\$	59,274	132,946	\$	2.3400	\$	311,094	\$	370,368
May	116,640	\$	3.6100	\$	421,070	54,183	\$	0.9500	\$	51,474	137,321	\$	2.3400	\$	321,331	\$	372,805
June	101,801	\$	3.6100	\$	367,502	50,602	\$	0.9500	\$	48,072	120,913	\$	2.3400	\$	282,936	\$	331,008
July	118,440	\$	3.6100	\$	427,568	65,232	\$	0.9500	\$	61,970	143,670	\$	2.3400	\$	336,188	\$	398,158
August	118,489	\$	3.6100	\$	427,745	60,384	\$	0.9500	\$	57,365	141,615	\$	2.3400	\$	331,379	\$	388,744
September	113,221	\$	3.6100	\$	408,728	57,701	\$	0.9500	\$	54,816	130,685	\$	2.3400	\$	305,803	\$	360,619
October	110,387	\$	3.6100	\$	398,497	57,454	\$	0.9500	\$	54,581	129,851	\$	2.3400	\$	303,851	\$	358,433
November	132,684	\$	3.6100	\$	478,989	66,466	\$	0.9500	\$	63,143	145,098	\$	2.3400	\$	339,529	\$	402,672
December	156,912	\$	3.6100	\$	566,452	72,913	\$	0.9500	\$	69,267	172,283	\$	2.3400	\$	403,142	\$	472,410
<b>Total</b>	1,487,248	\$	3.61	\$	5,368,965	753,646	\$	0.95	\$	715,964	1,706,756	\$	2.34	\$	3,993,809	\$	4,709,773

**Low Voltage Switchgear Credit (if applicable)**      \$      -  
**Total including deduction for Low Voltage Switchgear Credit**      \$      4,709,773



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 Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	144,164	\$ 3.6100	\$ 520,432	72,906	\$ 0.9500	\$ 69,261	162,640	\$ 2.3400	\$ 380,578	\$ 449,838
February	137,454	\$ 3.6100	\$ 496,209	70,085	\$ 0.9500	\$ 66,581	149,708	\$ 2.3400	\$ 350,317	\$ 416,897
March	125,607	\$ 3.6100	\$ 453,441	63,326	\$ 0.9500	\$ 60,160	140,026	\$ 2.3400	\$ 327,661	\$ 387,821
April	111,449	\$ 3.6100	\$ 402,331	62,394	\$ 0.9500	\$ 59,274	132,946	\$ 2.3400	\$ 311,094	\$ 370,368
May	116,640	\$ 3.6100	\$ 421,070	54,183	\$ 0.9500	\$ 51,474	137,321	\$ 2.3400	\$ 321,331	\$ 372,805
June	101,801	\$ 3.6100	\$ 367,502	50,602	\$ 0.9500	\$ 48,072	120,913	\$ 2.3400	\$ 282,936	\$ 331,008
July	118,440	\$ 3.6100	\$ 427,568	65,232	\$ 0.9500	\$ 61,970	143,670	\$ 2.3400	\$ 336,188	\$ 398,158
August	118,489	\$ 3.6100	\$ 427,745	60,384	\$ 0.9500	\$ 57,365	141,615	\$ 2.3400	\$ 331,379	\$ 388,744
September	113,221	\$ 3.6100	\$ 408,728	57,701	\$ 0.9500	\$ 54,816	130,685	\$ 2.3400	\$ 305,803	\$ 360,619
October	110,387	\$ 3.6100	\$ 398,497	57,454	\$ 0.9500	\$ 54,581	129,851	\$ 2.3400	\$ 303,851	\$ 358,433
November	132,684	\$ 3.6100	\$ 478,989	66,466	\$ 0.9500	\$ 63,143	145,098	\$ 2.3400	\$ 339,529	\$ 402,672
December	156,912	\$ 3.6100	\$ 566,452	72,913	\$ 0.9500	\$ 69,267	172,283	\$ 2.3400	\$ 403,142	\$ 472,410
<b>Total</b>	<b>1,487,248</b>	<b>\$ 3.61</b>	<b>\$ 5,368,965</b>	<b>753,646</b>	<b>\$ 0.95</b>	<b>\$ 715,964</b>	<b>1,706,756</b>	<b>\$ 2.34</b>	<b>\$ 3,993,809</b>	<b>\$ 4,709,773</b>

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ 3.1942	\$ -	-	\$ 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	\$ -	\$ -
<b>Total</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	144,164	\$ 3.61	\$ 520,432	72,906	\$ 0.95	\$ 69,261	162,640	\$ 2.34	\$ 380,578	\$ 449,838
February	137,454	\$ 3.61	\$ 496,209	70,085	\$ 0.95	\$ 66,581	149,708	\$ 2.34	\$ 350,317	\$ 416,897
March	125,607	\$ 3.61	\$ 453,441	63,326	\$ 0.95	\$ 60,160	140,026	\$ 2.34	\$ 327,661	\$ 387,821
April	111,449	\$ 3.61	\$ 402,331	62,394	\$ 0.95	\$ 59,274	132,946	\$ 2.34	\$ 311,094	\$ 370,368
May	116,640	\$ 3.61	\$ 421,070	54,183	\$ 0.95	\$ 51,474	137,321	\$ 2.34	\$ 321,331	\$ 372,805
June	101,801	\$ 3.61	\$ 367,502	50,602	\$ 0.95	\$ 48,072	120,913	\$ 2.34	\$ 282,936	\$ 331,008
July	118,440	\$ 3.61	\$ 427,568	65,232	\$ 0.95	\$ 61,970	143,670	\$ 2.34	\$ 336,188	\$ 398,158
August	118,489	\$ 3.61	\$ 427,745	60,384	\$ 0.95	\$ 57,365	141,615	\$ 2.34	\$ 331,379	\$ 388,744
September	113,221	\$ 3.61	\$ 408,728	57,701	\$ 0.95	\$ 54,816	130,685	\$ 2.34	\$ 305,803	\$ 360,619
October	110,387	\$ 3.61	\$ 398,497	57,454	\$ 0.95	\$ 54,581	129,851	\$ 2.34	\$ 303,851	\$ 358,433
November	132,684	\$ 3.61	\$ 478,989	66,466	\$ 0.95	\$ 63,143	145,098	\$ 2.34	\$ 339,529	\$ 402,672
December	156,912	\$ 3.61	\$ 566,452	72,913	\$ 0.95	\$ 69,267	172,283	\$ 2.34	\$ 403,142	\$ 472,410
<b>Total</b>	1,487,248	\$ 3.61	\$ 5,368,965	753,646	\$ 0.95	\$ 715,964	1,706,756	\$ 2.34	\$ 3,993,809	\$ 4,709,773

Low Voltage Switchgear Credit (if applicable) \$ -

**Total including deduction for Low Voltage Switchgear Credit** \$ 4,709,773

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

Rate Class	Rate Description	Unit	Current RTSR-Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060	331,459,073	0	1,988,754	35.6%	1,911,958	0.0058
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0057	144,174,210	0	821,793	14.7%	790,059	0.0055
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.2436		529,959	1,189,016	21.3%	1,143,101	2.1570
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.3799		147,607	351,290	6.3%	337,725	2.2880
General Service 1,000 kW Or Greater Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.3799		498,167	1,185,588	21.2%	1,139,805	2.2880
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0057	2,152,462	0	12,269	0.2%	11,795	0.0055
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.7008		335	570	0.0%	548	1.6351
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.6919		20,887	35,339	0.6%	33,974	1.6266

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

Rate Class	Rate Description	Unit	Current RTSR-Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR-Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0053	331,459,073	0	1,756,733	36.5%	1,717,488	0.0052
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0049	144,174,210	0	706,454	14.7%	690,672	0.0048
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8598		529,959	985,618	20.5%	963,599	1.8183
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.0557		147,607	303,436	6.3%	296,657	2.0098
General Service 1,000 kW Or Greater Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0557		498,167	1,024,082	21.3%	1,001,204	2.0098
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0049	2,152,462	0	10,547	0.2%	10,311	0.0048
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4680		335	492	0.0%	481	1.4352
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4378		20,887	30,031	0.6%	29,360	1.4057

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 Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0058	331,459,073	0	1,911,958	35.6%	1,911,958	<b>0.0058</b>
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0055	144,174,210	0	790,059	14.7%	790,059	<b>0.0055</b>
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.1570		529,959	1,143,101	21.3%	1,143,101	<b>2.1570</b>
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.2880		147,607	337,725	6.3%	337,725	<b>2.2880</b>
General Service 1,000 kW Or Greater Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.2880		498,167	1,139,806	21.2%	1,139,806	<b>2.2880</b>
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0055	2,152,462	0	11,795	0.2%	11,795	<b>0.0055</b>
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.6351		335	548	0.0%	548	<b>1.6351</b>
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.6266		20,887	33,974	0.6%	33,974	<b>1.6266</b>

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 Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0052	331,459,073	0	1,717,488	36.5%	1,717,488	<b>0.0052</b>
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0048	144,174,210	0	690,672	14.7%	690,672	<b>0.0048</b>
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8183		529,959	963,599	20.5%	963,599	<b>1.8183</b>
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.0098		147,607	296,657	6.3%	296,657	<b>2.0098</b>
General Service 1,000 kW Or Greater Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0098		498,167	1,001,204	21.3%	1,001,204	<b>2.0098</b>
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0048	2,152,462	0	10,311	0.2%	10,311	<b>0.0048</b>
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4352		335	481	0.0%	481	<b>1.4352</b>
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4057		20,887	29,360	0.6%	29,360	<b>1.4057</b>

If applicable, please enter any adjustments related to the revenue to cost ratio model into columns C and E. The Price Escalator and Stretch Factor have been set at the 2018 values and will be updated by OEB staff at a later date.

Price Escalator	1.20%	Productivity Factor	0.00%	# of Residential Customers (approved in the last CoS)	45,527	Effective Year of Residential Rate Design Transition (yyyy)	2016
Choose Stretch Factor Group	IV	Price Cap Index	0.75%	Billed kWh for Residential Class (approved in the last CoS)	336,114,686	OEB-approved # of Transition Years	4
Associated Stretch Factor Value	0.45%			Rate Design Transition Years Left	1		

Rate Class	Current MFC	MFC Adjustment from R/C Model	Current Volumetric Charge	DVR Adjustment from R/C Model	Price Cap Index to be Applied to MFC and DVR	Proposed MFC	Proposed Volumetric Charge
RESIDENTIAL SERVICE CLASSIFICATION	22.23		0.0037		0.75%	24.69	0.0000
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	27.38		0.0178		0.75%	27.59	0.0179
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	206.08		3.3505		0.75%	207.63	3.3756
GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICATION	2948.48		2.824		0.75%	2,970.59	2.8452
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	8.15		0.0119		0.75%	8.21	0.0120
SENTINEL LIGHTING SERVICE CLASSIFICATION	8.05		6.4587		0.75%	8.11	6.5071
STREET LIGHTING SERVICE CLASSIFICATION	1.12		6.7322		0.75%	1.13	6.7827
microFIT SERVICE CLASSIFICATION	5.4					5.4	

<u>Rate Design Transition</u>	Revenue from Rates	Current F/V Split	Decoupling MFC Split	Incremental Fixed Charge (\$/month/year)	New F/V Split	Adjusted Rates <sup>1</sup>	Revenue at New F/V Split
Current Residential Fixed Rate (inclusive of R/C adj.)	22.2300	12,144,783	90.7%	2.28	100.0%	24.51	13,390,401
Current Residential Variable Rate (inclusive of R/C adj.)	0.0037	1,243,624	9.3%		0.0%	0.0000	0
		13,388,407					13,390,401

<sup>1</sup> These are the residential rates to which the Price Cap Index will be applied to. Wheeling Service Rate will be adjusted for PCI on Sheet 19.

**Update the following rates if an OEB Decision has been issued at the time of completing this application**

<b>Regulatory Charges</b>	<b>Proposed</b>	
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

**Time-of-Use RPP Prices**

As of	May 1, 2018	
Off-Peak	\$/kWh	0.0650
Mid-Peak	\$/kWh	0.0940
On-Peak	\$/kWh	0.1320

**Debt Retirement Charge (DRC)**

Debt Retirement Charge (DRC)	\$/kWh	0.0000
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**Smart Meter Entity Charge (SME)**

Smart Meter Entity Charge (SME)	\$	0.57
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# Thunder Bay Hydro Electricity Distribution Inc.

## TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2019

approved schedules of Rates, Charges and Loss Factors

EB-2018-0069

### RESIDENTIAL SERVICE CLASSIFICATION

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

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	24.69
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kWh	(0.0012)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0058

Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0052
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### 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

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 1,000 kW. This class includes medium and large-size commercial buildings, apartment buildings, condominiums, trailer courts, industrial plants, as well as large stores, shopping centers, hospitals, manufacturing or processing plants, garages, storage buildings, hotels, motels, schools, colleges, arenas and other comparable premises. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply:

General Service 50 to 1,000 kW non-interval metered

General Service 50 to 1,000 kW interval metered.

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

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	27.59
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0179
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kWh	(0.0012)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0055
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0048

### 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

## GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 1,000 kW. This class includes medium and large-size commercial buildings, apartment buildings, condominiums, trailer courts, industrial plants, as well as large stores, shopping centers, hospitals, manufacturing or processing plants, garages, storage buildings, hotels, motels, schools, colleges, arenas and other comparable premises. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply:

General Service 50 to 1,000 kW non-interval metered

General Service 50 to 1,000 kW interval metered.

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

### APPLICATION

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

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

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

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	\$	207.63
Distribution Volumetric Rate	\$/kW	3.3756
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kW	(0.5277)

Retail Transmission Rate - Network Service Rate	\$/kW	2.1570
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Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8183
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Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.2880
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Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.0098
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### 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

## GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 1,000 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O.Reg.429/04. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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	\$	2,970.59
Distribution Volumetric Rate	\$/kW	2.8452
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kW	(0.4397)
Retail Transmission Rate - Network Service Rate	\$/kW	2.2880
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0098

### 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

## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less whose monthly average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, private sentinel lighting etc. The customer will provide detailed manufacturing information/documentation with regard to electrical demand/ consumption of the proposed unmetered load. 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)	\$	8.21
Distribution Volumetric Rate	\$/kWh	0.0120
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kWh	(0.0010)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0055
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0048

### 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

## SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light. 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)	\$	8.11
Distribution Volumetric Rate	\$/kW	6.5071
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kW	(0.3462)
Retail Transmission Rate - Network Service Rate	\$/kW	1.6351
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4352

### 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

## STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting operation, controlled by photocells. The consumption for these customers will be based on the calculated load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. 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)	\$	1.13
Distribution Volumetric Rate	\$/kW	6.7827
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kW	(0.5327)
Retail Transmission Rate - Network Service Rate	\$/kW	1.6266
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4057

### 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



## 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.

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### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40
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## ALLOWANCES

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

## SPECIFIC SERVICE CHARGES

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

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

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### Customer Administration

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Easement letter	\$	15.00
Account history	\$	15.00
Returned cheque (plus bank charges)	\$	25.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
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
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

Service call - customer-owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	22.35

## RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

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

## LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer	1.0394
Total Loss Factor - Primary Metered Customer	1.0290





Customer Class: **RESIDENTIAL SERVICE CLASSIFICATION**

RPP / Non-RPP: **RPP**

Consumption **750** kWh

Demand **-** kW

Current Loss Factor **1.0394**

Proposed/Approved Loss Factor **1.0394**

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 22.23	1	\$ 22.23	\$ 24.69	1	\$ 24.69	\$ 2.46	11.07%
Distribution Volumetric Rate	\$ 0.0037	750	\$ 2.78	\$ -	750	\$ -	\$ (2.78)	-100.00%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 25.01			\$ 24.69	\$ (0.31)	<b>-1.26%</b>
Line Losses on Cost of Power	\$ 0.0820	30	\$ 2.42	\$ 0.0820	30	\$ 2.42	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	-\$ 0.0005	750	\$ (0.38)	-\$ 0.0012	750	\$ (0.90)	\$ (0.53)	140.00%
CBR Class B Rate Riders	-\$ 0.0001	750	\$ (0.08)	\$ -	750	\$ -	\$ 0.08	-100.00%
GA Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 27.55			\$ 26.78	\$ (0.76)	<b>-2.78%</b>
RTSR - Network	\$ 0.0060	780	\$ 4.68	\$ 0.0058	780	\$ 4.52	\$ (0.16)	-3.33%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0053	780	\$ 4.13	\$ 0.0052	780	\$ 4.05	\$ (0.08)	-1.89%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 36.36			\$ 35.36	\$ (1.00)	<b>-2.75%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	780	\$ 2.81	\$ 0.0036	780	\$ 2.81	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	780	\$ 0.23	\$ 0.0003	780	\$ 0.23	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	488	\$ 31.69	\$ 0.0650	488	\$ 31.69	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	128	\$ 11.99	\$ 0.0940	128	\$ 11.99	\$ -	0.00%
TOU - On Peak	\$ 0.1320	135	\$ 17.82	\$ 0.1320	135	\$ 17.82	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 101.14			\$ 100.14	\$ (1.00)	<b>-0.99%</b>
HST	13%		\$ 13.15	13%		\$ 13.02	\$ (0.13)	-0.99%
8% Rebate	8%		\$ (8.09)	8%		\$ (8.01)	\$ 0.08	
<b>Total Bill on TOU</b>			\$ 106.20			\$ 105.15	\$ (1.05)	<b>-0.99%</b>

Customer Class: **GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION**

RPP / Non-RPP: **RPP**

Consumption **2,000** kWh

Demand **-** kW

Current Loss Factor **1.0394**

Proposed/Approved Loss Factor **1.0394**

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 27.38	1	\$ 27.38	\$ 27.59	1	\$ 27.59	\$ 0.21	0.77%
Distribution Volumetric Rate	\$ 0.0178	2000	\$ 35.60	\$ 0.0179	2000	\$ 35.80	\$ 0.20	0.56%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	2000	\$ -	\$ -	2000	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ <b>62.98</b>			\$ <b>63.39</b>	\$ <b>0.41</b>	<b>0.65%</b>
Line Losses on Cost of Power	\$ 0.0820	79	\$ 6.46	\$ 0.0820	79	\$ 6.46	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0005	2,000	\$ (1.00)	\$ 0.0012	2,000	\$ (2.40)	\$ (1.40)	140.00%
CBR Class B Rate Riders	\$ 0.0001	2,000	\$ (0.20)	\$ -	2,000	\$ -	\$ 0.20	-100.00%
GA Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Low Voltage Service Charge	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ <b>68.81</b>			\$ <b>68.02</b>	\$ <b>(0.79)</b>	<b>-1.15%</b>
RTSR - Network	\$ 0.0057	2,079	\$ 11.85	\$ 0.0055	2,079	\$ 11.43	\$ (0.42)	-3.51%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0049	2,079	\$ 10.19	\$ 0.0048	2,079	\$ 9.98	\$ (0.21)	-2.04%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ <b>90.85</b>			\$ <b>89.43</b>	\$ <b>(1.41)</b>	<b>-1.56%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,079	\$ 7.48	\$ 0.0036	2,079	\$ 7.48	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	2,079	\$ 0.62	\$ 0.0003	2,079	\$ 0.62	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	1,300	\$ 84.50	\$ 0.0650	1,300	\$ 84.50	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	340	\$ 31.96	\$ 0.0940	340	\$ 31.96	\$ -	0.00%
TOU - On Peak	\$ 0.1320	360	\$ 47.52	\$ 0.1320	360	\$ 47.52	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ <b>263.18</b>			\$ <b>261.77</b>	\$ <b>(1.41)</b>	<b>-0.54%</b>
HST	13%		\$ 34.21	13%		\$ 34.03	\$ (0.18)	-0.54%
8% Rebate	8%		\$ (21.05)	8%		\$ (20.94)	\$ 0.11	
<b>Total Bill on TOU</b>			\$ <b>276.34</b>			\$ <b>274.86</b>	\$ <b>(1.48)</b>	<b>-0.54%</b>

Customer Class: **GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION**

RPP / Non-RPP: **Non-RPP (Other)**

Consumption **47,142** kWh

Demand **118** kW

Current Loss Factor **1.0394**

Proposed/Approved Loss Factor **1.0394**

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 206.08	1	\$ 206.08	\$ 207.63	1	\$ 207.63	\$ 1.55	0.75%
Distribution Volumetric Rate	\$ 3.3505	118	\$ 395.36	\$ 3.3756	118	\$ 398.32	\$ 2.96	0.75%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	118	\$ -	\$ -	118	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 601.44</b>			<b>\$ 605.95</b>	<b>\$ 4.51</b>	<b>0.75%</b>
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	-\$ 0.2848	118	\$ (33.61)	-\$ 0.5277	118	\$ (62.27)	\$ (28.66)	85.29%
CBR Class B Rate Riders	-\$ 0.0296	118	\$ (3.49)	\$ -	118	\$ -	\$ 3.49	-100.00%
GA Rate Riders	-\$ 0.0001	47,142	\$ (4.71)	\$ 0.0004	47,142	\$ 18.86	\$ 23.57	-500.00%
Low Voltage Service Charge	\$ -	118	\$ -	\$ -	118	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		118	\$ -	\$ -	118	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 559.63</b>			<b>\$ 562.54</b>	<b>\$ 2.91</b>	<b>0.52%</b>
RTSR - Network	\$ 2.2436	118	\$ 264.74	\$ 2.1570	118	\$ 254.53	\$ (10.22)	-3.86%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.8598	118	\$ 219.46	\$ 1.8183	118	\$ 214.56	\$ (4.90)	-2.23%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 1,043.83</b>			<b>\$ 1,031.62</b>	<b>\$ (12.20)</b>	<b>-1.17%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	48,999	\$ 176.40	\$ 0.0036	48,999	\$ 176.40	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	48,999	\$ 14.70	\$ 0.0003	48,999	\$ 14.70	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	48,999	\$ 5,394.83	\$ 0.1101	48,999	\$ 5,394.83	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 6,630.01</b>			<b>\$ 6,617.81</b>	<b>\$ (12.20)</b>	<b>-0.18%</b>
HST	13%		\$ 861.90	13%		\$ 860.31	\$ (1.59)	-0.18%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 7,491.91</b>			<b>\$ 7,478.12</b>	<b>\$ (13.79)</b>	<b>-0.18%</b>

Customer Class:	<b>GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICATION</b>	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	531,688	kWh
Demand	1,509	kW
Current Loss Factor	1.0290	
Proposed/Approved Loss Factor	1.0290	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 2,948.48	1	\$ 2,948.48	\$ 2,970.59	1	\$ 2,970.59	\$ 22.11	0.75%
Distribution Volumetric Rate	\$ 2.8240	1509	\$ 4,261.42	\$ 2.8452	1509	\$ 4,293.41	\$ 31.99	0.75%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	1509	\$ -	\$ -	1509	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 7,209.90</b>			<b>\$ 7,264.00</b>	<b>\$ 54.10</b>	<b>0.75%</b>
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	-\$ 0.2327	1,509	\$ (351.14)	-\$ 0.4397	1,509	\$ (663.51)	\$ (312.36)	88.96%
CBR Class B Rate Riders	-\$ 0.0248	1,509	\$ (37.42)	\$ -	1,509	\$ -	\$ 37.42	-100.00%
GA Rate Riders	-\$ 0.0001	531,688	\$ (53.17)	\$ 0.0004	531,688	\$ 212.68	\$ 265.84	-500.00%
Low Voltage Service Charge	\$ -	1,509	\$ -	\$ -	1,509	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	1,509	\$ -	\$ -	1,509	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 6,768.16</b>			<b>\$ 6,813.16</b>	<b>\$ 45.01</b>	<b>0.66%</b>
RTSR - Network	\$ 2.3799	1,509	\$ 3,591.27	\$ 2.2880	1,509	\$ 3,452.59	\$ (138.68)	-3.86%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.0557	1,509	\$ 3,102.05	\$ 2.0098	1,509	\$ 3,032.79	\$ (69.26)	-2.23%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 13,461.48</b>			<b>\$ 13,298.54</b>	<b>\$ (162.94)</b>	<b>-1.21%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	547,107	\$ 1,969.59	\$ 0.0036	547,107	\$ 1,969.59	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	547,107	\$ 164.13	\$ 0.0003	547,107	\$ 164.13	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	547,107	\$ 60,236.48	\$ 0.1101	547,107	\$ 60,236.48	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 75,831.92</b>			<b>\$ 75,668.99</b>	<b>\$ (162.94)</b>	<b>-0.21%</b>
HST		13%	\$ 9,858.15		13%	\$ 9,836.97	\$ (21.18)	-0.21%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 85,690.07</b>			<b>\$ 85,505.96</b>	<b>\$ (184.12)</b>	<b>-0.21%</b>



Customer Class: **UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION**

RPP / Non-RPP: **RPP**

Consumption **407** kWh

Demand **-** kW

Current Loss Factor **1.0394**

Proposed/Approved Loss Factor **1.0394**

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 8.15	1	\$ 8.15	\$ 8.21	1	\$ 8.21	\$ 0.06	0.74%
Distribution Volumetric Rate	\$ 0.0119	407	\$ 4.84	\$ 0.0120	407	\$ 4.88	\$ 0.04	0.84%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	407	\$ -	\$ -	407	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 12.99</b>			<b>\$ 13.09</b>	<b>\$ 0.10</b>	<b>0.78%</b>
Line Losses on Cost of Power	\$ 0.0820	16	\$ 1.31	\$ 0.0820	16	\$ 1.31	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	-\$ 0.0005	407	\$ (0.20)	-\$ 0.0010	407	\$ (0.41)	\$ (0.20)	100.00%
CBR Class B Rate Riders	-\$ 0.0001	407	\$ (0.04)	\$ -	407	\$ -	\$ 0.04	-100.00%
GA Rate Riders	\$ -	407	\$ -	\$ -	407	\$ -	\$ -	
Low Voltage Service Charge	\$ -	407	\$ -	\$ -	407	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	407	\$ -	\$ -	407	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 14.06</b>			<b>\$ 14.00</b>	<b>\$ (0.06)</b>	<b>-0.44%</b>
RTSR - Network	\$ 0.0057	423	\$ 2.41	\$ 0.0055	423	\$ 2.33	\$ (0.08)	-3.51%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0049	423	\$ 2.07	\$ 0.0048	423	\$ 2.03	\$ (0.04)	-2.04%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 18.55</b>			<b>\$ 18.36</b>	<b>\$ (0.19)</b>	<b>-1.02%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	423	\$ 1.52	\$ 0.0036	423	\$ 1.52	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	423	\$ 0.13	\$ 0.0003	423	\$ 0.13	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	265	\$ 17.20	\$ 0.0650	265	\$ 17.20	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	69	\$ 6.50	\$ 0.0940	69	\$ 6.50	\$ -	0.00%
TOU - On Peak	\$ 0.1320	73	\$ 9.67	\$ 0.1320	73	\$ 9.67	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 53.82</b>			<b>\$ 53.63</b>	<b>\$ (0.19)</b>	<b>-0.35%</b>
HST	13%		\$ 7.00	13%		\$ 6.97	\$ (0.02)	-0.35%
<b>Total Bill on TOU</b>			<b>\$ 60.81</b>			<b>\$ 60.60</b>	<b>\$ (0.21)</b>	<b>-0.35%</b>

Customer Class: **SENTINEL LIGHTING SERVICE CLASSIFICATION**

RPP / Non-RPP: **RPP**

Consumption **55** kWh

Demand **1** kW

Current Loss Factor **1.0394**

Proposed/Approved Loss Factor **1.0394**

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 8.05	1	\$ 8.05	\$ 8.11	1	\$ 8.11	\$ 0.06	0.75%
Distribution Volumetric Rate	\$ 6.4587	1	\$ 6.46	\$ 6.5071	1	\$ 6.51	\$ 0.05	0.75%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 14.51			\$ 14.62	\$ 0.11	0.75%
Line Losses on Cost of Power	\$ 0.0820	2	\$ 0.18	\$ 0.0820	2	\$ 0.18	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	-\$ 0.1598	1	\$ (0.16)	-\$ 0.3462	1	\$ (0.35)	\$ (0.19)	116.65%
CBR Class B Rate Riders	-\$ 0.0260	1	\$ (0.03)	\$ -	1	\$ -	\$ 0.03	-100.00%
GA Rate Riders	\$ -	55	\$ -	\$ -	55	\$ -	\$ -	
Low Voltage Service Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 14.50			\$ 14.45	\$ (0.05)	-0.36%
RTSR - Network	\$ 1.7008	1	\$ 1.70	\$ 1.6351	1	\$ 1.64	\$ (0.07)	-3.86%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.4680	1	\$ 1.47	\$ 1.4352	1	\$ 1.44	\$ (0.03)	-2.23%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 17.67			\$ 17.52	\$ (0.15)	-0.85%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	57	\$ 0.21	\$ 0.0036	57	\$ 0.21	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	57	\$ 0.02	\$ 0.0003	57	\$ 0.02	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	36	\$ 2.32	\$ 0.0650	36	\$ 2.32	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	9	\$ 0.88	\$ 0.0940	9	\$ 0.88	\$ -	0.00%
TOU - On Peak	\$ 0.1320	10	\$ 1.31	\$ 0.1320	10	\$ 1.31	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 22.65			\$ 22.50	\$ (0.15)	-0.66%
HST	13%		\$ 2.94	13%		\$ 2.93	\$ (0.02)	-0.66%
<b>Total Bill on TOU</b>			\$ 25.60			\$ 25.43	\$ (0.17)	-0.66%

Customer Class: **STREET LIGHTING SERVICE CLASSIFICATION**

RPP / Non-RPP: **Non-RPP (Other)**

Consumption **90** kWh

Demand **1** kW

Current Loss Factor **1.0394**

Proposed/Approved Loss Factor **1.0394**

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 1.12	1	\$ 1.12	\$ 1.13	1	\$ 1.13	\$ 0.01	0.89%
Distribution Volumetric Rate	\$ 6.7322	1	\$ 6.73	\$ 6.7827	1	\$ 6.78	\$ 0.05	0.75%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 7.85</b>			<b>\$ 7.91</b>	<b>\$ 0.06</b>	<b>0.77%</b>
Line Losses on Cost of Power	\$ 0.1101	4	\$ 0.39	\$ 0.1101	4	\$ 0.39	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.3462	1	\$ (0.35)	\$ 0.5327	1	\$ (0.53)	\$ (0.19)	53.87%
CBR Class B Rate Riders	\$ 0.0294	1	\$ (0.03)	\$ -	1	\$ -	\$ 0.03	-100.00%
GA Rate Riders	\$ 0.0001	90	\$ (0.01)	\$ 0.0004	90	\$ 0.04	\$ 0.05	-500.00%
Low Voltage Service Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 7.86</b>			<b>\$ 7.81</b>	<b>\$ (0.05)</b>	<b>-0.66%</b>
RTSR - Network	\$ 1.6919	1	\$ 1.69	\$ 1.6266	1	\$ 1.63	\$ (0.07)	-3.86%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.4378	1	\$ 1.44	\$ 1.4057	1	\$ 1.41	\$ (0.03)	-2.23%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 10.99</b>			<b>\$ 10.84</b>	<b>\$ (0.15)</b>	<b>-1.36%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	94	\$ 0.34	\$ 0.0036	94	\$ 0.34	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	94	\$ 0.03	\$ 0.0003	94	\$ 0.03	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	90	\$ 9.91	\$ 0.1101	90	\$ 9.91	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 21.51</b>			<b>\$ 21.36</b>	<b>\$ (0.15)</b>	<b>-0.69%</b>
HST	13%		\$ 2.80	13%		\$ 2.78	\$ (0.02)	-0.69%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 24.31</b>			<b>\$ 24.14</b>	<b>\$ (0.17)</b>	<b>-0.69%</b>

Customer Class: **RESIDENTIAL SERVICE CLASSIFICATION**

RPP / Non-RPP: **RPP**

Consumption: **249** kWh

Demand: **-** kW

Current Loss Factor: **1.0394**

Proposed/Approved Loss Factor: **1.0394**

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 22.23	1	\$ 22.23	\$ 24.69	1	\$ 24.69	\$ 2.46	11.07%
Distribution Volumetric Rate	\$ 0.0037	249	\$ 0.92	\$ -	249	\$ -	\$ (0.92)	-100.00%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	249	\$ -	\$ -	249	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 23.15</b>			<b>\$ 24.69</b>	<b>\$ 1.54</b>	<b>6.65%</b>
Line Losses on Cost of Power	\$ 0.0820	10	\$ 0.80	\$ 0.0820	10	\$ 0.80	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	-\$ 0.0005	249	\$ (0.12)	-\$ 0.0012	249	\$ (0.30)	\$ (0.17)	140.00%
CBR Class B Rate Riders	-\$ 0.0001	249	\$ (0.02)	\$ -	249	\$ -	\$ 0.02	-100.00%
GA Rate Riders	\$ -	249	\$ -	\$ -	249	\$ -	\$ -	
Low Voltage Service Charge	\$ -	249	\$ -	\$ -	249	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		249	\$ -	\$ -	249	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 24.38</b>			<b>\$ 25.77</b>	<b>\$ 1.39</b>	<b>5.70%</b>
RTSR - Network	\$ 0.0060	259	\$ 1.55	\$ 0.0058	259	\$ 1.50	\$ (0.05)	-3.33%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0053	259	\$ 1.37	\$ 0.0052	259	\$ 1.35	\$ (0.03)	-1.89%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 27.30</b>			<b>\$ 28.61</b>	<b>\$ 1.31</b>	<b>4.80%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	259	\$ 0.93	\$ 0.0036	259	\$ 0.93	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	259	\$ 0.08	\$ 0.0003	259	\$ 0.08	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	162	\$ 10.52	\$ 0.0650	162	\$ 10.52	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	42	\$ 3.98	\$ 0.0940	42	\$ 3.98	\$ -	0.00%
TOU - On Peak	\$ 0.1320	45	\$ 5.92	\$ 0.1320	45	\$ 5.92	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 48.98</b>			<b>\$ 50.29</b>	<b>\$ 1.31</b>	<b>2.68%</b>
HST	13%		\$ 6.37	13%		\$ 6.54	\$ 0.17	2.68%
8% Rebate	8%		\$ (3.92)	8%		\$ (4.02)	\$ (0.10)	
<b>Total Bill on TOU</b>			<b>\$ 51.42</b>			<b>\$ 52.80</b>	<b>\$ 1.38</b>	<b>2.68%</b>

Customer Class: **RESIDENTIAL SERVICE CLASSIFICATION**

RPP / Non-RPP: **Non-RPP (Retailer)**

Consumption **750** kWh

Demand **-** kW

Current Loss Factor **1.0394**

Proposed/Approved Loss Factor **1.0394**

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 22.23	1	\$ 22.23	\$ 24.69	1	\$ 24.69	\$ 2.46	11.07%
Distribution Volumetric Rate	\$ 0.0037	750	\$ 2.78	\$ -	750	\$ -	\$ (2.78)	-100.00%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 25.01</b>			<b>\$ 24.69</b>	<b>\$ (0.31)</b>	<b>-1.26%</b>
Line Losses on Cost of Power	\$ 0.1101	30	\$ 3.25	\$ 0.1101	30	\$ 3.25	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	-\$ 0.0005	750	\$ (0.38)	-\$ 0.0012	750	\$ (0.90)	\$ (0.53)	140.00%
CBR Class B Rate Riders	-\$ 0.0001	750	\$ (0.08)	\$ -	750	\$ -	\$ 0.08	-100.00%
GA Rate Riders	-\$ 0.0001	750	\$ (0.08)	\$ 0.0004	750	\$ 0.30	\$ 0.38	-500.00%
Low Voltage Service Charge	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Additional Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 28.30</b>			<b>\$ 27.91</b>	<b>\$ (0.39)</b>	<b>-1.38%</b>
RTSR - Network	\$ 0.0060	780	\$ 4.68	\$ 0.0058	780	\$ 4.52	\$ (0.16)	-3.33%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0053	780	\$ 4.13	\$ 0.0052	780	\$ 4.05	\$ (0.08)	-1.89%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 37.11</b>			<b>\$ 36.49</b>	<b>\$ (0.62)</b>	<b>-1.68%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	780	\$ 2.81	\$ 0.0036	780	\$ 2.81	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	780	\$ 0.23	\$ 0.0003	780	\$ 0.23	\$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1101	750	\$ 82.58	\$ 0.1101	750	\$ 82.58	\$ -	0.00%
<b>Total Bill on Non-RPP Avg. Price</b>			<b>\$ 122.73</b>			<b>\$ 122.10</b>	<b>\$ (0.62)</b>	<b>-0.51%</b>
HST	13%		\$ 15.95	13%		\$ 15.87	\$ (0.08)	-0.51%
8% Rebate	8%			8%				
<b>Total Bill on Non-RPP Avg. Price</b>			<b>\$ 138.68</b>			<b>\$ 137.98</b>	<b>\$ (0.70)</b>	<b>-0.51%</b>

# Appendix B: Current 2018 Tariff and Schedule of Rates

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## Thunder Bay Hydro Electricity Distribution Inc. TARIFF OF RATES AND CHARGES Effective and Implementation Date May 1, 2018 approved schedules of Rates, Charges and Loss Factors

EB-2017-0075

### RESIDENTIAL SERVICE CLASSIFICATION

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

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	22.23
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0037
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kWh	(0.0005)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0060
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0053

### 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

Issued - March 22, 2018  
Revised - March 28, 2018

## Thunder Bay Hydro Electricity Distribution Inc. TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2018  
approved schedules of Rates, Charges and Loss Factors

EB-2017-0075

### GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 1,000 kW. This class includes medium and large-size commercial buildings, apartment buildings, condominiums, trailer courts, industrial plants, as well as large stores, shopping centers, hospitals, manufacturing or processing plants, garages, storage buildings, hotels, motels, schools, colleges, arenas and other comparable premises. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply:

General Service 50 to 1,000 kW non-interval metered

General Service 50 to 1,000 kW interval metered.

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

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	27.38
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0178
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019		
Applicable only for Non-RPP Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019		
Applicable only for Class B Customers	\$/kWh	(0.0005)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0057
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0049

### 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

Issued - March 22, 2018  
Revised - March 28, 2018

## Thunder Bay Hydro Electricity Distribution Inc. TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2018  
approved schedules of Rates, Charges and Loss Factors

EB-2017-0075

### GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 1,000 kW. This class includes medium and large-size commercial buildings, apartment buildings, condominiums, trailer courts, industrial plants, as well as large stores, shopping centers, hospitals, manufacturing or processing plants, garages, storage buildings, hotels, motels, schools, colleges, arenas and other comparable premises. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply:

General Service 50 to 1,000 kW non-interval metered

General Service 50 to 1,000 kW interval metered.

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

#### APPLICATION

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

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

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

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	\$	206.08
Distribution Volumetric Rate	\$/kW	3.3505
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	(0.2848)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable only for Class B Customers	\$/kW	(0.0296)
Retail Transmission Rate - Network Service Rate	\$/kW	2.2436
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8598
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.3799
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.0557

#### 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

Issued - March 22, 2018

Revised - March 28, 2018



## Thunder Bay Hydro Electricity Distribution Inc. TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2018  
approved schedules of Rates, Charges and Loss Factors

EB-2017-0075

### GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 1,000 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O.Reg.429/04. Further servicing details are available in the distributor's Conditions of Service.

#### APPLICATION

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

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	\$	2,948.48
Distribution Volumetric Rate	\$/kW	2.8240
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019		
Applicable only for Non-RPP Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	(0.2327)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019		
Applicable only for Class B Customers	\$/kW	(0.0248)
Retail Transmission Rate - Network Service Rate	\$/kW	2.3799
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0557

#### 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

Issued - March 22, 2018  
Revised - March 28, 2018

## Thunder Bay Hydro Electricity Distribution Inc. TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2018  
approved schedules of Rates, Charges and Loss Factors

EB-2017-0075

### UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less whose monthly average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, private sentinel lighting etc. The customer will provide detailed manufacturing information/documentation with regard to electrical demand/ consumption of the proposed unmetered load. 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)	\$	8.15
Distribution Volumetric Rate	\$/kWh	0.0119
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kWh	(0.0005)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0057
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0049

### 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

Issued - March 22, 2018  
Revised - March 28, 2018

## Thunder Bay Hydro Electricity Distribution Inc. TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2018  
approved schedules of Rates, Charges and Loss Factors

EB-2017-0075

### SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light. Further servicing details are available in the distributor's Conditions of Service.

#### APPLICATION

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

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

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

#### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	8.05
Distribution Volumetric Rate	\$/kW	6.4587
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	(0.1598)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable only for Class B Customers	\$/kW	(0.0260)
Retail Transmission Rate - Network Service Rate	\$/kW	1.7008
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4680

#### 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

Issued - March 22, 2018  
Revised - March 28, 2018

## Thunder Bay Hydro Electricity Distribution Inc. TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2018  
approved schedules of Rates, Charges and Loss Factors

EB-2017-0075

### STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting operation, controlled by photocells. The consumption for these customers will be based on the calculated load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. 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)	\$	1.12
Distribution Volumetric Rate	\$/kW	6.7322
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	\$/kW	(0.3462)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable only for Class B Customers	\$/kW	(0.0294)
Retail Transmission Rate - Network Service Rate	\$/kW	1.6919
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4378

### 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

Issued - March 22, 2018  
Revised - March 28, 2018

**Thunder Bay Hydro Electricity Distribution Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date May 1, 2018**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2017-0075

**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
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Issued - March 22, 2018  
Revised - March 28, 2018

## Thunder Bay Hydro Electricity Distribution Inc. TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2018  
approved schedules of Rates, Charges and Loss Factors

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### ALLOWANCES

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

### SPECIFIC SERVICE CHARGES

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

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

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

#### Customer Administration

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Easement letter	\$	15.00
Account history	\$	15.00
Returned cheque (plus bank charges)	\$	25.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
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
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

Service call - customer-owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	22.35

Issued - March 22, 2018  
Revised - March 28, 2018

## Thunder Bay Hydro Electricity Distribution Inc. TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2018  
approved schedules of Rates, Charges and Loss Factors

EB-2017-0075

### RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

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

### LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer	1.0394
Total Loss Factor - Primary Metered Customer	1.0290

Issued - March 22, 2018  
Revised - March 28, 2018

## Appendix C: Proposed 2019 Schedule and Tariff of Rates

### Thunder Bay Hydro Electricity Distribution Inc.

#### TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2019

approved schedules of Rates, Charges and Loss Factors

EB-2018-0069

#### RESIDENTIAL SERVICE CLASSIFICATION

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

#### APPLICATION

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

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

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

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

#### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	24.69
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kWh	(0.0012)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0058
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0052

#### 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



## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 1,000 kW. This class includes medium and large-size commercial buildings, apartment buildings, condominiums, trailer courts, industrial plants, as well as large stores, shopping centers, hospitals, manufacturing or processing plants, garages, storage buildings, hotels, motels, schools, colleges, arenas and other comparable premises. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply:

General Service 50 to 1,000 kW non-interval metered

General Service 50 to 1,000 kW interval metered.

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

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	27.59
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0179
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kWh	(0.0012)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0055
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0048

### 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

## GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 1,000 kW. This class includes medium and large-size commercial buildings, apartment buildings, condominiums, trailer courts, industrial plants, as well as large stores, shopping centers, hospitals, manufacturing or processing plants, garages, storage buildings, hotels, motels, schools, colleges, arenas and other comparable premises. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply:

General Service 50 to 1,000 kW non-interval metered

General Service 50 to 1,000 kW interval metered.

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

### APPLICATION

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

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

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

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	\$	207.63
Distribution Volumetric Rate	\$/kW	3.3756
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kW	(0.5277)
Retail Transmission Rate - Network Service Rate	\$/kW	2.1570
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8183
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.2880
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.0098

### 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

## GENERAL SERVICE 1,000 KW OR GREATER SERVICE

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 1,000 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O.Reg.429/04. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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	\$	2,970.59
Distribution Volumetric Rate	\$/kW	2.8452
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kW	(0.4397)
Retail Transmission Rate - Network Service Rate	\$/kW	2.2880
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0098

### 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

## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less whose monthly average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, private sentinel lighting etc. The customer will provide detailed manufacturing information/documentation with regard to electrical demand/consumption of the proposed unmetered load. 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)	\$	8.21
Distribution Volumetric Rate	\$/kWh	0.0120
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kWh	(0.0010)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0055
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0048

### 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

## SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light. 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)	\$	8.11
Distribution Volumetric Rate	\$/kW	6.5071
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kW	(0.3462)
Retail Transmission Rate - Network Service Rate	\$/kW	1.6351
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4352

### 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

## STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting operation, controlled by photocells. The consumption for these customers will be based on the calculated load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. 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)	\$	1.13
Distribution Volumetric Rate	\$/kW	6.7827
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until April 30, 2020 Applicable only for Non-RPP Customers	\$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until April 30, 2020	\$/kW	(0.5327)
Retail Transmission Rate - Network Service Rate	\$/kW	1.6266
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4057

### 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

## 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
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## ALLOWANCES

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

## SPECIFIC SERVICE CHARGES

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

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

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

### Customer Administration

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Easement letter	\$	15.00
Account history	\$	15.00
Returned cheque (plus bank charges)	\$	25.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
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
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

Service call - customer-owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	22.35

## RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

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

## LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer	1.0394
Total Loss Factor - Primary Metered Customer	1.0290



## Appendix D: 2018 - 2019 Bill Impacts

Customer Class: **RESIDENTIAL SERVICE CLASSIFICATION**

RPP / Non-RPP: **RPP**

Consumption **750** kWh

Demand **-** kW

Current Loss Factor **1.0394**

Proposed/Approved Loss Factor **1.0394**

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 22.23	1	\$ 22.23	\$ 24.69	1	\$ 24.69	\$ 2.46	11.07%
Distribution Volumetric Rate	\$ 0.0037	750	\$ 2.78	\$ -	750	\$ -	\$ (2.78)	-100.00%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 25.01</b>			<b>\$ 24.69</b>	<b>\$ (0.31)</b>	<b>-1.26%</b>
Line Losses on Cost of Power	\$ 0.0820	30	\$ 2.42	\$ 0.0820	30	\$ 2.42	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	-\$ 0.0005	750	\$ (0.38)	-\$ 0.0012	750	\$ (0.90)	\$ (0.53)	140.00%
CBR Class B Rate Riders	-\$ 0.0001	750	\$ (0.08)	\$ -	750	\$ -	\$ 0.08	-100.00%
GA Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 27.55</b>			<b>\$ 26.78</b>	<b>\$ (0.76)</b>	<b>-2.78%</b>
RTSR - Network	\$ 0.0060	780	\$ 4.68	\$ 0.0058	780	\$ 4.52	\$ (0.16)	-3.33%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0053	780	\$ 4.13	\$ 0.0052	780	\$ 4.05	\$ (0.08)	-1.89%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 36.36</b>			<b>\$ 35.36</b>	<b>\$ (1.00)</b>	<b>-2.75%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	780	\$ 2.81	\$ 0.0036	780	\$ 2.81	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	780	\$ 0.23	\$ 0.0003	780	\$ 0.23	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	488	\$ 31.69	\$ 0.0650	488	\$ 31.69	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	128	\$ 11.99	\$ 0.0940	128	\$ 11.99	\$ -	0.00%
TOU - On Peak	\$ 0.1320	135	\$ 17.82	\$ 0.1320	135	\$ 17.82	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 101.14</b>			<b>\$ 100.14</b>	<b>\$ (1.00)</b>	<b>-0.99%</b>
HST	13%		\$ 13.15	13%		\$ 13.02	\$ (0.13)	-0.99%
8% Rebate	8%		\$ (8.09)	8%		\$ (8.01)	\$ 0.08	
<b>Total Bill on TOU</b>			<b>\$ 106.20</b>			<b>\$ 105.15</b>	<b>\$ (1.05)</b>	<b>-0.99%</b>

Customer Class: **GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION**

RPP / Non-RPP: **RPP**

Consumption **2,000** kWh

Demand **-** kW

Current Loss Factor **1.0394**

Proposed/Approved Loss Factor **1.0394**

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 27.38	1	\$ 27.38	\$ 27.59	1	\$ 27.59	\$ 0.21	0.77%
Distribution Volumetric Rate	\$ 0.0178	2000	\$ 35.60	\$ 0.0179	2000	\$ 35.80	\$ 0.20	0.56%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	2000	\$ -	\$ -	2000	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 62.98</b>			<b>\$ 63.39</b>	<b>\$ 0.41</b>	<b>0.65%</b>
Line Losses on Cost of Power	\$ 0.0820	79	\$ 6.46	\$ 0.0820	79	\$ 6.46	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0005	2,000	\$ (1.00)	\$ 0.0012	2,000	\$ (2.40)	\$ (1.40)	140.00%
CBR Class B Rate Riders	\$ 0.0001	2,000	\$ (0.20)	\$ -	2,000	\$ -	\$ 0.20	-100.00%
GA Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Low Voltage Service Charge	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 68.81</b>			<b>\$ 68.02</b>	<b>\$ (0.79)</b>	<b>-1.15%</b>
RTSR - Network	\$ 0.0057	2,079	\$ 11.85	\$ 0.0055	2,079	\$ 11.43	\$ (0.42)	-3.51%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0049	2,079	\$ 10.19	\$ 0.0048	2,079	\$ 9.98	\$ (0.21)	-2.04%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 90.85</b>			<b>\$ 89.43</b>	<b>\$ (1.41)</b>	<b>-1.56%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,079	\$ 7.48	\$ 0.0036	2,079	\$ 7.48	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	2,079	\$ 0.62	\$ 0.0003	2,079	\$ 0.62	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	1,300	\$ 84.50	\$ 0.0650	1,300	\$ 84.50	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	340	\$ 31.96	\$ 0.0940	340	\$ 31.96	\$ -	0.00%
TOU - On Peak	\$ 0.1320	360	\$ 47.52	\$ 0.1320	360	\$ 47.52	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 263.18</b>			<b>\$ 261.77</b>	<b>\$ (1.41)</b>	<b>-0.54%</b>
HST	13%		\$ 34.21	13%		\$ 34.03	\$ (0.18)	-0.54%
8% Rebate	8%		\$ (21.05)	8%		\$ (20.94)	\$ 0.11	
<b>Total Bill on TOU</b>			<b>\$ 276.34</b>			<b>\$ 274.86</b>	<b>\$ (1.48)</b>	<b>-0.54%</b>

Customer Class: **GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION**

RPP / Non-RPP: **Non-RPP (Other)**

Consumption **47,142** kWh

Demand **118** kW

Current Loss Factor **1.0394**

Proposed/Approved Loss Factor **1.0394**

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 206.08	1	\$ 206.08	\$ 207.63	1	\$ 207.63	\$ 1.55	0.75%
Distribution Volumetric Rate	\$ 3.3505	118	\$ 395.36	\$ 3.3756	118	\$ 398.32	\$ 2.96	0.75%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	118	\$ -	\$ -	118	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 601.44</b>			<b>\$ 605.95</b>	<b>\$ 4.51</b>	<b>0.75%</b>
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	-\$ 0.2848	118	\$ (33.61)	-\$ 0.5277	118	\$ (62.27)	\$ (28.66)	85.29%
CBR Class B Rate Riders	-\$ 0.0296	118	\$ (3.49)	\$ -	118	\$ -	\$ 3.49	-100.00%
GA Rate Riders	-\$ 0.0001	47,142	\$ (4.71)	\$ 0.0004	47,142	\$ 18.86	\$ 23.57	-500.00%
Low Voltage Service Charge	\$ -	118	\$ -	\$ -	118	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		118	\$ -	\$ -	118	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 559.63</b>			<b>\$ 562.54</b>	<b>\$ 2.91</b>	<b>0.52%</b>
RTSR - Network	\$ 2.2436	118	\$ 264.74	\$ 2.1570	118	\$ 254.53	\$ (10.22)	-3.86%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.8598	118	\$ 219.46	\$ 1.8183	118	\$ 214.56	\$ (4.90)	-2.23%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 1,043.83</b>			<b>\$ 1,031.62</b>	<b>\$ (12.20)</b>	<b>-1.17%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	48,999	\$ 176.40	\$ 0.0036	48,999	\$ 176.40	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	48,999	\$ 14.70	\$ 0.0003	48,999	\$ 14.70	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	48,999	\$ 5,394.83	\$ 0.1101	48,999	\$ 5,394.83	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 6,630.01</b>			<b>\$ 6,617.81</b>	<b>\$ (12.20)</b>	<b>-0.18%</b>
HST	13%		\$ 861.90	13%		\$ 860.31	\$ (1.59)	-0.18%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 7,491.91</b>			<b>\$ 7,478.12</b>	<b>\$ (13.79)</b>	<b>-0.18%</b>

Customer Class: **GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICATION**

RPP / Non-RPP: **Non-RPP (Other)**

Consumption **531,688** kWh

Demand **1,509** kW

Current Loss Factor **1.0290**

Proposed/Approved Loss Factor **1.0290**

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 2,948.48	1	\$ 2,948.48	\$ 2,970.59	1	\$ 2,970.59	\$ 22.11	0.75%
Distribution Volumetric Rate	\$ 2.8240	1509	\$ 4,261.42	\$ 2.8452	1509	\$ 4,293.41	\$ 31.99	0.75%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	1509	\$ -	\$ -	1509	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 7,209.90</b>			<b>\$ 7,264.00</b>	<b>\$ 54.10</b>	<b>0.75%</b>
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	-\$ 0.2327	1,509	\$ (351.14)	-\$ 0.4397	1,509	\$ (663.51)	\$ (312.36)	88.96%
CBR Class B Rate Riders	-\$ 0.0248	1,509	\$ (37.42)	\$ -	1,509	\$ -	\$ 37.42	-100.00%
GA Rate Riders	-\$ 0.0001	531,688	\$ (53.17)	\$ 0.0004	531,688	\$ 212.68	\$ 265.84	-500.00%
Low Voltage Service Charge	\$ -	1,509	\$ -	\$ -	1,509	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	1,509	\$ -	\$ -	1,509	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 6,768.16</b>			<b>\$ 6,813.16</b>	<b>\$ 45.01</b>	<b>0.66%</b>
RTSR - Network	\$ 2.3799	1,509	\$ 3,591.27	\$ 2.2880	1,509	\$ 3,452.59	\$ (138.68)	-3.86%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.0557	1,509	\$ 3,102.05	\$ 2.0098	1,509	\$ 3,032.79	\$ (69.26)	-2.23%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 13,461.48</b>			<b>\$ 13,298.54</b>	<b>\$ (162.94)</b>	<b>-1.21%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	547,107	\$ 1,969.59	\$ 0.0036	547,107	\$ 1,969.59	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	547,107	\$ 164.13	\$ 0.0003	547,107	\$ 164.13	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	547,107	\$ 60,236.48	\$ 0.1101	547,107	\$ 60,236.48	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 75,831.92</b>			<b>\$ 75,668.99</b>	<b>\$ (162.94)</b>	<b>-0.21%</b>
HST		13%	\$ 9,858.15		13%	\$ 9,836.97	\$ (21.18)	-0.21%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 85,690.07</b>			<b>\$ 85,505.96</b>	<b>\$ (184.12)</b>	<b>-0.21%</b>

Customer Class: **UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION**

RPP / Non-RPP: **RPP**

Consumption **407** kWh

Demand **-** kW

Current Loss Factor **1.0394**

Proposed/Approved Loss Factor **1.0394**

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 8.15	1	\$ 8.15	\$ 8.21	1	\$ 8.21	\$ 0.06	0.74%
Distribution Volumetric Rate	\$ 0.0119	407	\$ 4.84	\$ 0.0120	407	\$ 4.88	\$ 0.04	0.84%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	407	\$ -	\$ -	407	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 12.99</b>			<b>\$ 13.09</b>	<b>\$ 0.10</b>	<b>0.78%</b>
Line Losses on Cost of Power	\$ 0.0820	16	\$ 1.31	\$ 0.0820	16	\$ 1.31	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	-\$ 0.0005	407	\$ (0.20)	-\$ 0.0010	407	\$ (0.41)	\$ (0.20)	100.00%
CBR Class B Rate Riders	-\$ 0.0001	407	\$ (0.04)	\$ -	407	\$ -	\$ 0.04	-100.00%
GA Rate Riders	\$ -	407	\$ -	\$ -	407	\$ -	\$ -	
Low Voltage Service Charge	\$ -	407	\$ -	\$ -	407	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	407	\$ -	\$ -	407	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 14.06</b>			<b>\$ 14.00</b>	<b>\$ (0.06)</b>	<b>-0.44%</b>
RTSR - Network	\$ 0.0057	423	\$ 2.41	\$ 0.0055	423	\$ 2.33	\$ (0.08)	-3.51%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0049	423	\$ 2.07	\$ 0.0048	423	\$ 2.03	\$ (0.04)	-2.04%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 18.55</b>			<b>\$ 18.36</b>	<b>\$ (0.19)</b>	<b>-1.02%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	423	\$ 1.52	\$ 0.0036	423	\$ 1.52	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	423	\$ 0.13	\$ 0.0003	423	\$ 0.13	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	265	\$ 17.20	\$ 0.0650	265	\$ 17.20	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	69	\$ 6.50	\$ 0.0940	69	\$ 6.50	\$ -	0.00%
TOU - On Peak	\$ 0.1320	73	\$ 9.67	\$ 0.1320	73	\$ 9.67	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 53.82</b>			<b>\$ 53.63</b>	<b>\$ (0.19)</b>	<b>-0.35%</b>
HST	13%		\$ 7.00	13%		\$ 6.97	\$ (0.02)	-0.35%
<b>Total Bill on TOU</b>			<b>\$ 60.81</b>			<b>\$ 60.60</b>	<b>\$ (0.21)</b>	<b>-0.35%</b>

Customer Class: **SENTINEL LIGHTING SERVICE CLASSIFICATION**

RPP / Non-RPP: **RPP**

Consumption **55** kWh

Demand **1** kW

Current Loss Factor **1.0394**

Proposed/Approved Loss Factor **1.0394**

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 8.05	1	\$ 8.05	\$ 8.11	1	\$ 8.11	\$ 0.06	0.75%
Distribution Volumetric Rate	\$ 6.4587	1	\$ 6.46	\$ 6.5071	1	\$ 6.51	\$ 0.05	0.75%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ <b>14.51</b>			\$ <b>14.62</b>	\$ <b>0.11</b>	<b>0.75%</b>
Line Losses on Cost of Power	\$ 0.0820	2	\$ 0.18	\$ 0.0820	2	\$ 0.18	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	-\$ 0.1598	1	\$ (0.16)	-\$ 0.3462	1	\$ (0.35)	\$ (0.19)	116.65%
CBR Class B Rate Riders	-\$ 0.0260	1	\$ (0.03)	\$ -	1	\$ -	\$ 0.03	-100.00%
GA Rate Riders	\$ -	55	\$ -	\$ -	55	\$ -	\$ -	
Low Voltage Service Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ <b>14.50</b>			\$ <b>14.45</b>	\$ <b>(0.05)</b>	<b>-0.36%</b>
RTSR - Network	\$ 1.7008	1	\$ 1.70	\$ 1.6351	1	\$ 1.64	\$ (0.07)	-3.86%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.4680	1	\$ 1.47	\$ 1.4352	1	\$ 1.44	\$ (0.03)	-2.23%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ <b>17.67</b>			\$ <b>17.52</b>	\$ <b>(0.15)</b>	<b>-0.85%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	57	\$ 0.21	\$ 0.0036	57	\$ 0.21	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	57	\$ 0.02	\$ 0.0003	57	\$ 0.02	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	36	\$ 2.32	\$ 0.0650	36	\$ 2.32	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	9	\$ 0.88	\$ 0.0940	9	\$ 0.88	\$ -	0.00%
TOU - On Peak	\$ 0.1320	10	\$ 1.31	\$ 0.1320	10	\$ 1.31	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ <b>22.65</b>			\$ <b>22.50</b>	\$ <b>(0.15)</b>	<b>-0.66%</b>
HST	13%		\$ 2.94	13%		\$ 2.93	\$ (0.02)	-0.66%
<b>Total Bill on TOU</b>			\$ <b>25.60</b>			\$ <b>25.43</b>	\$ <b>(0.17)</b>	<b>-0.66%</b>

Customer Class: **STREET LIGHTING SERVICE CLASSIFICATION**

RPP / Non-RPP: **Non-RPP (Other)**

Consumption **90** kWh

Demand **1** kW

Current Loss Factor **1.0394**

Proposed/Approved Loss Factor **1.0394**

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 1.12	1	\$ 1.12	\$ 1.13	1	\$ 1.13	\$ 0.01	0.89%
Distribution Volumetric Rate	\$ 6.7322	1	\$ 6.73	\$ 6.7827	1	\$ 6.78	\$ 0.05	0.75%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 7.85</b>			<b>\$ 7.91</b>	<b>\$ 0.06</b>	<b>0.77%</b>
Line Losses on Cost of Power	\$ 0.1101	4	\$ 0.39	\$ 0.1101	4	\$ 0.39	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.3462	1	\$ (0.35)	\$ 0.5327	1	\$ (0.53)	\$ (0.19)	53.87%
CBR Class B Rate Riders	\$ 0.0294	1	\$ (0.03)	\$ -	1	\$ -	\$ 0.03	-100.00%
GA Rate Riders	\$ 0.0001	90	\$ (0.01)	\$ 0.0004	90	\$ 0.04	\$ 0.05	-500.00%
Low Voltage Service Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 7.86</b>			<b>\$ 7.81</b>	<b>\$ (0.05)</b>	<b>-0.66%</b>
RTSR - Network	\$ 1.6919	1	\$ 1.69	\$ 1.6266	1	\$ 1.63	\$ (0.07)	-3.86%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.4378	1	\$ 1.44	\$ 1.4057	1	\$ 1.41	\$ (0.03)	-2.23%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 10.99</b>			<b>\$ 10.84</b>	<b>\$ (0.15)</b>	<b>-1.36%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	94	\$ 0.34	\$ 0.0036	94	\$ 0.34	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	94	\$ 0.03	\$ 0.0003	94	\$ 0.03	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	90	\$ 9.91	\$ 0.1101	90	\$ 9.91	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 21.51</b>			<b>\$ 21.36</b>	<b>\$ (0.15)</b>	<b>-0.69%</b>
HST	13%		\$ 2.80	13%		\$ 2.78	\$ (0.02)	-0.69%
<b>Total Bill on Average IESO Wholesale Market Price</b>			<b>\$ 24.31</b>			<b>\$ 24.14</b>	<b>\$ (0.17)</b>	<b>-0.69%</b>



Customer Class: **RESIDENTIAL SERVICE CLASSIFICATION**

RPP / Non-RPP: **RPP**

Consumption: **249** kWh

Demand: **-** kW

Current Loss Factor: **1.0394**

Proposed/Approved Loss Factor: **1.0394**

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 22.23	1	\$ 22.23	\$ 24.69	1	\$ 24.69	\$ 2.46	11.07%
Distribution Volumetric Rate	\$ 0.0037	249	\$ 0.92	\$ -	249	\$ -	\$ (0.92)	-100.00%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	249	\$ -	\$ -	249	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 23.15</b>			<b>\$ 24.69</b>	<b>\$ 1.54</b>	<b>6.65%</b>
Line Losses on Cost of Power	\$ 0.0820	10	\$ 0.80	\$ 0.0820	10	\$ 0.80	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	-\$ 0.0005	249	\$ (0.12)	-\$ 0.0012	249	\$ (0.30)	\$ (0.17)	140.00%
CBR Class B Rate Riders	-\$ 0.0001	249	\$ (0.02)	\$ -	249	\$ -	\$ 0.02	-100.00%
GA Rate Riders	\$ -	249	\$ -	\$ -	249	\$ -	\$ -	
Low Voltage Service Charge	\$ -	249	\$ -	\$ -	249	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		249	\$ -	\$ -	249	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 24.38</b>			<b>\$ 25.77</b>	<b>\$ 1.39</b>	<b>5.70%</b>
RTSR - Network	\$ 0.0060	259	\$ 1.55	\$ 0.0058	259	\$ 1.50	\$ (0.05)	-3.33%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0053	259	\$ 1.37	\$ 0.0052	259	\$ 1.35	\$ (0.03)	-1.89%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 27.30</b>			<b>\$ 28.61</b>	<b>\$ 1.31</b>	<b>4.80%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	259	\$ 0.93	\$ 0.0036	259	\$ 0.93	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0003	259	\$ 0.08	\$ 0.0003	259	\$ 0.08	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	162	\$ 10.52	\$ 0.0650	162	\$ 10.52	\$ -	0.00%
TOU - Mid Peak	\$ 0.0940	42	\$ 3.98	\$ 0.0940	42	\$ 3.98	\$ -	0.00%
TOU - On Peak	\$ 0.1320	45	\$ 5.92	\$ 0.1320	45	\$ 5.92	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 48.98</b>			<b>\$ 50.29</b>	<b>\$ 1.31</b>	<b>2.68%</b>
HST	13%		\$ 6.37	13%		\$ 6.54	\$ 0.17	2.68%
8% Rebate	8%		\$ (3.92)	8%		\$ (4.02)	\$ (0.10)	
<b>Total Bill on TOU</b>			<b>\$ 51.42</b>			<b>\$ 52.80</b>	<b>\$ 1.38</b>	<b>2.68%</b>

## **Appendix E: Global Adjustment Analysis Work Form**

Note 1 Year(s) Requested for Disposition  2014  
 2015  
 2016  
 2017

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

Year	Annual Net Change in Expected GA Balance from GA Analysis (cell K51)	Net Change in Principal Balance in the GL (cell C62)	Reconciling Items (sum of cells C63 to C75)	Adjusted Net Change in Principal Balance in the GL (cell C76)	Unresolved Difference	\$ Consumption at Actual Rate Paid (cell J51)	Unresolved Difference as % of Expected GA Payments to IESO
2014	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.0%
2015	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.0%
2016	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.0%
2017	\$ 606,264	\$ 113,405	\$ 357,811	\$ 471,216	-\$ 135,048	\$ 34,456,267	-0.4%
<b>Cumulative Balance</b>	<b>\$ 606,264</b>	<b>\$ 113,405</b>	<b>\$ 357,811</b>	<b>\$ 471,216</b>	<b>-\$ 135,048</b>	<b>\$ 34,456,267</b>	<b>N/A</b>



# GA Analysis Workform

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

Year		2017		
Total Metered excluding WMP	C = A+B	888,108,836	kWh	100%
RPP	A	500,532,638	kWh	56.4%
Non RPP	B = D+E	387,576,198	kWh	43.6%
Non-RPP Class A	D	85,869,306	kWh	9.7%
Non-RPP Class B*	E	301,706,892	kWh	34.0%

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

Note 4

**Analysis of Expected GA Amount  
Year**

	2017								
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed (\$/kWh)	\$ Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K
January	36,503,754			36,503,754	0.06687	\$ 2,441,006	0.08227	\$ 3,003,164	\$ 562,158
February	31,751,239			31,751,239	0.10559	\$ 3,352,613	0.08639	\$ 2,742,990	-\$ 609,624
March	34,289,644			34,289,644	0.08409	\$ 2,883,416	0.07135	\$ 2,446,566	-\$ 436,850
April	31,557,559			31,557,559	0.06874	\$ 2,169,267	0.10778	\$ 3,401,274	\$ 1,232,007
May	31,947,288			31,947,288	0.10623	\$ 3,393,760	0.12307	\$ 3,931,753	\$ 537,992
June	30,799,649			30,799,649	0.11954	\$ 3,681,790	0.11848	\$ 3,649,142	-\$ 32,648
July	24,113,590			24,113,590	0.10652	\$ 2,568,580	0.11280	\$ 2,720,013	\$ 151,433
August	23,828,632			23,828,632	0.11500	\$ 2,740,293	0.10109	\$ 2,408,836	-\$ 331,456
September	22,862,785			22,862,785	0.12739	\$ 2,912,490	0.08864	\$ 2,026,557	-\$ 885,933
October	23,707,605			23,707,605	0.10212	\$ 2,421,021	0.12563	\$ 2,978,386	\$ 557,366
November	25,620,297			25,620,297	0.11164	\$ 2,860,250	0.09704	\$ 2,486,194	-\$ 374,056
December	28,906,185			28,906,185	0.08391	\$ 2,425,518	0.09207	\$ 2,661,392	\$ 235,874
<b>Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)</b>	<b>345,888,225</b>	<b>-</b>	<b>-</b>	<b>345,888,225</b>		<b>\$ 33,850,003</b>		<b>\$ 34,456,267</b>	<b>\$ 606,264</b>

Calculated Loss Factor

1.1464

Note 5 **Reconciling Items**

	Item	Amount	Explanation
	<b>Net Change in Principal Balance in the GL (i.e. Transactions in the Year)</b>	\$ 113,405	
1a	True-up of GA Charges based on Actual Non-RPP Volumes - prior year	\$ -	
1b	True-up of GA Charges based on Actual Non-RPP Volumes - current year	\$ -	
2a	Remove prior year end unbilled to actual revenue differences	\$ 91,183	Add to GA Analysis Workform : Difference between December 2016 estimate and actual in January 2017.
2b	Add current year end unbilled to actual revenue differences	\$ -	
3a	Remove difference between prior year accrual/forecast to actual from long term load transfers	-\$ 6,023	Add to GA Analysis Workform : Difference between actual billing of the LTLT Settlement w Setup accrual for LTLT based on previous year estimate. True up at the time of settlement
3b	Add difference between current year accrual/forecast to actual from long term load transfers		
4	Remove GA balances pertaining to Class A customers		
5	Significant prior period billing adjustments recorded in current year		
6	Differences in GA IESO posted rate and rate charged on IESO invoice		
7	Differences in actual system losses and billed TLFs		
8	Others as justified by distributor	\$ 272,651	Add to GA Analysis Workform: Not all of Thunder Bay Hydro's billing cycles are on a calendar
9			
10			

Note 6	<b>Adjusted Net Change in Principal Balance in the GL</b>	\$	471,216
	<b>Net Change in Expected GA Balance in the Year Per Analysis</b>	\$	606,264
	<b>Unresolved Difference</b>	-\$	135,048
	<b>Unresolved Difference as % of Expected GA Payments to IESO</b>		<u>-0.4%</u>

**Appendix F: Account 1595 Analysis Work Form**

## 1595 Analysis Workform

Step 1

Components of the 1595 Account Balances:	Principal Balance Approved for Disposition	Carrying Charges Balance Approved for Disposition	Total Balances Approved for Disposition	Rate Rider Amounts Collected/Returned	Residual Balances Pertaining to Principal and Carrying Charges Approved for Disposition	Carrying Charges Recorded on Net Principal Account Balances	Total Residual Balances	Collections/Returns Variance (%)
Total Group 1 and Group 2 Balances excluding Account 1589 - Global Adjustment	-\$1,523,168	-\$46,831	-\$1,569,999	-\$1,437,243	-\$132,756	-\$11,672	-\$144,428	8.5%
Account 1589 - Global Adjustment	-\$1,123,783	-\$66,729	-\$1,190,512	-\$1,023,408	-\$167,104	-\$9,220	-\$176,324	14.0%
<b>Total Group 1 and Group 2 Balances</b>	<b>-\$2,646,951</b>	<b>-\$113,560</b>	<b>-\$2,760,511</b>	<b>-\$2,460,651</b>	<b>-\$299,860</b>	<b>-\$20,892</b>	<b>-\$320,752</b>	<b>10.9%</b>

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

Step 2

Select Rate Rider(s) Applicable for 1595 Recovery Period

- RATE RIDER - RSVA - GLOBAL ADJUSTMENT
- RATE RIDER - RSVA - GROUP 2 ACCOUNTS (if a separate Group 2 rate rider was created)
- OTHER 1
- OTHER 2
- OTHER 3



RATE RIDER - RSVA - GLOBAL ADJUSTMENT

Rate Rider Recovery Period (Months)

12

Data used to calculate rate rider (Data to agree with Rate Generator Model and OEB Decision as applicable for the vintage year) versus actuals

Rate Class	Unit	Allocated Balance to Rate Class as Approved by OEB	Denominator Used in Rider Calculation as Approved by OEB	Calculated Rate Rider as Approved by OEB	Projected Consumption over Recovery Period	Billed Consumption (kWh/kW) that the rider was applied against	Forecasted versus billed Consumption Variance (kWh/kW)	Calculated Variance (\$)	Calculated Variance (%)	Billed Consumption (kWh/kW) per RRR filings***	Billed Consumption (kWh/kW) applied to Recovery Period	RRR Variance (kWh/kW)	RRR variance (%)
RESIDENTIAL SERVICE CLASSIFICATION	kWh	(\$84,707)	32,526,740	(\$0.0026)	32,526,740	9,795,805	22,730,935	(\$59,100)	69.8%	11,313,104	11,313,104	1,517,299	15.5%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	(\$49,201)	18,892,749	(\$0.0026)	18,892,749	21,509,016	-2,616,267	\$6,802	-13.8%	22,552,362	22,552,362	1,043,346	4.9%
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	(\$630,478)	657,787	(\$0.9585)	657,787	572,249	85,538	(\$81,988)	13.0%	555,561	555,561	-16,688	-2.9%
GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICATION	kW	(\$395,997)	490,769	(\$0.8069)	490,769	456,635	34,134	(\$27,542)	7.0%	541,788	541,788	85,153	18.6%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	(\$1,003)	385,276	(\$0.0026)	385,276	388,440	-3,164	\$8	-0.8%	383,545	383,545	-4,895	-1.3%
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	\$0	0		0	0	0			0	0	0	
STREET LIGHTING SERVICE CLASSIFICATION	kW	(\$29,125)	31,502	(\$0.9245)	31,502	26,003	5,499	(\$5,084)	17.5%	26,874	26,874	871	3.4%
microFIT SERVICE CLASSIFICATION													
<b>TOTAL</b>		<b>(\$1,190,511)</b>						<b>(\$166,905)</b>	<b>14.0%</b>				

\*\*\*Data to agree with RRR filings, as applicable. Please refer to RRR Filing 2.1.5.4 to populate data.

Note that RRR data is used in this workform as a reasonability check to benchmark against billed consumption over the recovery period. There may be differences due to unbilled revenue accruals, recovery period dates, or other factors. However, any substantial deviations between billed consumption that the rider was applied against and billed consumption reported in RRR can be an indicator of rider misallocations or errors in the data used in the workform.

SUMMARY	
Total Calculated Account Balance	(\$286,792)
Total Account Residual Balance per Step 1 above	(\$299,860)
Unreconciled Differences****	\$13,068

\*\*\*\*Any unreconciled difference between amounts reported in the residual balances section in Step 1 and amounts calculated for the total of all applicable riders in Step 3 must be explained.

**Additional Notes and Comments**

Thunder Bay Hydro's 1595-2015 rate rider recovery for Global Adjustment disposition has resulted in a total difference of 14% for the following reasons; During its IRM Application (EB-2014-0114) as per the board direction Thunder Bay Hydro used a denominator for rider calculations based on "its most recent Board Approved volumetric load forecast" which was its 2013 Cost of Service Load Forecast (EB-2016-0167). The use of this forecast did not take into consideration the rapidly decreasing amount of residential customers which were opting away from retailers' services and towards standard supply service as their retail contracts came due. Residential Non-RPP customer counts decreased from 3,578 in 2013 to 1,343 in 2015 rate year representing a 62% decrease in expected Non-RPP consumption. Additionally the consumption by rate class decreased in all rate class categories by approximately 2%. Due to the change in consumption patterns Thunder Bay Hydro's customer classes experienced a reallocation from the GS 50-999 kW to the GS-50kW service classifications during at rate review which impacted the forecast by 13%(+/-) in both rate class categories. Streetlighting has experienced a decrease of 17% from the expected forecast during the 2015 rate year due to the introduction of a Retrofit Lighting Conservation Program in Thunder Bay Hydro's service territory.

## 1595 Analysis Workform

Step 1

Components of the 1595 Account Balances:	Principal Balance Approved for Disposition	Carrying Charges Balance Approved for Disposition	Total Balances Approved for Disposition	Rate Rider Amounts Collected/Returned	Residual Balances Pertaining to Principal and Carrying Charges Approved for Disposition	Carrying Charges Recorded on Net Principal Account Balances	Total Residual Balances	Collections/Returns Variance (%)
<b>Total Group 1 and Group 2 Balances excluding Account 1589 - Global Adjustment</b>	-\$506,390	-\$463,657	-\$970,047	-\$1,276,142	\$306,095	\$3,357	<b>\$309,451</b>	<b>-31.6%</b>
<b>Account 1589 - Global Adjustment</b>	\$1,591,357	\$41,420	\$1,632,777	\$2,138,695	-\$505,918	\$8,014	<b>-\$497,904</b>	<b>-31.0%</b>
<b>Total Group 1 and Group 2 Balances</b>	\$1,084,967	-\$422,237	\$662,730	\$862,553	-\$199,823	\$11,370	<b>-\$188,453</b>	<b>-30.2%</b>

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

- Step 2 **Select Rate Rider(s) Applicable for 1595 Recovery Period**
- RATE RIDER - GROUP 1 DVA ACCOUNTS (EXCLUDING GLOBAL ADJUSTMENT)
  - RATE RIDER - GROUP 1 DVA ACCOUNTS (EXCLUDING GLOBAL ADJUSTMENT) - NON-WMP
  - RATE RIDER - RSV A - GLOBAL ADJUSTMENT
  - RATE RIDER - RSV A - GROUP 2 ACCOUNTS (If a separate Group 2 rate rider was created)
  - OTHER 1
  - OTHER 2
  - OTHER 3

Step 3

**RATE RIDER - GROUP 1 DVA ACCOUNTS (EXCLUDING GLOBAL ADJUSTMENT)**

Rate Rider Recovery Period (Months)

12

Data used to calculate rate rider (Data to agree with Rate Generator Model and OEB Decision as applicable for the vintage year) versus actuals

Rate Class	Unit	Allocated Balance to Rate Class as Approved by OEB	Denominator Used in Rider Calculation as Approved by OEB	Calculated Rate Rider as Approved by OEB	Projected Consumption over Recovery Period	Billed Consumption (kWh/kW) that the rider was applied against	Forecasted versus billed Consumption Variance (kWh/kW)	Calculated Variance (\$)	Calculated Variance (%)	Billed Consumption (kWh/kW) per RRR filings***	Billed Consumption (kWh/kW) applied to Recovery Period	RRR Variance (kWh/kW)	RRR variance (%)
RESIDENTIAL SERVICE CLASSIFICATION	kWh	(\$337,630)	341,552,037	(\$0.0010)	341,552,037	427,416,514	-85,864,477	\$85,864	-25.4%	315,500,353	315,500,353	-111,916,161	-26.2%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	(\$134,938)	139,304,495	(\$0.0010)	139,304,495	185,495,486	-46,190,991	\$46,191	-34.2%	134,542,473	134,542,473	-50,953,013	-27.5%
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	(\$285,748)	712,997	(\$0.4008)	712,997	940,672	-227,675	\$91,252	-31.9%	665,597	665,597	-275,075	-29.2%
GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICATION	kW	(\$198,893)	534,121	(\$0.3724)	534,121	728,616	-194,495	\$72,430	-36.4%	522,457	522,457	-206,159	-28.3%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	(\$2,048)	2,099,482	(\$0.0010)	2,099,482	3,010,785	-911,303	\$911	-44.5%	2,189,100	2,189,100	-821,685	-27.3%
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	(\$180)	335	(\$0.5377)	335	308	27	(\$14)	8.0%	308	308	0	0.0%
STREET LIGHTING SERVICE CLASSIFICATION	kW	(\$10,611)	29,220	(\$0.3631)	29,220	31,144	-1,924	\$699	-6.6%	21,735	21,735	-9,409	-30.2%
microFIT SERVICE CLASSIFICATION													
<b>TOTAL</b>		<b>(\$970,048)</b>						<b>\$297,333</b>	<b>-30.7%</b>				

\*\*\*Data to agree with RRR filings, as applicable. Please refer to RRR Filing 2.1.5.4 to populate data.

Note that RRR data is used in this workform as a reasonability check to benchmark against billed consumption over the recovery period. There may be differences due to unbilled revenue accruals, recovery period dates, or other factors. However, any substantial deviations between billed consumption that the rider was applied against and billed consumption reported in RRR can be an indicator of rider misallocations or errors in the data used in the workform.

**RATE RIDER - RSA - GLOBAL ADJUSTMENT**

Rate Rider Recovery Period (Months)

12

Data used to calculate rate rider (Data to agree with Rate Generator Model and OEB Decision as applicable for the vintage year) versus actuals

Rate Class	Unit	Allocated Balance to Rate Class as Approved by OEB	Denominator Used in Rider Calculation as Approved by OEB	Calculated Rate Rider as Approved by OEB	Projected Consumption over Recovery Period	Billed Consumption (kWh/kW) that the rider was applied against	Forecasted versus billed Consumption Variance (kWh/kW)	Calculated Variance (\$)	Calculated Variance (%)	Billed Consumption (kWh/kW) per RRR filings***	Billed Consumption (kWh/kW) applied to Recovery Period	RRR Variance (kWh/kW)	RRR variance (%)
RESIDENTIAL SERVICE CLASSIFICATION	kWh	\$54,785	14,783,357	\$0.0037	14,783,357	9,717,286	5,066,071	\$18,744	34.2%	8,415,668	8,415,668	-1,301,618	-13.4%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	\$75,086	20,261,557	\$0.0037	20,261,557	29,681,868	-9,420,311	(\$34,855)	-46.4%	24,164,318	24,164,318	-5,517,550	-18.6%
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	\$867,644	579,366	\$1.4976	579,366	813,468	-234,102	(\$350,591)	-40.4%	537,954	537,954	-275,514	-33.9%
GENERAL SERVICE 1,000 KW OR GREATER SERVICE CLASSIFICATION	kW	\$595,874	463,383	\$1.2859	463,383	588,770	-125,387	(\$161,236)	-27.1%	522,457	522,457	-66,313	-11.3%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	\$1,403	378,680	\$0.0037	378,680	566,620	-187,940	(\$695)	-49.6%	400,618	400,618	-166,002	-29.3%
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	\$0	0		0	0	0			0	0	0	
STREET LIGHTING SERVICE CLASSIFICATION	kW	\$37,984	29,048	\$1.3076	29,048	30,886	-1,838	(\$2,403)	-6.3%	21,561	21,561	-9,325	-30.2%
microFIT SERVICE CLASSIFICATION													
<b>TOTAL</b>		<b>\$1,632,776</b>						<b>(\$531,035)</b>	<b>-32.5%</b>				

\*\*\*Data to agree with RRR filings, as applicable. Please refer to RRR Filing 2.1.5.4 to populate data.

Note that RRR data is used in this workform as a reasonability check to benchmark against billed consumption over the recovery period. There may be differences due to unbilled revenue accruals, recovery period dates, or other factors. However, any substantial deviations between billed consumption that the rider was applied against and billed consumption reported in RRR can be an indicator of rider misallocations or errors in the data used in the workform.

<b>SUMMARY</b>	
<b>Total Calculated Account Balance</b>	(\$233,703)
<b>Total Account Residual Balance per Step 1 above</b>	(\$199,823)
<b>Unreconciled Differences****</b>	<u>(\$33,880)</u>

\*\*\*\*Any unreconciled difference between amounts reported in the residual balances section in Step 1 and amounts calculated for the total of all applicable riders in Step 3 must be explained.

**Additional Notes and Comments**

Thunder Bay Hydro's 1595-2016 rate rider recovery for Group One DVA Accounts and Global Adjustment disposition amounts have resulted in total variance percentages of 30.7% and 32.5% (respectfully) for the following reasons;

1) September 9th 2016, Thunder Bay Hydro filed its 2017 Cost of Service Application (EB-2016-0105) with the OEB seeking approval for changes to the rates that Thunder Bay Hydro charges for electricity distribution effective May 1st 2017. During this time the rate application process was moved from a written hearing into an oral hearing by the board. On March 29th 2017 Thunder Bay Hydro was directed by the Board that "Thunder Bay Hydro's current Tariff of Rates and Charges (EB-2015-0103) shall be made interim as of May 1st 2017 and until such time as a final rate order is issued by the board."

Thunder Bay Hydro received its Final Rate Order for its 2017 application on October 19 2017 which ordered that; "Pursuant to the approval by the OEB of the terms and cost consequences of the OEB Decision, the new rates are effective September 1, 2017 and to be implemented on October 1, 2017." Due to Cost of Service demands it went undiscovered that Thunder Bay Hydro had not ceased the rate riders for both Group One DVA Accounts and Global Adjustment from rate order (EB-2015-0103) and continued to be refunded/charged beyond the sunset date of May 1 2017. This continuation of rate riders occurred until the 2017 rate change which was implemented October 1st 2017. It has been determined through this 1595 analysis that the rate riders which continued through the billing process from May 1st 2017 - October 1st 2017 have resulted in 5 months and 30% overcollection and over refunded amounts. Thunder Bay Hydro acknowledges the error in billing, however through disposition of the 1595-2016 account Thunder Bay Hydro will have the opportunity to "make whole" the 5 months of over collection and over refunded rate recoveries.

2) Residential customers opting off retailer services to standard supply also impacted the residential Non-RPP classification decreasing from the expected customer count of 1,807 in 2014 forecast to a customer count of 1,033 in