

IN THE MATTER OF the *Ontario Energy Board Act, 1998*, S.O. 1998, c.15, (Schedule B) (the “Act”);
AND IN THE MATTER OF an Application by Thunder Bay Hydro Electricity Distribution Inc. under Section 78 of the Act for an order or orders approving just and reasonable rates and other charges for electricity distribution to be effective May 1, 2017.

**THUNDER BAY HYDRO ELECTRICITY
DISTRIBUTION INC.**

DRAFT RATE ORDER

FILED: SEPTEMBER 28, 2017

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- A Thunder Bay Hydro's 2017 Proposed Tariff of Rates and Charges
- B Foregone Revenue Rate Rider Calculation
- C Deferral and Variance Rate Rider Calculation (7 month period)
- D Renewable Generation Calculation

DRAFT RATE ORDER

BACKGROUND

Thunder Bay Hydro Electricity Distribution Inc. (the “Applicant” or “Thunder Bay Hydro”) filed an application with the Ontario Energy Board (the “Board”) on September 9, 2016, as amended on October 5, 2016, under section 78 of the Ontario Energy Board Act, 1998, S.O. 1998, c. 15, (Schedule B) (the “Act”), seeking approval for changes to the rates that Thunder Bay Hydro charges for electricity distribution, to be effective May 1, 2017 (Board Number EB-2016-0105) (the “Application”).

Thunder Bay Hydro published a Notice of Application and Hearing dated November 9, 2016 and the Board issued Procedural Order No.1 on December 5, 2016, the latter of which required the parties to the proceeding to develop a draft issues list.

Thunder Bay Hydro and the following intervenors (the “Intervenors”), participated in the rate application process EB-2016-0105:

- Association of Major Power Consumers in Ontario (“AMPCO”);
- School Energy Coalition (“SEC”); and
- Vulnerable Energy Consumers Coalition (“VECC”).

Thunder Bay Hydro received its interrogatory submissions on December 28, 2016. Thunder Bay Hydro responded to this interrogatory submission, and filed its responses with the Board on January 31, 2017, pursuant to which Thunder Bay Hydro updated several models and submitted them to the Board as Live Excel documents. On February 3, 2017, following the interrogatories, OEB staff submitted a proposed issues list as agreed to by the parties with a couple items that were in dispute.

Pursuant with Procedural Order No. 1, a settlement conference was held from February 14, 2017 to February 16, 2017 which was attended by Thunder Bay Hydro and the Intervenors. The Settlement Conference was governed in accordance with the Board’s Rules of Practice and Procedure (the “Rules”) and the Board’s Practice Direction on Settlement Conferences. Mr. Chris Haussmann acted as facilitator for the settlement conference which lasted for 3 days. On March 29, 2017 the OEB issued its Interim Rate Order and Procedural Order No. 2 also establishing April 20 and 21, 2017 as the dates for an oral hearing on all unsettled issues.

Thunder Bay Hydro complied with the Board Order using the 2016 Board Approved Interim rates as of May 1, 2017.

Procedural Order No. 3 was issued April 18, 2017 announcing an oral hearing to commence on April 20, 2017.

Pursuant to Procedural Order No. 3 an oral hearing began on April 20, 2017 but was adjourned pending the filing of supplementary evidence by Thunder Bay Hydro related to the unsettled issues.

On May 1, 2017 Procedural Order No. 4 was issued and the board ordered that a revised settlement proposal and a statement of intent with respect to Mr. Tsimberg's evidence be filed by April 27, 2017. Further to the Board's Procedural Order No. 4, a partial settlement was filed by Thunder Bay Hydro on April 27, 2017.

The remaining unsettled issues were the following:

- Issues 1.1 and 2.1 Capital
- Issues 1.2 and 2.1 Operations, Maintenance & Administrative Expenses (OM&A)
- Issues 2.1 Cost of Capital.

Procedural Order No. 5 was issued on May 5, 2017 and ordered that Thunder Bay Hydro file its new expert report with the OEB by May 15, 2017. Thunder Bay Hydro filed with the Board the supplementary evidence on May 12, 2017.

Pursuant to Procedural Order No. 5 additional discovery through written interrogatory process on the supplementary evidence was completed on June 2, 2017, and Thunder Bay Hydro filed with the OEB complete written responses to all interrogatories on June 21 2017.

Following the filing of this additional discovery the parties reconvened for oral hearing on June 29, 2017 and June 30, 2017.

Procedural Order No.6 was issued July 4, 2017, and pursuant to Procedural Order No. 6 Thunder Bay Hydro filed its Argument in Chief on the unsettled issues with the OEB July 5,

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2017 and all parties responded to this by filing written submissions on the unsettled issues on July 15, 2017.

As requested by the Board in Procedural Order No. 6 Thunder Bay Hydro filed its reply submission with the OEB and forwarded it to all parties on July 28, 2017.

INTRODUCTION

The OEB issued its Decision and Order for Thunder Bay Hydro's 2017 Cost of Service Application on September 21st, 2017 (the "Decision"). The decision addressed the unsettled issues which as listed above were:

- Issues 1.1 and 2.1 Capital
- Issues 1.2 and 2.1 Operations, Maintenance & Administrative Expenses (OM&A)
- Issues 2.1 Cost of Capital.

As a result of the OEB's Decision Thunder Bay Hydro has revised a number of excel models in support of the Draft Rate Order. These live models have been filed through the OEB's e-filing service and include the following:

- BA_TBHEDI_2017_RRWF_20170922
- BA_TBHEDI_2017_Bill_Impact_Model_20170928
- BA_TBHEDI_2017_Cost Allocation_20170922
- BA_TBHEDI_2017_Tax_PILS_20170922
- BA_TBHEDI_2017_RTSRWF_20170922

Thunder Bay Hydro has also provided attachments to this Draft Rate Order which provide further support of the calculations for the Board.

This document is called a "Draft Rate Order" because it is a proposal by Thunder Bay Hydro to the Board accepting the changes pursuant to the Board's Decision and Order on the unsettled issues list in this proceeding.

In its Decision and Order, the OEB ordered that Thunder Bay Hydro file its draft rate order on or by September 28, 2017 (one week from the date of issue) with a proposed Tariff of Rates and Charges that reflects the OEB's finding in the decision, and also includes customer rate impacts and detailed information in support of the calculation of final rates in the draft rate order. The draft rate order must include the amount Thunder Bay Hydro expects to return to the IESO, plus the associated interest up to December 31, 2017.

CAPITAL

At Settlement Conference Thunder Bay Hydro presented a 2017 capital expenditure budget of \$12.526M.

The OEB Decision approved a 2017 total capital budget of \$11.526M which is a reduction of \$1.0M.

For the purpose of updating the relevant OEB models and determining final rates for 2017, Thunder Bay Hydro has reflected this reduction in the category of System Renewal.

This can be seen in the table below:

Table 1: 2017 Gross Capital Expenditures

Cost Category	2017 Settlement	2017 Board Decision	Variance
	\$'000		
System Access	2,662	2,662	-
System Renewal	8,380	7,380	1,000
System Service	230	230	-
General Plant	1,253	1,253	-
Total Expenditure	\$12,526	\$11,526	\$1,000

Thunder Bay Hydro notes that it's actual capital expenditure reduction may be achieved across varying cost categories; however any allocation between categories and accounts at this point in time would be arbitrary. In the Board Decision the OEB acknowledged that Thunder Bay Hydro's management team is still in the best position to prioritize its annual capital spending, given its expertise and knowledge of its system.

The removal of \$1M to the capital expenditures was also removed from Thunder Bay Hydro's Fixed Asset Continuity cost additions, as well as the accumulated depreciation addition related

to this reduction. The net impact of this reduction to accumulated depreciation was deduction to depreciation of \$12,500, resulting in a net book value reduction of \$987,500.

The average fixed asset balance reduction used in Thunder Bay Hydro's rate base calculation was reduced by \$493,750. The impact of these capital reduction calculations can be observed in the table below;

Table 2: 2017 Fixed Asset Continuity Impact

Fixed Asset Continuity	2017 Settlement	2017 Board Decision	Fixed Asset Net Impact	Average Fixed Asset Net Impact
Fixed Asset Closing Balance	\$212,216,530	\$211,216,530	(\$1,000,000)	(\$500,000)
Accumulated Depreciation Closing Balance	\$105,145,825	\$105,133,325	(\$12,500)	(\$6,250)
Net Book Value	\$107,070,705	\$106,083,205	(\$987,500)	(\$493,750)

OM&A

The OEB Decision and Order approved an OM&A budget for 2017 of \$15,210,000, which represents a reduction of \$470,655 from Thunder Bay Hydro's proposed 2017 OM&A budget of \$15,680,655.

For the purposes of updating the relevant OEB models and determining final rates for 2017, Thunder Bay Hydro has reflected this reduction in the category of Administrative and General Expenses. Thunder Bay Hydro noted that it's actual OM&A reduction will likely be achieved across a variety of accounts and cost categories; however any allocation between categories and accounts at this point in time would be arbitrary.

The OM&A reduction of \$470,655 has also resulted in a reduction of working capital allowance at the rate of 7.5% of \$35,299.

Table 3: 2017 OM&A, Working Capital, and WCA Impact

Category	Initial Application	Adjustments	Settlement	Adjustments	Board Decision
OM&A Expenses	\$15,206,729	(\$49,217)	\$15,157,512	(\$470,655)	\$14,686,857
Cost of Power	\$119,143,000	\$0	\$119,143,000	\$0	\$119,143,000
Working Capital Base	\$134,349,729	(\$49,217)	\$134,300,512	(\$470,655)	\$133,829,857
Working Capital Rate %	7.50%		7.50%		7.50%
	Initial Application	Impact	Settlement	Impact	Board Decision
Working Capital Allowance	\$10,076,230	(\$3,691)	\$10,072,538	(\$35,299)	\$10,037,239

RATE BASE

Thunder Bay's capital expenditures for 2017 were reduced by \$1M as per the OEB decision. Additionally this reduction resulted in an addback of \$12,500 related to depreciation addition, for a net reduction of \$987,500 of closing fixed asset balance. These changes resulted in rate base reducing by \$493,750 for 2017 (average of the 2017 reductions).

Thunder Bay Hydro's working capital expenses have been reduced by \$470,655, the amount of the 2017 OM&A reduction resulting from the Decision and Order. The decrease of \$470,655 at a working capital allowance rate of 7.5% results in a reduction of rate base of \$35,299.

The table below exhibits the impact of these adjustments on Rate Base:

Table 4: Rate Base: Revenue Requirement Work Form

Line No.	Rate Base Particulars	Initial Application	Adjustments	Interrogatory Responses	Adjustments	Per Board Decision
1	Gross Fixed Assets (average) ⁽²⁾	\$206,420,934	(\$2,479,513)	\$203,941,421	(\$500,000)	\$203,441,421
2	Accumulated Depreciation (average) ⁽²⁾	(\$104,299,243)	\$587,259	(\$103,711,984)	\$6,250	(\$103,705,734)
3	Net Fixed Assets (average) ⁽²⁾	\$102,121,691	(\$1,892,254)	\$100,229,437	(\$493,750)	\$99,735,687
4	Allowance for Working Capital ⁽¹⁾	\$10,076,230	(\$3,691)	\$10,072,538	(\$35,299)	\$10,037,239
5	Total Rate Base	\$112,197,921	(\$1,895,945)	\$110,301,976	(\$529,049)	\$109,772,927

COST OF CAPITAL

The OEB approved Thunder Bay Hydro's 2017 proposed cost of capital, which includes the OEB's deemed ROE of 8.78% a weighted long-term debt rate of 1.95% the deemed short-term debt rate of 1.76% and deemed capital structure of 40% equity and 60% debt. Thunder Bay Hydro was approved for its proposed regulated rate of return of 4.67% as seen in the table below:

Table 5: Approved 2017 Cost of Capital

2017		
Description	Deemed Portion	Effective Rate
Long-Term Debt	56.00%	1.95%
Short-Term Debt	4.00%	1.76%
Return On Equity	40.00%	8.78%
Weighted Debt Rate		1.94%
Regulated Rate of Return		4.67%

Thunder Bay Hydro's proposed ROE of 8.78% for 2017 is the OEB's deemed ROE for 2017. The impact of the \$1M capital expenditure reduction, and the \$470,655 OM&A expense reduction on the rate base, and cost of capital between Thunder Bay Hydro's Interrogatory responses and the Board Decision is provided in Table 1-F below. The Board Decision has effectively reduced Thunder Bay Hydro's Rate Base by \$529,049 resulting in the Regulated Return on Capital reducing by \$24,728. (Deemed interest expense reduction of \$6,148, and deemed return on equity reduction of \$18,580).

Table 6: Cost of Capital Calculation: Revenue Requirement Work Form

Interrogatory Responses						
		(%)		(\$)	(%)	(\$)
1	Debt					
	Long-term Debt	56.00%		\$61,769,106	1.95%	\$1,203,999
2	Short-term Debt	4.00%		\$4,412,079	1.76%	\$77,653
3	Total Debt	<u>60.00%</u>		<u>\$66,181,185</u>	<u>1.94%</u>	<u>\$1,281,652</u>
4	Equity					
	Common Equity	40.00%		\$44,120,790	8.78%	\$3,873,805
5	Preferred Shares	0.00%		\$ -	0.00%	\$ -
6	Total Equity	<u>40.00%</u>		<u>\$44,120,790</u>	<u>8.78%</u>	<u>\$3,873,805</u>
7	Total	<u>100.00%</u>		<u>\$110,301,976</u>	<u>4.67%</u>	<u>\$5,155,457</u>
Per Board Decision						
		(%)		(\$)	(%)	(\$)
8	Debt					
	Long-term Debt	56.00%		\$61,472,839	1.95%	\$1,198,224
9	Short-term Debt	4.00%		\$4,390,917	1.76%	\$77,280
10	Total Debt	<u>60.00%</u>		<u>\$65,863,756</u>	<u>1.94%</u>	<u>\$1,275,504</u>
11	Equity					
	Common Equity	40.00%		\$43,909,171	8.78%	\$3,855,225
12	Preferred Shares	0.00%		\$ -	0.00%	\$ -
13	Total Equity	<u>40.00%</u>		<u>\$43,909,171</u>	<u>8.78%</u>	<u>\$3,855,225</u>
14	Total	<u>100.00%</u>		<u>\$109,772,927</u>	<u>4.67%</u>	<u>\$5,130,730</u>

PILS

Amounts for 2017 income taxes are summarized in the table below. Income taxes are marginally reduced as a result of the Decision on Capital Expenditure budget, depreciation and the CCA.

Table 7: Impact on PILS

			Settlement	Per Board Decision	Impact
Determination of Taxable Income					
Utility net income before taxes			\$3,873,805	\$3,855,225	(\$18,580)
Adjustments required to arrive			(\$3,117,172)	(\$3,089,673)	\$27,499
Taxable income			\$756,633	\$765,552	\$8,919
Calculation of Utility income Taxes					
Income taxes			\$200,508	\$202,872	\$2,364
Gross-up of Income Taxes			\$72,292	\$73,144	\$852
Grossed-up Income Taxes			\$272,800	\$276,016	\$3,216
PILs / tax Allowance (Grossed-			\$272,800	\$276,016	\$3,216
Tax Rates					
Federal tax (%)			15%	15%	
Provincial tax (%)			12%	12%	
Total tax rate (%)			27%	27%	

EFFECTIVE DATE

In its Decision dated September 21, 2017, the OEB found the effective date of Thunder Bay Hydro's rates to be September 1, 2017, with an implementation date of October 1, 2017.

Thunder Bay Hydro confirms that in Attachment A: Thunder Bay Hydro's 2017 Proposed Tariff of Rates and Charges Thunder Bay Hydro has used an October 1, 2017 implementation date for the rates effective September 1, 2017. Thunder Bay Hydro has calculated the foregone Distribution revenue for the month of September and proposed rate riders are to be billed over a 7 month period effective from October 1, 2017 to April 30, 2018.

FOREGONE REVENUE RATE RIDER

Thunder Bay Hydro has calculated both fixed and variable distribution rate riders to recover the foregone September revenue over a 7 month recovery period. These foregone revenue rate riders are proposed to be effective from October 1, 2017 to April 30, 2018.

Pursuant with Procedural Order No. 2 Thunder Bay Hydro has continued billing to customers its 2016 board approved rates in the interim. Therefore for the month of September, Thunder Bay Hydro has calculated the foregone revenue as the differential rate(2017 rates as per draft rate order less the 2016 Board approved rates)and applied this differential rate to the 2017 Board approved load and customer forecast. Thunder Bay Hydro has added to its Draft Rate Order the following two rates for each rate class:

- “Foregone Distribution Revenue Rate Rider - Service Charge - Effective until April 30, 2018” representing the fixed distribution monthly rate rider.
- “Foregone Distribution Revenue Rate Rider - Volumetric Rate - Effective until April 30, 2018” representing the volumetric distribution rate rider.

These calculations are provided in Attachment B: Foregone Revenue Rate Rider Calculation and Thunder Bay Hydro has also filed a live excel model in support of these calculations.

Table 8: Foregone Revenue

Customer Class	Units	Foregone Distribution Revenue Rate Rider - Service Charge	Units	Foregone Distribution Revenue Rate Rider - Volumetric Rate
Residential	# of Customers	\$0.6443	per kWh	(\$0.0003)
General Service <50	# of Customers	\$0.0000	per kWh	\$0.0005
GS 50-999	# of Customers	\$0.0000	per kW	\$0.1030
GS < 1000	# of Customers	\$0.0000	per kW	\$0.0700
Street Lighting	# of Connection	(\$0.0078)	per kW	(\$0.0471)
USL	# of Connection	\$0.1474	per kWh	\$0.0002
Sentinel	# of Connection	\$0.1455	per kW	\$0.1168

DEFERRAL AND VARIANCE

Thunder Bay Hydro at the date of original submission proposed an effective date of May 1, 2017 for its 2017 rates.

In the Settlement Proposal, all parties accepted that all revenue and expense elements of the applied for deferral and variance accounts as appropriate, including the balances in the existing accounts and their disposition commencing May 1, 2017 and the continuation of existing accounts.

Thunder Bay Hydro has received a decision and order with an implementation date of October 1, 2017. In the spirit of billing consistency to customers, and also to reflect the OEB's approval of the October 1, 2017 effective date, Thunder Bay Hydro has calculated rate riders to align the full disposition of its 2015 yearend balance over a seven month period. These rate riders are proposed to be implemented and effective from October 1, 2017 to April 30, 2018.

Thunder Bay Hydro has calculated both fixed and variable rate riders to recover/return the full Deferral and variance account balances as at December 31, 2015 using its 2017 test year load forecast and customer connections over a 7 month forecast. These calculations are provided in Attachment C: Deferral and Variance Rate Rider Calculation (7 month period), and Thunder Bay Hydro has also filed a live Excel model in Support of these calculations.

RENEWABLE GENERATION CONNECTION FUNDING ADDER

Thunder Bay Hydro in its original rate application sought disposition to return to the IESO an amount of \$77,016 principle, plus associated interest of \$1,614 related to a project which was cancelled. This amount was calculated up to April 30, 2017. Thunder Bay Hydro noted to Board staff that Ontario Regulation 330/09 under the OEB Act requires the OEB to calculate the monthly amount to compensate qualifying distributors for rate protection provided to consumers. Although this return of funding to the IESO was a non-contestable item, due to the extended time frame of the rate application process Thunder Bay Hydro continues to receive this amount monthly on its IESO invoice.

As per the Board Decision and Order EB- 2017-0188 '2017 Green Energy Plan Electricity Rate Protection Benefit and Charge effective May 1, 2017' Thunder Bay Hydro is expected to continue collecting funds until the issuance of the next decision and order in relation to regulation 330/09.

Pursuant to Thunder Bay Hydro's decision and order received September 21, 2017, Thunder Bay Hydro has provided below the summary calculation of the expected return to the IESO, plus associated interest up to December 31, 2017. The full calculation has been provided in Attachment D: Renewable Generation Calculation.

Table 9: Renewable Generation Summary

Description	Principle	Interest	Total
December 31, 2015 Balance	(\$48,072)		(\$48,072)
Add: IESO Credit January to December 2016	(\$21,708)		(\$21,708)
Add: IESO Credit January to December 2017	(\$21,708)		(\$21,708)
Principle Balance for Disposition	(\$91,488)		(\$91,488)
December 31, 2015 Balance		(\$710)	(\$710)
Interest January to December 2016		(\$638)	(\$638)
Interest January to December 2017		(\$965)	(\$965)
Total Refund/ Payback to IESO Disposition Claim	(\$91,488.00)	(\$2,313.51)	(\$93,801.51)

BILL IMPACT ANALYSIS

Thunder Bay Hydro has completed its customer bill impact analysis after completing the above mentioned amendments related to the Board Decision and Order.

Thunder Bay Hydro's bill impact model was amended by Thunder Bay Hydro to consider the reduction of Time of Use rates as of July 1, 2017 in relation to the Ontario Fair Hydro Plan, the Board Decision to rescind customer OESP charges as of May 1, 2017 EB-2017-0135, as well as the reduction of the RRRP rate from 0.0013/kWh to 0.0003/kWh EB-2017-0234 as of July 1, 2017.

In accordance with section 2.8.12 of the Filing Requirements for Electricity Distribution Rate Applications, Thunder Bay Hydro has assessed the 10th consumption percentile within its Residential Rate Class as submitted in the original rate application – Exhibit 8.

For a residential customer with monthly consumption of 750 kWh, the total bill impacts using the proposed draft rate order calculations is an overall monthly bill decrease of (0.27%) or \$(0.30) including HST. This has decreased the bill impact primarily due to the total deferral/variance account rate rider being allocated over a 7 month billing period and increasing the volumetric return to a customer.

For a lower 10th percentile residential customer with monthly consumption of 253 kWh, the total bill impacts using the proposed draft rate order calculations is an overall monthly bill increase of 8.11% or \$4.01(including HST). This bill impact remains below the 10% threshold, and therefore no mitigation strategy is required.

The Table below presents a summary of Thunder Bay Hydro's bill impacts. Thunder Bay Hydro confirms that the rate and charges input into the Tariff and Bill Impacts Model is rounded to the decimal places as shown on the Draft Rate Order. Thunder Bay Hydro submits its bill impacts and Draft Rate Order considering all rates reasonable, and does not require any rate mitigation for any of its rate classes.

Table 10: Bill Impact Summary

		Total	
		A + B + C	
RATE CLASSES / CATEGORIES (eg: Residential TOU, Residential Retailer)	Units	\$	%
RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	(0.3037)	-0.27%
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION - RPP	kWh	1.8459	0.61%
GENERAL SERVICE 50 to 999 kW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	(90.8292)	-1.15%
GENERAL SERVICE GREATER THAN 1,000 kW - Non-RPP (Other)	kW	(898.8752)	-1.00%
LARGE USE SERVICE CLASSIFICATION - Non-RPP (Other)	kW	0.0000	0.00%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - RPP	kWh	(1.0082)	-1.62%
SENTINEL LIGHTING SERVICE CLASSIFICATION - RPP	kW	0.5062	2.18%
STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kW	(3.7230)	-17.81%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - RPP	kWh	37.7418	0.28%
STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kW	(5,084.56)	-3.72%
RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	3.0485	2.26%
SENTINEL LIGHTING SERVICE CLASSIFICATION - RPP	kW	(0.5067)	-0.43%
RESIDENTIAL SERVICE CLASSIFICATION - RPP - 10TH PERCENTILE	kWh	4.0136	8.11%
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	2.8523	0.76%

TARIFF OF RATE AND CHARGES

Thunder Bay Hydro has made a notable change to its proposed Tariff of Rate and Charges.

Thunder Bay Hydro has included wording in its General Service Larger Than 1,000 kW classification to differentiate its customers disposition entitlement as it relates between Class B and Class A customers for the rate rider disposition of 'Class B- WMS – Sub Account CBR', and the 'Global Adjustment for non-RPP Class B Customers'.

Thunder Bay Hydro has followed the Boards Decision on this matter using the decision in Guelph Hydro Electric Systems Inc. rate application EB-2016-0075.

Attachment A- Thunder bay Hydro's 2017 proposal tariff of rates and charges

TARIFF OF RATES AND CHARGES Effective September 1, 2017 and Implementation Date October 1, 2017 This schedule supersedes and replaces all previously

approved schedules of Rates, Charges and Loss Factors

EB-2016-0105

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. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	19.75
Foregone Distribution Revenue Rate Rider - Service Charge - Effective until April	\$	0.6443
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0074
Foregone Distribution Revenue Rate Rider - Volumetric Rate - Effective until April	\$/kWh	(0.0003)
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kWh	(0.0040)
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018	Applicable \$/kWh	0.0040
only for Non-RPP Customers	\$	0.3425
Rate Rider for Disposition of Gr 2 Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kWh	(0.0002)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (2017) - effective until April 30, 2018	\$/kWh	0.0048
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0036
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate - 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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0000
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Class I

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

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

OESP Credit \$ (113.00)

Class J

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

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

OESP Credit \$ (35.00)

Class K

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

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

OESP Credit \$ (40.00)

Class L

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

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

OESP Credit \$ (52.00)

Class M

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

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

OESP Credit \$ (60.00)

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to a non-residential 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. This class includes small commercial services such as small stores, small service stations, restaurants, churches, small offices and other establishments with similar loads. 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	\$	27.14
Foregone Distribution Revenue Rate Rider - Service Charge - Effective until April	\$	0.0000
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.7900
Distribution Volumetric Rate	\$/kWh	0.0176
Foregone Distribution Revenue Rate Rider - Volumetric Rate - Effective until April	\$/kWh	0.0005
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kWh	(0.0035)
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018 Applicable only for Non-RPP Customers	\$/kWh	0.0040
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (2017) - effective until April 30, 2018	\$/kWh	0.0009
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0046
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0033

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate - 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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0000
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.

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	\$	204.24
Foregone Distribution Revenue Rate Rider - Service Charge - Effective until April	\$	0.0000
Distribution Volumetric Rate	\$/kW	3.3206
Foregone Distribution Revenue Rate Rider - Volumetric Rate - Effective until April	\$/kW	0.1030
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kW	(1.3875)
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018	\$/kWh	0.0040
Applicable only for Non-RPP Customers		
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (2017) - effective until April 30, 2018	\$/kW	(0.0255)
Retail Transmission Rate - Network Service Rate	\$/kW	1.8045
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2638
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	1.9141
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.3969

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate - 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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0000
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

GENERAL SERVICE GREATER THAN 1,000 KW 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 Class B WMS - Sub account CBR (2017) is not applicable to wholesale market participants (WMP) and customers that transitioned between Class A and Class B in 2015. These transition customers 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 in accordance with a customer's Class A or Class B classification as at December 31, 2015 and the above noted exception for 2015 transition customers, for the entire period to the sunset date of the rate rider. The rate rider for the disposition of Global Adjustment (2017) is only applicable to non-RPP Class B customers. It is not applicable to WMP and customers that transitioned between Class A and Class B in the period of last Global Adjustment disposition to 2015. These transition customers 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 in accordance with a customer's Class A or Class B classification as at December 31, 2015 and the above noted exception for 2015 transition customers, for the entire period to the sunset date of the rate rider. 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	\$	2,922.18
Foregone Distribution Revenue Rate Rider - Service Charge - Effective until April	\$	0.0000
Distribution Volumetric Rate	\$/kW	2.7988
Foregone Distribution Revenue Rate Rider - Volumetric Rate - Effective until April	\$/kW	0.0700
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kW	(1.2605)
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018	\$/kWh	
Applicable only to Class B, Non-RPP customers who are not Wholesale Market Participants		0.0040
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (2017) - effective until April 30, 2018	\$/kW	(0.0438)
Retail Transmission Rate - Network Service Rate	\$/kW	1.9141
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.3969

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate - 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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0000
Standard Supply Service - Administrative Charge (if applicable)	\$/kWh	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)	\$	8.08
Foregone Distribution Revenue Rate Rider - Service Charge - Effective until April	\$	0.1474
Distribution Volumetric Rate	\$/kWh	0.0118
Foregone Distribution Revenue Rate Rider - Volumetric Rate - Effective until April	\$/kWh	0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kWh	(0.0035)
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018	\$/kWh	
Applicable only for Non-RPP Customers		0.0040
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (2017) - effective until April 30, 2018	\$/kWh	(0.0006)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0046
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0033

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate - 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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0000
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)	\$	7.98
Foregone Distribution Revenue Rate Rider - Service Charge - Effective until April	\$	0.1455
Distribution Volumetric Rate	\$/kW	6.4011
Foregone Distribution Revenue Rate Rider - Volumetric Rate - Effective until April 30, 2018	\$/kW	0.1168
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kW	(1.2522)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (2017) - effective until April 30, 2018	\$/kW	(0.3178)
Retail Transmission Rate - Network Service Rate	\$/kW	1.3679
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.9975

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate - 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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0000
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)	\$	1.11
Foregone Distribution Revenue Rate Rider - Service Charge - Effective until April	\$	(0.0078)
Distribution Volumetric Rate	\$/kW	6.6722
Foregone Distribution Revenue Rate Rider - Volumetric Rate - Effective until April	\$/kW	(0.0471)
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kW	(1.2150)
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018	\$/kWh	
Applicable only for Non-RPP Customers		0.0040
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (2017) - effective until April 30, 2018	\$/kW	(0.3002)
Retail Transmission Rate - Network Service Rate	\$/kW	1.3608
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.9770

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate - 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
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0000
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	(0.6000)
Primary Metering Allowance for transformer losses - applied to measured demand and energy	%	(1.00)

SPECIFIC SERVICE CHARGES

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

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

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the 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 < 5,000 kW	1.03940
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.02900



Attachment B- Foregone Revenue Rate Rider Calculation

Thunder Bay Hydro Calculation of Rate Riders for Recovery of Foregone Revenue							
Fixed Distribution Rate - Foregone Revenue							
Customer Class	Units	2017 Proposed Rate Rider	2016 Board Approved Rate Rider	Differential Rate	Foregone Revenue Rate Rider over 7 month period	1 Month - Customer Forecast	One Month Fixed Foregone Revenue (Oct 1, 2017 - April 30, 2018)
Residential	# of Customers	\$19.7500	\$15.2400	\$4.5100	\$0.6443	\$45,527.0071	\$205,326.8020
General Service <50	# of Customers	\$27.1400	\$27.1400	\$0.0000	\$0.0000	\$4,655.2596	\$0.0000
GS 50-999	# of Customers	\$204.2400	\$204.2400	\$0.0000	\$0.0000	\$459.9678	\$0.0000
GS < 1000	# of Customers	\$2,922.1800	\$2,922.1800	\$0.0000	\$0.0000	\$21.6406	\$0.0000
Street Lighting	# of Connections	\$1.1054	\$1.1600	(\$0.0546)	(\$0.0078)	\$13,274.4519	(\$724.6768)
USL	# of Connections	\$8.0819	\$7.0500	\$1.0319	\$0.1474	\$439.6616	\$453.6898
Sentinel	# of Connections	\$7.9787	\$6.9600	\$1.0187	\$0.1455	\$163.7634	\$166.8313
Total Foregone Fixed Revenue for September							\$205,223
Distribution Volumetric Rate - Foregone Revenue							
Customer Class	Units	2017 Proposed Rate Rider	2016 Board Approved Rate Rider	Differential Rate	Foregone Revenue Rate Rider over 7 month period	1 Month - Load Forecast	One Month Variable Foregone Revenue (Oct 1, 2017 - April 30, 2018)
Residential	per kWh	\$0.0074	\$0.0097	(\$0.0023)	(\$0.0003)	\$28,009,557.2066	(\$64,003.2405)
General Service <50	per kWh	\$0.0176	\$0.0140	\$0.0036	\$0.0005	\$11,891,433.9517	\$42,860.5531
GS 50-999	per kW	\$3.3206	\$2.5993	\$0.7213	\$0.1030	\$54,749.5648	\$39,490.6211
GS < 1000	per kW	\$2.7988	\$2.3087	\$0.4901	\$0.0700	\$38,910.3534	\$19,069.6620
Street Lighting	per kW	\$6.6722	\$7.0017	(\$0.3295)	(\$0.0471)	\$1,965.8441	(\$647.7722)
USL	per kWh	\$0.0118	\$0.0103	\$0.0015	\$0.0002	\$179,010.1312	\$269.8772
Sentinel	per kW	\$6.4011	\$5.5838	\$0.8173	\$0.1168	\$24.5645	\$20.0766
Total Foregone Variable Revenue for September							\$37,060
Total Foregone Revenue							\$242,282

Attachment C- Deferral and Variance Rate Ride Calculation (7 month period)

Rate Rider Tariff & Rate Sheet Grouping:					
Group 1 & Group 2	Units	1580, 1584, 1586, 1588, 1595, 1518, 1548, 1551			Group Two
RESIDENTIAL	kWh	(0.0040)	# of Customers	Monthly	0.3425
GS < 50KW	kWh	(0.0035)			
GS > 50- 999 KW	kW	(1.3875)			
GS >1000 KW	kW	(1.2605)			
STREET LIGHTS	kW	(1.2150)			
SENTINEL LIGHTS	kW	(1.2522)			
UNMETERED SCATTERED LOAD	kWh	(0.0035)			

Group 1 Non-RPP	Units	1589
RESIDENTIAL	kWh	0.0040
GS < 50KW	kWh	0.0040
GS > 50- 999 KW	kWh	0.0040
GS >1000 KW	kWh	0.0040
STREET LIGHTS	kWh	0.0040
SENTINEL LIGHTS	kWh	0.0000
UNMETERED SCATTERED LOAD	kWh	0.0040

LRAM	Units	1568
RESIDENTIAL	kWh	(0.0002)
GS < 50KW	kWh	0.0009
GS > 50- 999 KW	kW	(0.0255)
GS >1000 KW	kW	(0.0438)
STREET LIGHTS	kW	(0.3002)
SENTINEL LIGHTS	kW	(0.3178)
UNMETERED SCATTERED LOAD	kWh	(0.0006)

Attachment D- Renewable Generation Calculation

Thunder Bay Hydro : Renewable Generation Calculation						
Year	Monthly	Principle	IESO Renewable Generation - EB-2017-0188	Interest	% OEB Prescribed Interest Rate	Balance Total
2015	Year End - Balance	\$ 48,072.00		\$ 710.38		\$ 48,782.38
2016	January	\$ 49,881.00	\$ 1,809.00	\$ 44.07	1.10%	
2016	February	\$ 51,690.00	\$ 1,809.00	\$ 45.72	1.10%	
2016	March	\$ 53,499.00	\$ 1,809.00	\$ 47.38	1.10%	
2016	April	\$ 55,308.00	\$ 1,809.00	\$ 49.04	1.10%	
2016	May	\$ 57,117.00	\$ 1,809.00	\$ 50.70	1.10%	
2016	June	\$ 58,926.00	\$ 1,809.00	\$ 52.36	1.10%	
2016	July	\$ 60,735.00	\$ 1,809.00	\$ 54.02	1.10%	
2016	August	\$ 62,544.00	\$ 1,809.00	\$ 55.67	1.10%	
2016	September	\$ 64,353.00	\$ 1,809.00	\$ 57.33	1.10%	
2016	October	\$ 66,162.00	\$ 1,809.00	\$ 58.99	1.10%	
2016	November	\$ 67,971.00	\$ 1,809.00	\$ 60.65	1.10%	
2016	December	\$ 69,780.00	\$ 1,809.00	\$ 62.31	1.10%	
2016	Year End - Principle	\$ 69,780.00		\$ 1,348.62		\$ 71,128.62
2017	January	\$ 71,589.00	\$ 1,809.00	\$ 63.97	1.10%	
2017	February	\$ 73,398.00	\$ 1,809.00	\$ 65.62	1.10%	
2017	March	\$ 75,207.00	\$ 1,809.00	\$ 67.28	1.10%	
2017	April	\$ 77,016.00	\$ 1,809.00	\$ 68.94	1.10%	\$ 78,630.43
2017	May	\$ 78,825.00	\$ 1,809.00	\$ 70.60	1.10%	
2017	June	\$ 80,634.00	\$ 1,809.00	\$ 72.26	1.10%	
2017	July	\$ 82,443.00	\$ 1,809.00	\$ 73.91	1.10%	
2017	August	\$ 84,252.00	\$ 1,809.00	\$ 75.57	1.10%	
2017	September	\$ 86,061.00	\$ 1,809.00	\$ 77.23	1.10%	
2017	October	\$ 87,870.00	\$ 1,809.00	\$ 107.58	1.50%	
2017	November	\$ 89,679.00	\$ 1,809.00	\$ 109.84	1.50%	
2017	December	\$ 91,488.00	\$ 1,809.00	\$ 112.10	1.50%	Total Return to IESO
2017	Year End - Balance	\$ 91,488.00		\$ 2,313.51		\$ 93,802