



## EXHIBIT 8 – RATE DESIGN

2018 Cost of Service

Cooperative Hydro Embrun Inc.  
EB-2017-0035

## 8.1 TABLE OF CONTENT

<b>8.1 Table of Content .....</b>	<b>1</b>
<b>8.1 Rate Design .....</b>	<b>3</b>
8.1.1 - Overview of Current Rates .....	3
8.1.2 - Rate Design Policy Consultation.....	5
8.1.3 - Comparison of Fixed and Variable Charges under Current and Proposed Rates.....	8
8.1.4 - Retail Transmission Service Rates (RTSR) .....	12
8.1.5 - Retail Service Charges .....	17
8.1.6 - Wholesale Market Service Rate;.....	18
8.1.7 - Rural or Remote Rate Plan;.....	20
8.1.8 - Smart Metering Charge.....	21
8.1.9 - Specific Service Charges .....	22
8.1.10 - Low Voltage Service Rates (where applicable) .....	22
8.1.11 - Loss Adjustment Factors .....	25
8.1.12 - Revenue Reconciliation .....	27
8.1.13 - Tariff of Rates and Charges.....	29
8.1.14 – Conditions of Service .....	29
8.1.15 - Bill Impact Information .....	30
8.1.16 - Rate Mitigation/Foregone Revenues.....	32
<b>Appendices .....</b>	<b>33</b>

## Table of Figures

Table 1 - Distribution Revenues at Current Rates – 2018 Volumes .....	4
Table 2 - Customer Classes .....	4
Table 3 – Rate Design Bill Impact Comparison.....	6
Table 4 – OEB Appendix 2-P Residential Rate Design Calculation.....	6
Table 5 - Minimum and Maximum Fixed Charge as per the Cost Allocation Model .....	8
Table 6 - Current F/V split and Hypothetical Rates at Current F/V split .....	9
Table 7 - 2018 Rates at F/V split .....	10
Table 8 - Current vs Proposed RTSR Rates.....	13
Table 9 - Historical, Current and Forecasted Wholesale Comparison .....	14
Table 10 - Billed Amounts under existing and proposed RTSR rates .....	16
Table 11 - Pass-thru revenues for Wholesale Market Service Rate .....	19
Table 12 - Pass-thru revenues from RPPP .....	21
Table 13 - Pass-thru revenues From SME.....	21
Table 14 - Specific Service Charges .....	22
Table 15 - Calculation of proposed Low Voltage Charges.....	24
Table 16 – OEB Appendix 2-R Calculation of Proposed Loss Factor .....	26
Table 17 – OEB Appendix 2-V -Revenue Reconciliation .....	28
Table 18 – Bill Impact Scenarios.....	31
Table 20 -Table of Disposition Periods .....	32

## 8.1 RATE DESIGN

### 8.1.1 - OVERVIEW OF CURRENT RATES

CHEI's current 2017 rates were approved as part of the proceeding EB-2016-0063. CHEI applied for distribution rate adjustments pursuant to the IRM process. The existing rate schedule is presented in Appendix A.

In its decision, the OEB found that CHEI's rate application was filed in compliance with Chapter 3 of the Board's Filing Requirements for Transmission and Distribution Applications (the "Filing Requirements"), which outlines the application filing requirements for IRM applications based on the policies in the Reports. CHEI's rates were approved by the Board and rendered effective January 1, 2017, remain in effect until new rates are approved.

The following matters were addressed in the decision:

- Rates were adjusted by a price escalator less a productivity factor less the stretch factor. The Board established the price escalator to be 2.10%, the productivity factor to be 0% and the stretch factor to be 0.15%, the resulting price cap index adjustment was determined to be 1.95%.
- Other matters addressed in the decision include; Retail Transmission Service Rates; Wholesale Market Service Rate; Rural or Remote Rate Protection Charge; Smart Meter Entity Charge; Specific Service, MicroFit, and Retail Service Charges.

Table 1 below summarizes these revenue projections, showing the proportions attributable to fixed (monthly service) charges and variable (distribution volumetric) charges. Table 2 which follows the Revenues from Existing Fixed and Variable Charges shows the current customer classes. CHEI is not proposing any changes to its customer classes at this time.

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**Table 1 - Distribution Revenues at Current Rates – 2018 Volumes**

<b>2017 Rates at 2018 Load</b>								
Test Year Projected Revenue from Existing Variable Charges								
<i>Customer Class Name</i>	Variable Distribution Rate	per	Test Year Volume	Gross Variable Revenue	Transform. Allowance Rate	Transform. Allowance kW's	Transform. Allowance \$'s	Net Variable Revenue
<i>Residential</i>	\$0.0072	kWh	21,616,344	\$155,637.67			\$0.00	\$155,637.67
<i>General Service &lt; 50 kW</i>	\$0.0148	kWh	5,043,563	\$74,644.73			\$0.00	\$74,644.73
<i>General Service &gt; 50 to 4999 kW</i>	\$3.6957	kW	12,736	\$47,068.45	0.00		\$0.00	\$47,068.45
<i>Unmetered Scattered Load</i>	\$0.0055	kWh	82,127	\$451.70			\$0.00	\$451.70
<i>Street Lighting</i>	\$8.0867	kW	603	\$4,878.84			\$0.00	\$4,878.84
<i>Total Variable Revenue</i>			26,755,373	\$282,681.40	0	0	\$0.00	\$282,681.40
<b>2017 Rates at 2018 Load</b>								
Test Year Projected Revenue from Existing Fixed Charges								
<i>Customer Class Name</i>	Fixed Rate	Customers (Connections)	Fixed Charge Revenue	Variable Revenue	TOTAL	% Fixed Revenue	% Variable Revenue	% Total Revenue
<i>Residential</i>	\$21.8700	2,100	\$551,124.00	\$155,637.67	\$706,761.67	77.98%	22.02%	77.72%
<i>General Service &lt; 50 kW</i>	\$17.9000	172	\$36,969.84	\$74,644.73	\$111,614.58	33.12%	66.88%	12.27%
<i>General Service &gt; 50 to 4999 kW</i>	\$199.4500	9	\$21,540.60	\$47,068.45	\$68,609.05	31.40%	68.60%	7.54%
<i>Unmetered Scattered Load</i>	\$21.1600	17	\$4,415.87	\$451.70	\$4,867.57	90.72%	9.28%	0.54%
<i>Street Lighting</i>	\$1.9900	530	\$12,646.72	\$4,878.84	\$17,525.56	72.16%	27.84%	1.93%
<i>Total Fixed Revenue</i>		2,828	\$626,697.03	\$282,681.40	\$909,378.43			

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**Table 2 - Customer Classes**

<b>Customer Class Name</b>	<b>Existing</b>	<b>Proposed</b>	<b>Status</b>	<b>MSC Metric</b>	<b>Usage Metric</b>
<i>Residential</i>	YES	YES	Continued	Customer	kWh
<i>General Service &lt; 50 kW</i>	YES	YES	Continued	Customer	kWh
<i>General Service &gt; 50 to 1499 kW</i>	YES	YES	Continued	Customer	kW
<i>Unmetered Scattered Load</i>	YES	YES	Continued	Connection	kWh
<i>Street Lighting</i>	YES	YES	Continued	Connection	kW

4

### 8.1.2 - RATE DESIGN POLICY CONSULTATION

On April 2, 2015, the Ontario Energy Board (OEB) issued a new rate design policy that aimed to change the way local distributors bill their residential customers. Distribution charges, currently a blend of fixed and variable (per kilowatt-hour) rates would be an entirely fixed monthly service charge by 2019. Fair billing, grid innovation and enabling customer uptake of new technologies are among the OEB's objectives for this change. Customers would also benefit with a better understanding of the service they receive, and the right bill signals will assist them with conservation decisions.

CHEI has implemented the fixed rate design policy in this application. In accordance with the OEB's policy on Rate Design, the utility is opting to implement the rate design policy over a four year period of which two years are left. CHEI has calculated a five year transition in an effort to possibly mitigate the rates for the 10<sup>th</sup> percentile bill impacts. The table below shows a comparison of the bill impacts for the 10<sup>th</sup> percentile using a 2 year remainder vs. a 3 year remainder.<sup>1 2 3</sup> CHEI notes that the preferred option which is 2 remaining years, results in a change in fixed rate of less than \$4. Bill impacts for this class (and all other classes) are presented in Section 8.1.15 of this Exhibit.<sup>4</sup>

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<sup>1</sup> MFR - LDCs must propose changes to residential rates consistent with policy to transition to fully fixed monthly distribution service charge.

<sup>2</sup> MFR - Proposal follows approach set out in Tab 12 of RRWF

<sup>3</sup> MFR - If applicable, distributor with seasonal residential class must propose identical rate design treatment for such a class (N/A)

<sup>4</sup> Evidence showing that the monthly service charge would not rise by more than \$4 per year due only to the rate design change, and that the total bill impact, reflecting all proposed changes in the application, will not exceed 10%. If either of these criteria is not met, some form of mitigation may be required (i.e. extending transition period).

**Table 3 – Rate Design Bill Impact Comparison**

<i>Class</i>	<b>Years left in transition to fixed rates</b>	<b>Change in Fixed Rate</b>	<b>Bill impacts @ 318 kWh</b>	<b>Bill impacts @750 kWh</b>
<i>Residential</i>	2	3.96	15.20%	6.84%
<i>Residential</i>	3	2.64	13.89%	6.71%

CHEI's notes that its proposed change in fixed rate does not exceed the \$4.00 threshold. The resulting residential fixed charge is presented in Appendix 2-P at the next page.

**Table 4 – OEB Appendix 2-P Residential Rate Design Calculation**

Test Year Billing Determinants for Residential Class	
Customers	2,100
kWh	21,616,344

Proposed Residential Class Specific Revenue Requirement <sup>1</sup>	\$905,860.48
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Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	\$21.87
Distribution Volumetric Rate (\$/kWh)	\$0.01

B) Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	\$21.87	\$2,100.00	\$551,124.00	77.98%
Variable	\$0.01	\$21,616,343.65	\$155,637.67	22.02%
TOTAL	-	-	\$706,761.67	-

C) Calculating Test Year Base Rates

Number of Required Rate Design Policy Transition Years <sup>2</sup>	2
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	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$706,378.78	\$28.03	\$706,356.00
Variable	\$199,481.70	\$0.01	\$198,870.36
TOTAL	\$905,860.48	-	\$905,226.36

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Revenue Reconciliation @ Adjusted Rates
Fixed	88.99%	\$806,119.63	\$31.99	\$806,148.00
Variable	11.01%	\$99,740.85	\$0.00	\$99,435.18
TOTAL	-	\$905,860.48	-	\$905,583.18

Checks <sup>3</sup>	
Change in Fixed Rate	\$3.96
Difference Between Revenues @ Proposed Rates and Class Specific Revenue Requirement	-\$277.30
	\$0.00



### 8.1.3 - COMPARISON OF FIXED AND VARIABLE CHARGES UNDER CURRENT AND PROPOSED RATES

Table 5 below shows the Minimum Fixed Rate and Maximum Fixed Rate as calculated by the Cost Allocation process. Table 6 shows what the resulting rates would be if CHEI were to keep its current fixed to variable split. Lastly, Table 7 shows the proposed rates after the utility adjusted its fixed to variable split to fall within the minimum and maximum range.<sup>5</sup>

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

<b>Customer Class Name</b>	<b>Cost Allocation - Minimum Fixed Rate (b)</b>			<b>Cost Allocation - Maximum Fixed Rate (b)</b>		
	<b>Rate</b>	<b>Fixed %</b>	<b>Variable %</b>	<b>Rate</b>	<b>Fixed %</b>	<b>Variable %</b>
<i>Residential</i>	\$8.86	24.64%	75.36%	\$23.26	64.72%	35.28%
<i>General Service &lt; 50 kW</i>	\$7.59	15.49%	84.51%	\$21.68	44.28%	55.72%
<i>General Service &gt; 50 to 4999 kW</i>	\$14.44	2.17%	97.83%	\$199.45	29.96%	70.04%
<i>Unmetered Scattered Load</i>	\$7.79	27.79%	72.21%	\$21.16	75.52%	24.48%
<i>Street Lighting</i>	\$0.63	17.37%	82.63%	\$4.08	111.98%	-11.98%

<sup>5</sup> MFR - "The following is to be provided in relation to the fixed/variable proportion of proposed rates:

-Current F/V with supporting info

-Proposed F/V proportion with explanation for any changes (billing determinants from proposed load forecast)

-Comparison between current and proposed monthly fixed charges with the floor and ceiling as in cost allocation study

Analysis must be net of rate adders, funding adders, and rate riders"

1 **Table 6 - Current F/V split and Hypothetical Rates at Current F/V split**

<b>Customer Class Name</b>	<b>Current Rates and Fixed to Variable Split</b>			<b>Rates at Current Fixed to Variable Split</b>		
	<b>Rate</b>	<b>Fixed %</b>	<b>Variable %</b>	<b>Rate</b>	<b>Fixed %</b>	<b>Variable %</b>
<i>Residential</i>	\$21.87	77.98%	22.02%	\$28.03	77.98%	22.02%
<i>General Service &lt; 50 kW</i>	\$17.90	83.20%	16.80%	\$16.22	33.12%	66.88%
<i>General Service &gt; 50 to 4999 kW</i>	\$199.45	31.40%	68.60%	\$209.03	31.40%	68.60%
<i>Unmetered Scattered Load</i>	\$21.16	90.72%	9.28%	\$25.42	90.72%	9.28%
<i>Street Lighting</i>	\$1.99	72.16%	27.84%	\$2.63	72.16%	27.84%

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- 3 Following the adjustment of the revenue to cost ratios as described in Exhibit 7, certain classes
- 4 fell within the minimum and maximum fixed charge boundaries while others fell outside the
- 5 boundaries. CHEI's adjustment to its fixed to variable split involves the following steps:
- 6 1) Determining what the newly calculated rates would be if CHEI would keep its existing
  - 7 fixed to variable split (Table 7)
  - 8 2) Look at each class individually to see if the rates fall within the Minimum and Maximum
  - 9 range (Table 6)
  - 10 3) Adjust rates for each class accordingly.
  - 11 4) (CHEI notes that this process does not apply to the Residential Class as it is subject to its
  - 12 own adjustment to 100% fixed rate.)
- 13 Table 7 below shows the Current fixed/variable proportion for each rate class, along with the
- 14 reconciliation to the Base Revenue Requirement.

**Table 7 - 2018 Rates at F/V split<sup>6</sup>**

<b>Customer Class Name</b>	<b>Fixed Rate</b>	<b>Var Rate %</b>	<b>Fixed %</b>	<b>Variable %</b>	<b>Rev Req</b>
<i>Residential</i>	\$31.99	\$0.0046	88.99%	11.01%	905,860
<i>General Service &lt; 50 kW</i>	\$21.68	\$0.0112	44.28%	55.72%	101,117
<i>General Service &gt; 50 to 4999 kW</i>	\$199.45	\$3.9545	29.96%	70.04%	71,906
<i>Unmetered Scattered Load</i>	\$21.16	\$0.0174	75.52%	24.48%	5,847
<i>Street Lighting</i>	\$1.99	\$17.4164	54.62%	45.38%	23,154

### **Residential**

CHEI proposes to adjust its Residential Class fixed to variable rate closer to the 100% fixed rate. The resulting split is 89% fixed to 11% variable. The resulting fixed rate is proposed to be \$31.99.

### **GS < 50 kW**

For the General Service less than 50kW rate class, the split at current rates is 84% fixed to 16% variable. Keeping the current F/V split would cause the fixed rate to exceed the maximum. Therefore, CHEI proposed to adjust it to a ratio of 44% to 56%. The resulting fixed rate is proposed to be \$21.68.

### **GS > 50 kW**

The current rates are for the General Service 50 – 4,999 kW is 30% fixed to 70% variable. Since the calculated rates at current levels split fell outside the maximum boundary, CHEI opted to keep the same fixed rates as current rates. This decision is in compliance with the requirements which stated that “(If a distributor’s current fixed charge is higher than the calculated ceiling, there is no requirement to lower the fixed charge to the ceiling, nor are distributors expected to

<sup>6</sup> MFR - Monthly fixed charges - 2 decimal places; variable charges - 4 decimal places

1 raise the fixed charge further above the ceiling.)” The resulting fixed to variable split is 24% fixed  
2 to a 76% variable split. The resulting fixed rate is proposed to be \$199.45.

### 3 **Street Lighting**

4 The fixed charge rates for the Street Lighting classes were set so as to maintain its existing rate.  
5 This was done to minimize the Bill Impacts. The resulting Monthly Service Charge (“MSC”) is a  
6 slight increase from the currently approved rates and fall well within the boundaries produced  
7 by the 2018 Cost Allocation model. The MSC is set at \$1.99.

### 8 **Unmetered Scattered Load**

9 Similar to the GS > 50 Class, the rates at current levels split fell outside the maximum boundary.  
10 Therefore, CHEI opted to keep the same fixed rates as current rates. The resulting fixed to  
11 variable split is 76% fixed to a 24% variable split. The MSC is set at \$21.16.

#### 8.1.4 - RETAIL TRANSMISSION SERVICE RATES (RTSR)

Electricity distributors are charged for transmission costs at the wholesale level and subsequently pass these charges on to their distribution customers through the RTSRs. Variance accounts are used to capture timing differences and differences in the rate that a distributor pays for wholesale transmission service compared to the retail rate that the distributor is authorized to charge when billing its customers.

CHEI completed its 2018 proposed RTSR in accordance with the Guideline G-2008-0001: Electricity Distribution Retail Transmission Service Rates, October 22, 2008 (and any subsequent updates). The RTSR model provided by the Board is being filed in conjunction with this application.

The trend indicates that the current rates result in slight under-collection for the Network Service and slight over-collection for the Connection Service.

CHEI, therefore, proposes to adjust its RTSRs to offset the inequity in its existing retail rates.

Table 8 below presents the Applicant's existing versus its proposed RTSR for the Test Year. The proposed rates are reflected in the Applicant's projected power supply expense for 2018 as shown in Exhibit 3. Tables 9 through 11 show the historical transmission costs and revenues and the derivation of the newly proposed rates. The OEB RTSR model was used to calculate the proposed RTSR rates and has been filed in conjunction with this application and a PDF version included in Appendice D of this Exhibit.<sup>7 8</sup>

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<sup>7</sup> MFR - Retail Transmission Service Rate Work Form - PDF and Excel

<sup>8</sup> MFR - RTSR information must be consistent with working capital allowance calculation

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**Table 8 - Current vs Proposed RTSR Rates**

<b>Transmission - Network</b>		
	Existing	Proposed
<i>Class Name</i>	Rate	Rate
<i>Residential</i>	0.0073	0.0075
<i>General Service &lt; 50 kW</i>	0.0068	0.0069
<i>General Service &gt; 50 to 1499 kW</i>	2.7157	2.7724
<i>USL</i>	0.0068	0.0069
<i>Street Lighting</i>	2.0482	2.0910
<b>Transmission - Connection</b>		
	Existing	Proposed
<i>Class Name</i>	Rate	Rate
<i>Residential</i>	0.0057	0.0059
<i>General Service &lt; 50 kW</i>	0.0050	0.0051
<i>General Service &gt; 50 to 1499 kW</i>	2.0225	2.0670
<i>USL</i>	0.0050	0.0051
<i>Street Lighting</i>	1.5636	1.5979

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**Table 9 - Historical, Current and Forecasted Wholesale Comparison**

**Historical**

<i>Month</i>	<b>Units Billed</b>	<b>Rate</b>	<b>Amount</b>	<b>Units Billed</b>	<b>Rate</b>	<b>Amount</b>	<b>Units Billed</b>	<b>Rate</b>	<b>Amount</b>	<b>Amount</b>
<i>January</i>	5,972	\$3.41	\$20,376.89	5,972	\$0.79	\$4,705.30	5,972	\$1.80	\$10,759.66	\$15,464.96
<i>February</i>	5,758	\$3.34	\$19,229.65	6,236	\$0.78	\$4,858.44	6,236	\$1.77	\$11,045.76	\$15,904.19
<i>March</i>	5,247	\$3.34	\$17,522.08	5,310	\$0.78	\$4,137.22	5,310	\$1.77	\$9,406.06	\$13,543.29
<i>April</i>	4,481	\$3.34	\$14,966.32	4,588	\$0.78	\$3,574.83	4,588	\$1.77	\$8,127.45	\$11,702.28
<i>May</i>	5,665	\$3.34	\$18,917.16	5,745	\$0.78	\$4,475.70	5,745	\$1.77	\$10,175.60	\$14,651.31
<i>June</i>	6,162	\$3.34	\$20,580.08	6,162	\$0.78	\$4,801.16	6,162	\$1.77	\$10,915.53	\$15,716.69
<i>July</i>	6,056	\$3.34	\$20,222.95	6,056	\$0.78	\$4,717.84	6,056	\$1.77	\$10,726.11	\$15,443.95
<i>August</i>	6,447	\$3.34	\$21,528.73	6,447	\$0.78	\$5,022.47	6,447	\$1.77	\$11,418.69	\$16,441.15
<i>September</i>	5,554	\$3.34	\$18,548.87	5,554	\$0.78	\$4,327.29	5,554	\$1.77	\$9,838.19	\$14,165.48
<i>October</i>	4,478	\$3.34	\$14,955.16	4,478	\$0.78	\$3,488.91	4,478	\$1.77	\$7,932.11	\$11,421.02
<i>November</i>	5,006	\$3.34	\$16,718.54	5,006	\$0.78	\$3,900.29	5,006	\$1.77	\$8,867.39	\$12,767.68
<i>December</i>	6,025	\$3.34	\$20,122.49	6,025	\$0.78	\$4,694.40	6,025	\$1.77	\$10,672.83	\$15,367.23
<b>Total</b>	66,851	\$3.35	\$223,688.93	67,580	\$0.78	\$52,703.86	67,580	\$1.77	\$119,885.38	\$172,589.24

**Current**

<i>Month</i>	<b>Units Billed</b>	<b>Rate</b>	<b>Amount</b>	<b>Units Billed</b>	<b>Rate</b>	<b>Amount</b>	<b>Units Billed</b>	<b>Rate</b>	<b>Amount</b>	<b>Amount</b>
<i>January</i>	5,972	\$3.41	\$20,376.89	5,972	\$0.79	\$4,705.30	5,972	\$1.80	\$10,760.26	\$15,465.56
<i>February</i>	5,758	\$3.34	\$19,229.65	6,236	\$0.78	\$4,858.44	6,236	\$1.77	\$11,045.76	\$15,904.19
<i>March</i>	5,247	\$3.34	\$17,522.08	5,310	\$0.78	\$4,137.22	5,310	\$1.77	\$9,406.06	\$13,543.29
<i>April</i>	4,481	\$3.34	\$14,966.32	4,588	\$0.78	\$3,574.83	4,588	\$1.77	\$8,127.45	\$11,702.28
<i>May</i>	5,665	\$3.34	\$18,917.16	5,745	\$0.78	\$4,475.70	5,745	\$1.77	\$10,175.60	\$14,651.31
<i>June</i>	6,162	\$3.34	\$20,580.08	6,162	\$0.78	\$4,801.16	6,162	\$1.77	\$10,915.53	\$15,716.69
<i>July</i>	6,056	\$3.34	\$20,222.95	6,056	\$0.78	\$4,717.84	6,056	\$1.77	\$10,726.11	\$15,443.95
<i>August</i>	6,447	\$3.34	\$21,528.73	6,447	\$0.78	\$5,022.47	6,447	\$1.77	\$11,418.69	\$16,441.15
<i>September</i>	5,554	\$3.34	\$18,548.87	5,554	\$0.78	\$4,327.29	5,554	\$1.77	\$9,838.19	\$14,165.48
<i>October</i>	4,478	\$3.34	\$14,955.16	4,478	\$0.78	\$3,488.91	4,478	\$1.77	\$7,932.11	\$11,421.02
<i>November</i>	5,006	\$3.34	\$16,718.54	5,006	\$0.78	\$3,900.29	5,006	\$1.77	\$8,867.39	\$12,767.68
<i>December</i>	6,025	\$3.34	\$20,122.49	6,025	\$0.78	\$4,694.40	6,025	\$1.77	\$10,672.83	\$15,367.23
<b>Total</b>	66,851	\$3.35	\$223,688.93	67,580	\$0.78	\$52,703.86	67,580	\$1.77	\$119,885.98	\$172,589.84

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### Forecast

<i>Month</i>	<i>Units Billed</i>	<i>Rate</i>	<i>Amount</i>		<i>Units Billed</i>	<i>Rate</i>	<i>Amount</i>		<i>Units Billed</i>	<i>Rate</i>	<i>Amount</i>	<i>Amount</i>
<i>January</i>	5,972	\$3.41	\$20,376.89		5,972	\$0.79	\$4,705.30		5,972	\$1.80	\$10,760.26	\$15,465.56
<i>February</i>	5,758	\$3.34	\$19,229.65		6,236	\$0.78	\$4,858.44		6,236	\$1.77	\$11,045.76	\$15,904.19
<i>March</i>	5,247	\$3.34	\$17,522.08		5,310	\$0.78	\$4,137.22		5,310	\$1.77	\$9,406.06	\$13,543.29
<i>April</i>	4,481	\$3.34	\$14,966.32		4,588	\$0.78	\$3,574.83		4,588	\$1.77	\$8,127.45	\$11,702.28
<i>May</i>	5,665	\$3.34	\$18,917.16		5,745	\$0.78	\$4,475.70		5,745	\$1.77	\$10,175.60	\$14,651.31
<i>June</i>	6,162	\$3.34	\$20,580.08		6,162	\$0.78	\$4,801.16		6,162	\$1.77	\$10,915.53	\$15,716.69
<i>July</i>	6,056	\$3.34	\$20,222.95		6,056	\$0.78	\$4,717.84		6,056	\$1.77	\$10,726.11	\$15,443.95
<i>August</i>	6,447	\$3.34	\$21,528.73		6,447	\$0.78	\$5,022.47		6,447	\$1.77	\$11,418.69	\$16,441.15
<i>September</i>	5,554	\$3.34	\$18,548.87		5,554	\$0.78	\$4,327.29		5,554	\$1.77	\$9,838.19	\$14,165.48
<i>October</i>	4,478	\$3.34	\$14,955.16		4,478	\$0.78	\$3,488.91		4,478	\$1.77	\$7,932.11	\$11,421.02
<i>November</i>	5,006	\$3.34	\$16,718.54		5,006	\$0.78	\$3,900.29		5,006	\$1.77	\$8,867.39	\$12,767.68
<i>December</i>	6,025	\$3.34	\$20,122.49		6,025	\$0.78	\$4,694.40		6,025	\$1.77	\$10,672.83	\$15,367.23
<b>Total</b>	66,851	\$3.35	\$223,688.93		67,580	\$0.78	\$52,703.86		67,580	\$1.77	\$119,885.98	\$172,589.84

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**Table 10 - Billed Amounts under existing and proposed RTSR rates<sup>9</sup>**

**Transmission – Network**

Customer		2017			2018		
Class Name		Volume	Rate	Amount	Volume	Rate	Amount
Residential	kWh	22,215,003	0.0073	\$162,709	22,548,045	0.0075	\$168,597
General Service < 50 kW	kWh	5,215,832	0.0068	\$35,393	5,260,949	0.0069	\$36,445
General Service > 50 to 4999 kW	kW	12,701	2.7157	\$34,491	12,736	2.7724	\$35,309
Unmetered Scattered Load	kWh	86,927	0.0068	\$590	85,667	0.0069	\$593
Street Lighting	kW	590	2.0482	\$1,208	603	2.0910	\$1,262
TOTAL		27,531,053		\$234,392	27,908,001		\$242,206

**Transmission – Connection**

Customer		2017			2018		
Class Name		Volume	Rate	Amount	Volume	Rate	Amount
Residential	kWh	22,215,003	0.0057	\$127,726	22,548,045	0.0059	\$132,492
General Service < 50 kW	kWh	5,215,832	0.0050	\$26,028	5,260,949	0.0051	\$26,830
General Service > 50 to 4999 kW	kW	12,701	2.0225	\$25,688	12,736	2.0670	\$26,326
Unmetered Scattered Load	kWh	86,927	0.0050	\$434	85,667	0.0051	\$437
Street Lighting	kW	590	1.5636	\$922	603	1.5979	\$964
TOTAL		27,531,053		\$180,798	27,908,001		\$187,049

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<sup>9</sup> MFR - RTSR information must be consistent with working capital allowance calculation

## 8.1.5 - RETAIL SERVICE CHARGES

Retail services refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity as set out in the Retail Settlement Code ("RSC"). CHEI proposes to maintain most of its current Retail Service Charges and Specific Service Charges in this application with the exception of the Microfit Charge which is discussed further at Exhibit 3 Section 3.4.3 of Exhibit 3.

The following table shows the Retail Service Charges currently in effect and sought for approval in this proceeding.<sup>10</sup>

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

<sup>10</sup> MRF - If proposing changes to Retail Service Charges or introduction of new rates and charges - evidence of consultation and notice

#### 8.1.6 - WHOLESALE MARKET SERVICE RATE;

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

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

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

On November 19, 2015, the Board issued a Decision with Reasons and Rate Order establishing that the Wholesale Market Service rate ("WMS rate") used by rate regulated distributors to bill their customers shall be \$0.0036 per kilowatt hour effective January 1, 2016. This unit rate shall apply to a customer's metered energy consumption adjusted by the distributor's Board-approved Total Loss Factor. In compliance with the Decision and Order above, CHEI is proposing to maintain its existing Wholesale Market Service Charges at \$0.0036. CHEI proposes to recover \$111K through the wholesale market service charge.<sup>11</sup>

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<sup>11</sup> MFR - Wholesale Market Service Rate - reflect current approved rate in application or justify otherwise.

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**Table 11 - Pass-thru revenues for Wholesale Market Service Rate**

<b>Customer</b>	<b>2017</b>				<b>2018</b>		
			<b>rate (\$/kWh):</b>	<b>0.0052</b>		<b>rate (\$/kWh):</b>	<b>0.0052</b>
<i>Class Name</i>		Volume		Amount	Volume		Amount
<i>Residential</i>	kWh	22,215,003	0.00360	\$79,974	22,548,045	0.00360	\$81,173
<i>General Service &lt; 50 kW</i>	kWh	5,215,832	0.00360	\$18,777	5,260,949	0.00360	\$18,939
<i>General Service &gt; 50 to 4999 kW</i>	kWh	3,860,951	0.00360	\$13,899	2,949,371	0.00360	\$10,618
<i>Unmetered Scattered Load</i>	kWh	86,927	0.00360	\$313	85,667	0.00360	\$308
<i>Street Lighting</i>	kWh	406,995	0.00360	\$1,465	410,950	0.00360	\$1,479
<b>TOTAL</b>		<b>31,785,708</b>		<b>\$114,429</b>	<b>31,254,982</b>		<b>\$112,518</b>

8.1.7 - RURAL OR REMOTE RATE PLAN;

The Rural or Remote Electricity Rate Protection (RRRP) program is designed to provide financial assistance to eligible customers located in rural or remote areas where the costs of providing electricity service to these customers exceed the costs of providing electricity to customers located elsewhere in the province of Ontario. The RRRP amounts collected by the IESO are remitted to Hydro One Networks Inc. (Hydro One). Hydro One is required by regulation to pay out the funds received from the IESO to distributors that have received approval for RRRP and to track any over or under collections.

Board established that the RRRP charge used by rate regulated distributors to bill their customers should continue to be 0.0021 cents per kilowatt-hour, effective January 1, 2017. This unit rate shall apply to a customer's metered energy consumption adjusted by the distributor's Board-approved Total Loss Factor.

In compliance with the Decision and Order above, CHEI is proposing to increase its existing RPPP from \$0.0013 to \$0.0021. CHEI proposes to recover \$64K through its RPPP charge.

**Table 12 - Pass-thru revenues from RPPP**

<b>Customer</b> <i>Class Name</i>	2017				2018		
			rate (\$/kWh):			rate (\$/kWh):	
	Volume			Amount	Volume		Amount
<i>Residential</i>	kWh	22,215,003	0.00130	\$28,880	22,548,045	0.00210	\$47,351
<i>General Service &lt; 50 kW</i>	kWh	5,215,832	0.00130	\$6,781	5,260,949	0.00210	\$11,048
<i>General Service &gt; 50 to 4999 kW</i>	kWh	3,860,951	0.00130	\$5,019	2,949,371	0.00210	\$6,194
<i>Unmetered Scattered Load</i>	kWh	86,927	0.00130	\$113	85,667	0.00210	\$180
<i>Street Lighting</i>	kWh	406,995	0.00130	\$529	410,950	0.00210	\$863
<b>TOTAL</b>		<b>31,785,708</b>		<b>\$41,321</b>	<b>31,254,982</b>		<b>\$65,635</b>

### 8.1.8 - SMART METERING CHARGE

CHEI is proposing to maintain its existing Smart Meter Entity Charge ("SME"). The proposed rate remains at \$0.79. The table below shows the projected revenues collected from the SME.

**Table 13 - Pass-thru revenues From SME**

<b>Customer</b> <i>Class Name</i>	2017				2018		
			rate (\$/kWh):			rate (\$/kWh):	
	Volume			Amount	Volume		Amount
<i>Residential</i>	Cust	2,040	0.79000	\$1,612	2,100	0.79000	\$19,908
<i>General Service &lt; 50 kW</i>	Cust	168	0.79000	\$132	172	0.79000	\$1,632
<i>General Service &gt; 50 to 4999 kW</i>	Cust	9	0.79000	\$7	9	0.79000	\$85
<b>TOTAL</b>		<b>2,216</b>		<b>\$1,751</b>	<b>2,277</b>		<b>\$21,625</b>

## 8.1.9 - SPECIFIC SERVICE CHARGES

CHEI anticipates no material changes other than the MicroFit charge, to the following Specific Service Charge ("SSC") revenue and proposes to maintain the current rates at existing levels which are consistent with the OEB's Standard Rates. CHEI does not have any charges other than the ones that are listed below and listed in the utility's tariff sheet<sup>12</sup>. Reconciliation between Specific Service Charges and Other Revenues are presented at Exhibit 3.<sup>13</sup> CHEI is not proposing any new SSC at this time.

**Table 14 - Specific Service Charges<sup>14</sup>**

<b>Customer Administration</b>		
Arrears certificate	\$	15.00
Statement of account	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Income tax letter	\$	15.00
Account history	\$	15.00
Credit check (plus credit agency costs)	\$	25.00
Returned cheque (plus bank charges)	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	15.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00
<b>Non-Payment of Account</b>		
Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	20.00
Collection of account charge - no disconnection - after regular hours	\$	50.00
Disconnect/reconnect charge - at meter during regular hours	\$	25.00
Disconnect/reconnect charge - at meter after hours	\$	50.00
Disconnect/reconnect charge - at pole during regular hours	\$	185.00
Disconnect/reconnect charge - at pole after hours	\$	415.00
Install/remove load control device - during regular hours	\$	25.00
Install/remove load control device - after regular hours	\$	50.00
<b>Other</b>		
Special meter reads	\$	20.00
Service call - customer-owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Temporary service - installation and removal - overhead - no transformer	\$	500.00
Temporary service - installation and removal - underground - no transformer	\$	300.00
Temporary service - installation and removal - overhead - with transformer	\$	1,000.00
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	22.35

## 8.1.10 - LOW VOLTAGE SERVICE RATES (WHERE APPLICABLE)

<sup>12</sup> MFR - Identification of any rates and charges in Conditions of Service that do not appear on tariff sheet. Explain nature of costs, provide schedule outlining revenues or capital contributions 2012-2015, bridge and test years. Whether these charges should be included on tariff sheet.

<sup>13</sup> MFR - Ensure revenue from SSCs corresponds with Operating Revenue evidence

<sup>14</sup> MFR - Specific Service Charge description/purpose/reason for new and revised SSC; calculations to support charges

Table 15 below shows the derivation of proposed retail rates for Low Voltage ("LV") service. The 2017-2018 estimates of total LV charges were calculated based on the last years of actual charges from Hydro One. The reason for using 2016 is that Hydro One's LV charges increased considerably in 2016 compared to 2015 and previous years therefore the utility felt that using 2016 would be more appropriate.<sup>15</sup> LV Charges are outside of the control of the utility. The rates charged by the host distributor are approved by the OEB through a rate application process.<sup>16</sup>

The projections were allocated to customer classes, according to each class' share of projected Transmission-Connection revenue, in accordance with Board policy.<sup>17</sup> The resulting allocated LV charges for each class were divided by the applicable 2018 volumes from the load forecast, as presented in Exhibit 3.

Current LV revenues are recovered through a separate rate adder and therefore are not embedded within the approved Distribution Volumetric rate. 2017 LV rates appear on a distinct line item on the proposed schedule of rates.

The 2018 projected LV charges are based on an internal review of the historical charges.

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<sup>15</sup> MFR - Low Voltage Cost (historical, bridge, test), variances and explanations for substantive changes

<sup>16</sup> MFR - Support for forecast LV, e.g. Hydro One Sub-Transmission charges

<sup>17</sup> MFR - Allocation of LV cost to customer classes (typically proportional to Tx connection revenue)



**Table 15 - Calculation of proposed Low Voltage Charges<sup>18</sup>**

	2014	2015	2016	2017	2018
				avg	avg
4075-Billed - LV	\$66,955	\$64,899	\$53,630	\$61,828	\$61,828
4750-Charges - LV	\$72,735	\$71,341	\$82,149	\$90,279	\$98,400

**Low Voltage Charges - Allocation of LV Charges based on Transmission Connection Revenues**

Customer Class Name		RTSR Rate	Uplifted Volumes	Revenue	% Alloc
Residential	kWh	\$0.0059	22,548,045	\$132,492	70.83%
General Service < 50 kW	kWh	\$0.0051	5,260,949	\$26,830	14.34%
General Service > 50 to 4999 kW	kW	\$2.0670	12,736	\$26,326	14.07%
Unmetered Scattered Load	kWh	\$0.0051	85,667	\$437	0.23%
Street Lighting	kW	\$1.5979	603	\$964	0.52%
<b>TOTAL</b>			<b>27,908,005</b>	<b>\$187,049</b>	<b>100.00%</b>

Customer Class Name	% Allocation	Charges	Not Uplifted Volumes	Rate	per
Residential	70.83%	69,699	21,616,344	\$0.0032	kWh
General Service < 50 kW	14.34%	14,115	5,043,563	\$0.0028	kWh
General Service > 50 to 4999 kW	14.07%	13,849	2,827,501	\$0.0049	kW
Unmetered Scattered Load	0.23%	230	82,127	\$0.0028	kWh
Street Lighting	0.52%	507	393,969	\$0.0013	kW
<b>TOTAL</b>	<b>100.00%</b>	<b>98,400</b>	<b>29,963,508</b>		

**Low Voltage Charges to be added to power supply expense for bridge and test year.<sup>19</sup>**

Customer		2017			2018		
Class Name		Volume	Rate	Amount	Volume	Rate	Amount
Residential	kWh	21,046,900	\$0.0018	\$37,884	21,616,344	\$0.0032	\$69,700
General Service < 50 kW	kWh	4,941,575	\$0.0016	\$7,907	5,043,563	\$0.0028	\$14,115
General Service > 50 to 4999 kW	kW	12,701	\$0.5928	\$7,529	2,827,501	\$0.0049	\$13,849
Unmetered Scattered Load	kWh	82,356	\$0.0016	\$132	82,127	\$0.0028	\$230
Street Lighting	kW	590	\$0.4583	\$270	393,969	\$0.0013	\$507
<b>TOTAL</b>		<b>26,084,126</b>		<b>\$53,722</b>	<b>29,963,508</b>		<b>\$98,402</b>

<sup>18</sup> MFR - Forecast of LV cost, sum of host distributors charges

<sup>19</sup> MFR - Proposed LV rates by customer class

#### 8.1.11 - LOSS ADJUSTMENT FACTORS

CHEI proposes a Total Loss Factor ("TLF") of 1.0431,<sup>20</sup> using the historical average of the last five years as presented at Table 16<sup>21</sup>. The proposed TLF represents a decrease from its currently approved TLF of 1.0663. CHEI notes that although it was not directed to conduct a line loss study in its last Cost of Service, the utility makes a point of doing so prior to every Cost of Service application. The study is presented as part of the DSP.<sup>22</sup>

As an embedded distributor to Hydro One Networks Inc. ("HONI") CHEI uses the standard SFLF of 0.0034.<sup>23</sup>

Table 16 on the next page presents the determination of the Applicant's loss adjustment factor.

The utility's proposed loss factor falls below the OEB's threshold of >5%, therefore not specific action plan to reduce losses going forward is needed however. The utility is committed to continuing its efforts to reduce or maintain its losses at a minimum.<sup>24</sup>

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<sup>20</sup> MFR - Proposed SFLF and Total Loss Factor for test year

<sup>21</sup> MFR - Explanation of SFLF if not standard

<sup>22</sup> MFR - Study of losses if required by previous decision

<sup>23</sup> MFR - Statement as to whether LDC is embedded including whether fully or partially

<sup>24</sup> MFR - If proposed loss factor >5%, explanation and action plan to reduce losses going forward

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**Table 16 – OEB Appendix 2-R Calculation of Proposed Loss Factor<sup>25</sup>**

		Historical Years					5-Year Average
		2012	2013	2014	2015	2016	
	<b>Losses Within Distributor's System</b>						
	"Wholesale" kWh delivered to distributor (higher value)	-	-	-	-	-	-
	"Wholesale" kWh delivered to distributor (lower value)	30,091,478	30,301,350	30,157,452	29,896,472	29,672,839	30,023,918
	Portion of "Wholesale" kWh delivered to distributor for its Large Use Customer(s)	-	-	-	-	-	-
	Net "Wholesale" kWh delivered to distributor = <b>A(2) - B</b>	30,091,478	30,301,350	30,157,422	29,896,472	29,675,839	30,024,512
	"Retail" kWh delivered by distributor	29,115,342	29,088,283	28,976,657	28,755,563	28,472,872	28,881,743
	Portion of "Retail" kWh delivered by distributor to its Large Use Customer(s)		-		-	-	-
	Net "Retail" kWh delivered by distributor = <b>D - E</b>	29,115,342	29,088,283	28,976,657	28,755,563	28,472,872	28,881,743
	Loss Factor in Distributor's system = <b>C / F</b>	1	1	1	1	1	1
	<b>Losses Upstream of Distributor's System</b>						
	Supply Facilities Loss Factor	1.0034	1.0034	1.0034	1.0034	1.0034	1.0034
	<b>Total Losses</b>						
	Total Loss Factor = <b>G x H</b>	1.0370	1.0452	1.0443	1.0432	1.0458	1.0431

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<sup>25</sup> MFR - 3-5 years of historical loss factor data - Completed Appendix 2-R

8.1.12 - REVENUE RECONCILIATION<sup>26</sup>

OEB Appendix 2-V is which shows detailed calculations of revenue per rate class under current rates and proposed rates by customer class, and a detailed reconciliation of rate class revenue and other revenue to total revenue requirement.

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<sup>26</sup> MFR- Calculations of revenue per class under current and proposed rates; reconciliation of rate class revenue and other revenue to total revenue requirement

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**Table 17 – OEB Appendix 2-V -Revenue Reconciliation<sup>27</sup>**

	Customers/ Connections	Average	Test Year Consumption		Proposed Rates			Revenues at Proposed Rates	Revenues at Proposed Rates	Total	Class Specific Revenue Requirement	Total	Difference
			kWh	kW	Monthly Service Charge	Volumetric							
						kWh	kW						
Residential	kWh	2,100	21,616,344	-	\$31.99	\$0.0046		\$806,148.00	\$99,712.48	\$905,860.48		\$905,860.48	\$0.00
General Service < 50 kW	kWh	172	5,043,563	-	\$21.68	\$0.0112		\$44,776.88	\$56,340.53	\$101,117.41		\$101,117.41	\$0.00
General Service > 50 to 4999 kW	kW	9	2,827,501	12,736	\$199.45		\$3.9545	\$21,540.60	\$50,365.01	\$71,905.61		\$71,905.61	\$0.00
Unmetered Scattered Load	kWh	17	82,127	-	\$21.16	\$0.0174		\$4,415.87	\$1,431.59	\$5,847.45		\$5,847.45	\$0.00
Street Lighting	kW	530	393,969	603	\$1.99		\$17.4164	\$12,646.72	\$10,507.59	\$23,154.31		\$23,154.31	\$0.00
Total								\$889,528.07	\$218,357.19	\$1,107,885.26	\$0.00	\$1,107,885.26	\$0.00

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<sup>27</sup> MFR - Completed RRWF - Sheet 13 - rates and charges entered on this sheet should be rounded to the same decimal places as tariff

8.1.13 - TARIFF OF RATES AND CHARGES

The existing rate schedule is presented at Appendix A.<sup>28</sup> and the proposed rate schedule is presented at Appendix B

8.1.14 – CONDITIONS OF SERVICE

The utility updated its Conditions of Service in the spring of 2016. None of the updates made to the Cost of Service affected the rates proposed in this application.<sup>29</sup>

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<sup>28</sup> MFR - Current and proposed Tariff of Rates and Charges filed in the Tariff Schedule/Bill Impacts Model - each change must be explained and supported in the appropriate section of the application

<sup>29</sup> MFR - Explanation of changes to terms and conditions of service if changes affect application of rates

### 8.1.15 - BILL IMPACT INFORMATION

Section 2.8.13 of the Minimum Filing Requirements state that distributors must provide bill impacts for impact for a residential customer at the distributor's 10th consumption percentile. In other words, 10% of a distributor's residential customers consume at or less than this level of consumption on a monthly basis. In CHEI's case, the 10% percentile was calculated in the following manner;

- The utility produced a report which included Residential Customer Number and their Monthly Consumptions.
- The report filtered out customers that had less than 12 months of consumption and those that used less than 50 kWh per month.
- The report was then sorted by lowest to highest consumption.
- The utility then calculate the 10th percentile by taking 10% of the customer count (or number of records in the report).
- The utility then found the record corresponding to this customer's consumption became the "ceiling" for the lowest 10th percentile.
- The 10th percentile was determined to be 310.<sup>30</sup>

A list of bill impact scenario is presented at the next pages and actual bill impacts follow the table.<sup>31</sup>

Bill impacts are provided for typical customers and consumption levels for a range of consumption levels relevant to the service territory. CHEI notes that it does not have any customers with unique consumption and demand patterns where CHEI needs to show a typical impact and provide an explanation.<sup>32</sup> The impacts are shown using the CHEI's EB-2016-0000

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<sup>30</sup> MFR - Evaluation of bill impact for residential customer at 10th consumption percentile. Describe methodology for determination of 10th consumption percentile. File mitigation plan for whole residential class if impact > 10% for these customers.

<sup>31</sup> MFR - Impact of changes resulting from the as-filed application on representative samples of end-users (i.e. volume, % rate change and revenue). Commodity and regulatory charges held constant

<sup>32</sup> MFR - If applicable, for certain classes where one or more customers have unique consumption and demand patterns, the distributor must show a typical impact and provide an explanation

current approved rates and the proposed 2018 Cost of Service distribution rates, including rate riders for the recovery of deferral and variance accounts discussed in Exhibit 9.

CHEI notes that at the time of the filing, the OEB had not yet updated its Bill Impact Work Form therefore had little choice but to use its own bill impacts which replicate an older format of the OEB's calculation.<sup>33 34</sup> The utility's proposed bill impacts is presented in Appendix C of this Exhibit.

**Table 18 – Bill Impact Scenarios<sup>35</sup>**

<b>Class</b>	<b>Consumption</b>	<b>Number of Customers (weighted)</b>	<b>TOU</b>	<b>RPP</b>
<i>Residential (10th percentile)</i>	310 kWh/month	462	15.20%	15.72%
<i>Residential</i>	300-500 kWh/month	459	10.25%	10.66%
<i>Residential</i>	500-750 kWh/month	394	6.84%	7.01%
<i>Residential</i>	750-1000 kWh/month	757	4.89%	4.92%
<i>Residential</i>	1000-2000 kWh/month	119	1.58%	1.54%
<i>General Service less than 50</i>	2000 kWh/month	172	7.88%	7.67%
<i>General Service over 50</i>	80 kW/Month	9	-1.92%	1.90%
<i>Unmetered Scattered Load</i>	300 kWh/month	17 conn.	5.95%	6.10%
<i>Street Lighting</i>	48 kW/month	530 conn.	5.06%	4.95%

*\*\* There are 92 customer under 200kWh/month that are not illustrated in the above table*

The Residential customer class does at the 10<sup>th</sup> percentile and the 750 kWh do not exceed the 10% threshold. The dollar change for the 10<sup>th</sup> consumption percentile is less than \$4.00.

<sup>33</sup> MFR - Completed Bill Impacts Model for all classes in the distributor's tariff schedule. Bill impacts must identify existing rates, proposed changes to rates, and detailed bill impacts.

<sup>34</sup> MFR - Rates and charges input in the tariff schedule and Bill Impacts Model rounded to the decimal places as shown on the existing tariff

<sup>35</sup> Bill impacts provided for typical customers and consumption levels. Must provide residential 750 kWh, residential at the lowest 10th percentile and GS<50 2,000 kWh. Bill impacts must be provided for a range of consumption levels relevant to the service territory.



## 8.1.16 - RATE MITIGATION/FOREGONE REVENUES

**REVISED JUNE 14, 2017**

The bill impacts for low volume are above the 10% threshold and in compliance with filing requirements, require a rate mitigation plan. In determining its rate design strategy, CHEI has already analysed and tested all options available to the utility to minimize the rates for low volume consumers. For example, selecting a longer transition periods for the transition to fixed rate. CHEI has followed Board policy with respect to revenue to cost allocation however, the utility would be open to reallocating costs to other classes through the revenue to cost calculation. CHEI proposes to revisit the subject during settlement conference.

CHEI feels it important to note that in its service area, “low volume” does not always mean “low income” as it is the case for utilities that are mostly serviced by alternate fuel.<sup>36</sup>

For the initial application, CHEI proposes the following disposition periods. The utility fully expects that this may change throughout the application, during settlement or post decision.

**Table 19 -Table of Disposition Periods**

<i>Description</i>	<i>Period</i>
	of Rec/Ref
1550, 1551, 1584, 1586, 1595	1
1580 and 1588	1
1589 GA	1
Group 2	1
1568 LRAM	1
Fixed Rate Design	5

<sup>36</sup> MFR - Mitigation plan if total bill increase for any customer class is > 10% including: specification of class and magnitude of increase, description of mitigation measures, justification, revised impact calculation. The Tariff Schedule and Bill Impacts Model must reflect any mitigation plan proposed.

**APPENDICES**

Appendix A	Existing Tariff Sheet
Appendix B	Proposed Tariff Sheet
Appendix C	Bill Impacts
Appendix D	PDF of RTSR

1

**Appendix A Existing Tariff Sheet**

**Schedule A**

**To Decision and Rate Order**

**Tariff of Rates and Charges**

**OEB File No: EB-2016-0065**

**DATED: December 8, 2016**

# Cooperative Hydro Embrun Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2017

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

EB-2016-0065

## RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. 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 Ontario Energy Board, and amendments thereto as approved by 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 Ontario Energy Board, and amendments thereto as approved by 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	\$	21.87
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0072
Low Voltage Service Rate	\$/kWh	0.0018
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0073
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0057

## MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

**Cooperative Hydro Embrun Inc.**  
**TARIFF OF RATES AND CHARGES**  
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EB-2016-0065

## ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified on page 1 of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

### APPLICATION

The application of the charges are in accordance with the Distribution System Code (Section 9) and subsection 79.2(4) of the Ontario Energy Board Act, 1998.

The application of these 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.

In this class:

"Aboriginal person" includes a person who is a First Nations person, a Métis person or an Inuit person;

"account-holder" means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year;

"electricity-intensive medical device" means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;

"household" means the account-holder and any other people living at the accountholder's service address for at least six months in a year, including people other than the account-holder's spouse, children or other relatives;

"household income" means the combined annual after-tax income of all members of a household aged 16 or over;

### MONTHLY RATES AND CHARGES

#### Class A

(a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons; and

(d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons; but does not include account-holders in Class E.

OESP Credit \$ (30.00)

#### Class B

(a) account-holders with a household income of \$28,000 or less living in a household of three persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons;

but does not include account-holders in Class F.

OESP Credit \$ (34.00)

#### Class C

(a) account-holders with a household income of \$28,000 or less living in a household of four persons;

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;

(c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons;

but does not include account-holders in Class G.

OESP Credit \$ (38.00)

#### Class D

(a) account-holders with a household income of \$28,000 or less living in a household of five persons; and

(b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons;

but does not include account-holders in Class H.

OESP Credit \$ (42.00)

# Cooperative Hydro Embrun Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2017

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EB-2016-0065

**Class E**

Class E comprises account-holders with a household income and household size described under Class A 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 \$ (45.00)

**Class F**

- (a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or
- (c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:

- i. the dwelling to which the account relates is heated primarily by electricity;
- ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
- iii. 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 \$ (50.00)

**Class G**

Class G comprises account-holders with a household income and household size described under Class C 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 \$ (55.00)

**Class H**

Class H comprises account-holders with a household income and household size described under Class D 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)

**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 \$ (75.00)

**Cooperative Hydro Embrun Inc.**  
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EB-2016-0065

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

This classification applies to a non-residential account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

### **APPLICATION**

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of Ontario Energy Board, and amendments thereto as approved by 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 Ontario Energy Board, and amendments thereto as approved by 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	\$	17.90
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0148
Low Voltage Service Rate	\$/kWh	0.0016
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0050

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

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



**Cooperative Hydro Embrun Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2017**  
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EB-2016-0065

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

This classification applies to a non-residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's

### **APPLICATION**

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of Ontario Energy Board, and amendments thereto as approved by 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 Ontario Energy Board, and amendments thereto as approved by 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	\$	199.45
Distribution Volumetric Rate	\$/kW	3.6957
Low Voltage Service Rate	\$/kW	0.5928
Retail Transmission Rate - Network Service Rate	\$/kW	2.7157
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0225

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

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

**Cooperative Hydro Embrun Inc.**  
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EB-2016-0065

## **UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION**

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

### **APPLICATION**

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of Ontario Energy Board, and amendments thereto as approved by 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 Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, or as specified herein.

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

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

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

Service Charge (per customer)	\$	21.16
Distribution Volumetric Rate	\$/kWh	0.0055
Low Voltage Service Rate	\$/kWh	0.0016
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0050

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

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

**Cooperative Hydro Embrun Inc.**  
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EB-2016-0065

## **STREET LIGHTING SERVICE CLASSIFICATION**

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

### **APPLICATION**

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of Ontario Energy Board, and amendments thereto as approved by 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 Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, or as specified herein.

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

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

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

Service Charge (per connection)	\$	1.99
Distribution Volumetric Rate	\$/kW	8.0867
Low Voltage Service Rate	\$/kW	0.4583
Retail Transmission Rate - Network Service Rate	\$/kW	2.0482
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.5636

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

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

**Cooperative Hydro Embrun Inc.**  
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**Effective and Implementation Date January 1, 2017**  
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EB-2016-0065

## **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 Ontario Energy Board, and amendments thereto as approved by 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 Ontario Energy Board, and amendments thereto as approved by 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	\$	5.40
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**Cooperative Hydro Embrun Inc.**  
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EB-2016-0065

**ALLOWANCES**

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

**SPECIFIC SERVICE CHARGES**

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of Ontario Energy Board, and amendments thereto as approved by 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 Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, or as specified herein.

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**Customer Administration**

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Income tax letter	\$	15.00
Account history	\$	15.00
Credit check (plus credit agency costs)	\$	25.00
Returned cheque (plus bank charges)	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	15.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

**Non-Payment of Account**

Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	20.00
Collection of account charge - no disconnection - after regular hours	\$	50.00
Disconnect/reconnect charge - at meter during regular hours	\$	25.00
Disconnect/reconnect charge - at meter after hours	\$	50.00
Disconnect/reconnect charge - at pole during regular hours	\$	185.00
Disconnect/reconnect charge - at pole after hours	\$	415.00
Install/remove load control device - during regular hours	\$	25.00
Install/remove load control device - after regular hours	\$	50.00

**Other**

Special meter reads	\$	20.00
Service call - customer-owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Temporary service - installation and removal - overhead - no transformer	\$	500.00
Temporary service - installation and removal - underground - no transformer	\$	300.00
Temporary service - installation and removal - overhead - with transformer	\$	1,000.00
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	22.35

**Cooperative Hydro Embrun Inc.**  
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EB-2016-0065

## 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 Ontario Energy Board, and amendments thereto as approved by 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 Ontario Energy Board, and amendments thereto as approved by 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	1.0663
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0555

**Schedule B**

**To Decision and Rate Order**

**List of Rates and Charges Not Affected by the Price Cap or Annual IR Index**

**OEB File No: EB-2016-0065**

**DATED: December 8, 2016**

The following rates and charges are not affected by the Price Cap or Annual IR Index:

- Rate riders
- Rate adders
- Low voltage service charges
- Retail transmission service rates
- Wholesale market service rate
- Rural or remote electricity rate protection charge
- Standard supply service – administrative charge
- Ontario Electricity Support Program
- Transformation and primary metering allowances
- Loss factors
- Specific service charges
- microFIT charge
- Retail service charges



1 **Appendix B Proposed Tariff Sheet**

2

**Cooperative Hydro Embrun Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2018**  
**This schedule supersedes and replaces all previously**  
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EB-2017-0035

## RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. 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 Ontario Energy Board, and amendments thereto as approved by 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 Ontario Energy Board, and amendments thereto as approved by 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	\$	31.99
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0046
Rate Rider for Disposition of Deferral/Variance Accounts Balances (excluding Global Adj.) - effective until December 31, 2018	\$/kWh	0.0053
Rate Rider for Disposition of Deferral/Variance Accounts Balances (excluding Global Adj.) - NON-WMP - effective until December 31, 2018	\$/kWh	(0.0052)
Rate Rider for Disposition of RSVA - Power - Global Adjustment - NON-WMP - effective until December 31, 2018	\$/kWh	0.0076
Rate Rider for Disposition of Group 2 Accounts - effective until December 31, 2018	\$	0.60
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) - effective until December 31, 2018	\$/kWh	0.0004
Low Voltage Service Rate	\$/kWh	0.0032
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0075
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0059

## MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

**Cooperative Hydro Embrun Inc.**  
**TARIFF OF RATES AND CHARGES**  
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EB-2017-0035

## ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified on page 1 of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

### APPLICATION

The application of the charges are in accordance with the Distribution System Code (Section 9) and subsection 79.2(4) of the Ontario Energy Board Act, 1998.

The application of these 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.

In this class:

"Aboriginal person" includes a person who is a First Nations person, a Métis person or an Inuit person;  
"account-holder" means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year;  
"electricity-intensive medical device" means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;  
"household" means the account-holder and any other people living at the accountholder's service address for at least six months in a year, including people other than the account-holder's spouse, children or other relatives;  
"household income" means the combined annual after-tax income of all members of a household aged 16 or over;

### MONTHLY RATES AND CHARGES

#### Class A

- (a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons; and
- (d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons; but does not include account-holders in Class E.

OESP Credit \$ (30.00)

#### Class B

- (a) account-holders with a household income of \$28,000 or less living in a household of three persons;
  - (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;
  - (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons;
- but does not include account-holders in Class F.

OESP Credit \$ (34.00)

#### Class C

- (a) account-holders with a household income of \$28,000 or less living in a household of four persons;
  - (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;
  - (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons;
- but does not include account-holders in Class G.

OESP Credit \$ (38.00)

#### Class D

- (a) account-holders with a household income of \$28,000 or less living in a household of five persons; and
  - (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons;
- but does not include account-holders in Class H.

OESP Credit \$ (42.00)

#### Class E

- Class E comprises account-holders with a household income and household size described under Class A 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 \$ (45.00)

#### Class F

- (a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or
- (c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:

- i. the dwelling to which the account relates is heated primarily by electricity;
- ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
- iii. 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 \$ (50.00)

#### Class G

- Class G comprises account-holders with a household income and household size described under Class C 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 \$ (55.00)

#### Class H

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**EB-2017-0035**

Class H comprises account-holders with a household income and household size described under Class D 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)
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**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	\$	(75.00)
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EB-2017-0035

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

This classification applies to a non-residential account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. 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 Ontario Energy Board, and amendments thereto as approved by 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 Ontario Energy Board, and amendments thereto as approved by 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	\$	21.68
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0112
Low Voltage Service Rate	\$/kWh	0.0028
Rate Rider for Disposition of Deferral/Variance Accounts Balances (excluding Global Adj.) - effective until December 31, 2018	\$/kWh	0.0053
Rate Rider for Disposition of Deferral/Variance Accounts Balances (excluding Global Adj.) - NON-WMP - effective until December 31, 2018	\$/kWh	(0.0052)
Rate Rider for Disposition of KSA - Power - Global Adjustment - NON-WMP - effective until December 31, 2018	\$/kWh	0.0076
Rate Rider for Disposition of Group 2 Accounts - effective until December 31, 2018	\$	0.70
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) - effective until December 31, 2018	\$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0069
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0051

**MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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EB-2017-0035

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

This classification applies to a non-residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. 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 Ontario Energy Board, and amendments thereto as approved by 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 Ontario Energy Board, and amendments thereto as approved by 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	\$	199.45
Distribution Volumetric Rate	\$/kW	3.9545
Low Voltage Service Rate	\$/kW	0.0049
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2017) - effective until April 30, 2018	\$/kWh	1.5251
Rate Rider for Disposition of Deferral/Variance Accounts Balances (excluding Global Adj.) - effective until December 31, 2018	\$/kWh	(1.5016)
Rate Rider for Disposition of Deferral/Variance Accounts Balances (excluding Global Adj.) - NON-WMP - effective until December 31, 2018	\$/kWh	0.0076
Rate Rider for Disposition of KSA - Power - Global Adjustment - NON-WMP - effective until December 31, 2018	\$/kWh	23.66
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) - effective until December 31, 2018	\$/kWh	0.1019
Retail Transmission Rate - Network Service Rate	\$/kW	2.7724
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0670

**MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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**TARIFF OF RATES AND CHARGES**  
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EB-2017-0035

**UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION**

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. 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 Ontario Energy Board, and amendments thereto as approved by 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 Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, or as specified herein.

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

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

**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge (per customer)	\$	21.16
Distribution Volumetric Rate	\$/kWh	0.0174
Low Voltage Service Rate	\$/kWh	0.0028
Rate Rider for Disposition of Group 2 Accounts - effective until December 31, 2018	\$/kW	0.2739
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) - effective until December 31, 2018	\$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0069
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0051

**MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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EB-2017-0035

**STREET LIGHTING SERVICE CLASSIFICATION**

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. 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 Ontario Energy Board, and amendments thereto as approved by 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 Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, or as specified herein.

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

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

**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge (per connection)	\$	1.99
Distribution Volumetric Rate	\$/kW	17.4164
Low Voltage Service Rate	\$/kW	0.0013
Rate Rider for Disposition of Deterral/Variance Accounts Balances (excluding Global Adj.) - effective until December 31, 2018	\$/kWh	1.9284
Rate Rider for Disposition of Deterral/Variance Accounts Balances (excluding Global Adj.) - NON-WMP - effective until December 31, 2018	\$/kWh	(1.8986)
Rate Rider for Disposition of KSA - Power - Global Adjustment - NON-WMP - effective until December 31, 2018	\$/kWh	0.0076
Rate Rider for Disposition of Group 2 Accounts - effective until December 31, 2018	\$	0.05
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) - effective until December 31, 2018	\$/kWh	0.1288
Retail Transmission Rate - Network Service Rate	\$/kW	2.0910
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.5979

**MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0021
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



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EB-2017-0035

**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 Ontario Energy Board, and amendments thereto as approved by 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 Ontario Energy Board, and amendments thereto as approved by 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	\$	10.00
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EB-2017-0035

**ALLOWANCES**

Transformer Allowance for Ownership - per kW of billing demand/month  
Primary Metering Allowance for transformer losses - applied to measured demand and energy

\$/kW	(0.6000)
%	1.00

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EB-2017-0035

**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 Ontario Energy Board, and amendments thereto as approved by 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 Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, or as specified herein.

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**Customer Administration**

Arrears certificate	\$	15.00
Statement of Account	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Income tax letter	\$	15.00
Account history	\$	15.00
Credit check (plus credit agency costs)	\$	25.00
Returned cheque (plus bank charges)	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	15.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

**Non-Payment of Account**

Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	20.00
Collection of account charge - no disconnection - after regular hours	\$	50.00
Disconnect/reconnect charge - at meter during regular hours	\$	25.00
Disconnect/reconnect charge - at meter after hours	\$	50.00
Disconnect/reconnect charge - at meter during regular hours	\$	185.00
Disconnect/reconnect charge - at pole after hours	\$	415.00
Install/remove load control device - during regular hours	\$	25.00
Install/remove load control device - after regular hours	\$	50.00

**Other**

Special meter reads	\$	20.00
Service call - customer-owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Temporary service - installation and removal - overhead - no transformer	\$	500.00
Temporary service - installation and removal - underground - no transformer	\$	300.00
Temporary service - installation and removal - overhead - with transformer	\$	1,000.00
Specific charge for access to the power poles - \$/pole/year	\$	22.35

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EB-2017-0035

**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 Ontario Energy Board, and amendments thereto as approved by 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 Ontario Energy Board, and amendments thereto as approved by 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

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**EB-2017-0035**

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

1.0431  
1.0555

1

## **Appendix C Bill Impacts**

2

## Appendix 2-W

### CHEI DRAFT Bill Impacts

Customer Class: **Residential**

TOU / non-TOU: **TOU**

Consumption ☒ **310** kWh ☐ May 1 - October 31 ☐ November 1 - April 30 (Select this radio button for applications filed after

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 21.87	1	\$ 21.87	\$ 31.99	1	\$ 31.99	\$ 10.12	46.27%
Distribution Volumetric Rate	per kWh	\$ 0.0072	310	\$ 2.23	\$ 0.0046	310	\$ 1.43	-\$ 0.80	-35.93%
<b>Sub-Total A (excluding pass through)</b>				\$ 24.10			\$ 33.42	\$ 9.32	38.66%
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.)	per kWh		310	\$ -	\$ 0.0053	310	\$ 1.64	\$ 1.64	
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.) - NON-WMP	per kWh		310	\$ -	-\$ 0.0052	310	-\$ 1.61	-\$ 1.61	
Rate Rider Calculation for RSVA - Power - Global Adjustment	per kWh		310		\$ 0.0076	0	\$ -	\$ -	
Rate Rider Calculation for Group 2 Accounts	Monthly		310		\$ 0.60	1	\$ 0.60	\$ 0.60	
Rate Rider Calculation for Accounts 1568	per kWh		310	\$ -	\$ 0.0004	310	\$ 0.12	\$ 0.12	
Low Voltage Charges	per kWh	\$ 0.0018	310	\$ 0.56	\$ 0.0032	310	\$ 1.00	\$ 0.44	79.13%
Line Losses on Cost of Power	per kWh	\$ 0.0979	20.553	\$ 2.01	\$ 0.0979	13.361	\$ 1.31	-\$ 0.70	-34.99%
Smart Meter Entity Charge	per kWh	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$ 27.46			\$ 37.27	\$ 9.81	35.72%
RTSR - Network	per kWh	\$ 0.0073	331	\$ 2.42	\$ 0.0075	323	\$ 2.42	-\$ 0.00	-0.13%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0057	331	\$ 1.90	\$ 0.0059	323	\$ 1.90	-\$ 0.00	-0.02%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$ 31.78			\$ 41.59	\$ 9.81	30.86%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0036	331	\$ 1.19	\$ 0.0036	323	\$ 1.16	-\$ 0.03	-2.18%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0021	331	\$ 0.69	\$ 0.0021	323	\$ 0.68	-\$ 0.02	-2.18%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0770	198	\$ 15.28	\$ 0.0770	198	\$ 15.28	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1130	56	\$ 6.31	\$ 0.1130	56	\$ 6.31	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1570	56	\$ 8.76	\$ 0.1570	56	\$ 8.76	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0910	310	\$ 28.21	\$ 0.0910	310	\$ 28.21	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.1060	0	\$ -	\$ 0.1060	0	\$ -	\$ -	
<b>Total Bill on TOU (before Taxes)</b>				\$ 64.26			\$ 74.03	\$ 9.77	15.20%
HST		13%		\$ 8.35	13%		\$ 9.62	\$ 1.27	15.20%
<b>Total Bill (including HST)</b>				\$ 72.61			\$ 83.65	\$ 11.04	15.20%
<b>Total Bill on RPP (before Taxes)</b>				\$ 62.13			\$ 71.89	\$ 9.77	15.72%
HST		13%		\$ 8.08	13%		\$ 9.35	\$ 1.27	15.72%
<b>Total Bill (including HST)</b>				\$ 70.20			\$ 81.24	\$ 11.04	15.72%

Loss Factor (%)

6.63%

4.31%

## Appendix 2-W

### CHEI DRAFT Bill Impacts

Customer Class: **Residential**

TOU / non-TOU: **TOU**

Consumption **500** kWh ☒ May 1 - October 31 ☐ November 1 - April 30 (Select this radio button for applications filed after

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 21.87	1	\$ 21.87	\$ 31.99	1	\$ 31.99	\$ 10.12	46.27%
Stranded Meter Rate Rider	Monthly		1	\$ -		1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh	\$ 0.0072	500	\$ 3.60	\$ 0.0046	500	\$ 2.31	-\$ 1.29	-35.93%
<b>Sub-Total A (excluding pass through)</b>				\$ 25.47			\$ 34.30	\$ 8.83	34.65%
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.)	per kWh		500	\$ -	\$ 0.0053	500	\$ 2.65	\$ 2.65	
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.) - NON-WMP	per kWh		500	\$ -	-\$ 0.0052	500	-\$ 2.60	-\$ 2.60	
Rate Rider Calculation for RSVA - Power - Global Adjustment	per kWh		500		\$ 0.0076	0	\$ -	\$ -	
Rate Rider Calculation for Group 2 Accounts	Monthly		500		\$ 0.60	1	\$ 0.60	\$ 0.60	
	per kWh		1	\$ -		1	\$ -	\$ -	
Rate Rider Calculation for Accounts 1568	per kWh		500	\$ -	\$ 0.0004	500	\$ 0.20	\$ 0.20	
Low Voltage Charges	per kWh	\$ 0.0018	500	\$ 0.90	\$ 0.0032	500	\$ 1.61	\$ 0.71	79.13%
Line Losses on Cost of Power	per kWh	\$ 0.0979	33.15	\$ 3.24	\$ 0.0979	21.55	\$ 2.11	-\$ 1.14	-34.99%
Smart Meter Entity Charge	per kWh	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$ 30.40			\$ 39.66	\$ 9.25	30.43%
RTSR - Network	per kWh	\$ 0.0073	533	\$ 3.90	\$ 0.0075	522	\$ 3.90	-\$ 0.01	-0.13%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0057	533	\$ 3.07	\$ 0.0059	522	\$ 3.06	-\$ 0.00	-0.02%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$ 37.38			\$ 46.62	\$ 9.25	24.74%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0036	533	\$ 1.92	\$ 0.0036	522	\$ 1.88	-\$ 0.04	-2.18%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0021	533	\$ 1.12	\$ 0.0021	522	\$ 1.10	-\$ 0.02	-2.18%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
OESP	per kWh		500	\$ -		500	\$ -	\$ -	
TOU - Off Peak	per kWh	\$ 0.0770	320	\$ 24.64	\$ 0.0770	320	\$ 24.64	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1130	90	\$ 10.17	\$ 0.1130	90	\$ 10.17	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1570	90	\$ 14.13	\$ 0.1570	90	\$ 14.13	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0910	500	\$ 45.50	\$ 0.0910	500	\$ 45.50	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.1060	0	\$ -	\$ 0.1060	0	\$ -	\$ -	
<b>Total Bill on TOU (before Taxes)</b>				\$ 89.60			\$ 98.79	\$ 9.18	10.25%
HST		13%		\$ 11.65	13%		\$ 12.84	\$ 1.19	10.25%
<b>Total Bill (including HST)</b>				\$ 101.25			\$ 111.63	\$ 10.37	10.25%
<b>Total Bill on TOU (including OCEB)</b>				\$ 101.25			\$ 111.63	\$ 10.37	10.25%
<b>Total Bill on RPP (before Taxes)</b>				\$ 86.16			\$ 95.35	\$ 9.18	10.66%
HST		13%		\$ 11.20	13%		\$ 12.39	\$ 1.19	10.66%
<b>Total Bill (including HST)</b>				\$ 97.37			\$ 107.74	\$ 10.37	10.66%
<b>Total Bill on RPP (including OCEB)</b>				\$ 97.37			\$ 107.74	\$ 10.37	10.66%

Loss Factor (%)

6.63%

4.31%



## Appendix 2-W

### CHEI DRAFT Bill Impacts

Customer Class: **Residential**

TOU / non-TOU: **TOU**

Consumption **750** kWh ☒ May 1 - October 31 ☐ November 1 - April 30 (Select this radio button for applications filed after

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 21.87	1	\$ 21.87	\$ 31.99	1	\$ 31.99	\$ 10.12	46.27%
Stranded Meter Rate Rider	Monthly		1	\$ -		1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh	\$ 0.0072	750	\$ 5.40	\$ 0.0046	750	\$ 3.46	-\$ 1.94	-35.93%
<b>Sub-Total A (excluding pass through)</b>				\$ 27.27			\$ 35.45	\$ 8.18	29.99%
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.)	per kWh		750	\$ -	\$ 0.0053	750	\$ 3.98	\$ 3.98	
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.) - NON-WMP	per kWh		750	\$ -	-\$ 0.0052	750	-\$ 3.90	-\$ 3.90	
Rate Rider Calculation for RSVA - Power - Global Adjustment	per kWh		750		\$ 0.0076	0	\$ -	\$ -	
Rate Rider Calculation for Group 2 Accounts	Monthly		750		\$ 0.60	1	\$ 0.60	\$ 0.60	
	per kWh		1	\$ -		1	\$ -	\$ -	
Rate Rider Calculation for Accounts 1568	per kWh		750	\$ -	\$ 0.0004	750	\$ 0.30	\$ 0.30	
Low Voltage Charges	per kWh	\$ 0.0018	750	\$ 1.35	\$ 0.0032	750	\$ 2.42	\$ 1.07	79.13%
Line Losses on Cost of Power	per kWh	\$ 0.0979	49.725	\$ 4.87	\$ 0.0979	32.325	\$ 3.16	-\$ 1.70	-34.99%
Smart Meter Entity Charge	per kWh	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$ 34.28			\$ 42.80	\$ 8.52	24.86%
RTSR - Network	per kWh	\$ 0.0073	800	\$ 5.86	\$ 0.0075	782	\$ 5.85	-\$ 0.01	-0.13%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0057	800	\$ 4.60	\$ 0.0059	782	\$ 4.60	-\$ 0.00	-0.02%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$ 44.73			\$ 53.24	\$ 8.51	19.03%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0036	800	\$ 2.88	\$ 0.0036	782	\$ 2.82	-\$ 0.06	-2.18%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0021	800	\$ 1.68	\$ 0.0021	782	\$ 1.64	-\$ 0.04	-2.18%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
OESP	per kWh		750	\$ -		750	\$ -	\$ -	
TOU - Off Peak	per kWh	\$ 0.0770	480	\$ 36.96	\$ 0.0770	480	\$ 36.96	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1130	135	\$ 15.26	\$ 0.1130	135	\$ 15.26	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1570	135	\$ 21.20	\$ 0.1570	135	\$ 21.20	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0910	600	\$ 54.60	\$ 0.0910	600	\$ 54.60	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.1060	150	\$ 15.90	\$ 0.1060	150	\$ 15.90	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>				\$ 122.95			\$ 131.36	\$ 8.41	6.84%
HST		13%		\$ 15.98	13%		\$ 17.08	\$ 1.09	6.84%
<b>Total Bill (including HST)</b>				\$ 138.93			\$ 148.44	\$ 9.51	6.84%
<b>Total Bill on TOU (including OCEB)</b>				\$ 138.93			\$ 148.44	\$ 9.51	6.84%
<b>Total Bill on RPP (before Taxes)</b>				\$ 120.04			\$ 128.45	\$ 8.41	7.01%
HST		13%		\$ 15.61	13%		\$ 16.70	\$ 1.09	7.01%
<b>Total Bill (including HST)</b>				\$ 135.65			\$ 145.15	\$ 9.51	7.01%
<b>Total Bill on RPP (including OCEB)</b>				\$ 135.65			\$ 145.15	\$ 9.51	7.01%

Loss Factor (%)

6.63%

4.31%

## Appendix 2-W

### CHEI DRAFT Bill Impacts

Customer Class: **Residential**

TOU / non-TOU: **TOU**

Consumption ☒ **1,000 kWh** ☐ May 1 - October 31 ☐ November 1 - April 30 (Select this radio button for applications filed after

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 21.87	1	\$ 21.87	\$ 31.99	1	\$ 31.99	\$ 10.12	46.27%
Stranded Meter Rate Rider	Monthly		1	\$ -		1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh	\$ 0.0072	1000	\$ 7.20	\$ 0.0046	1000	\$ 4.61	-\$ 2.59	-35.93%
<b>Sub-Total A (excluding pass through)</b>				\$ 29.07			\$ 36.60	\$ 7.53	25.91%
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.)	per kWh		1000	\$ -	\$ 0.0053	1000	\$ 5.30	\$ 5.30	
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.) - NON-WMP	per kWh		1000	\$ -	-\$ 0.0052	1000	-\$ 5.20	-\$ 5.20	
Rate Rider Calculation for RSVA - Power - Global Adjustment	per kWh		1000		\$ 0.0076	0	\$ -	\$ -	
Rate Rider Calculation for Group 2 Accounts	Monthly		1000		\$ 0.60	1	\$ 0.60	\$ 0.60	
	per kWh		1	\$ -		1	\$ -	\$ -	
Rate Rider Calculation for Accounts 1568	per kWh		1000	\$ -	\$ 0.0004	1000	\$ 0.40	\$ 0.40	
Low Voltage Charges	per kWh	\$ 0.0018	1000	\$ 1.80	\$ 0.0032	1000	\$ 3.22	\$ 1.42	79.13%
Line Losses on Cost of Power	per kWh	\$ 0.0979	66.3	\$ 6.49	\$ 0.0979	43.1	\$ 4.22	-\$ 2.27	-34.99%
Smart Meter Entity Charge	per kWh	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$ 38.15			\$ 45.94	\$ 7.79	20.41%
RTSR - Network	per kWh	\$ 0.0073	1066	\$ 7.81	\$ 0.0075	1043	\$ 7.80	-\$ 0.01	-0.13%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0057	1066	\$ 6.13	\$ 0.0059	1043	\$ 6.13	-\$ 0.00	-0.02%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$ 52.09			\$ 59.86	\$ 7.77	14.93%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0036	1066	\$ 3.84	\$ 0.0036	1043	\$ 3.76	-\$ 0.08	-2.18%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0021	1066	\$ 2.24	\$ 0.0021	1043	\$ 2.19	-\$ 0.05	-2.18%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
OESP	per kWh		1000	\$ -		1000	\$ -	\$ -	
TOU - Off Peak	per kWh	\$ 0.0770	640	\$ 49.28	\$ 0.0770	640	\$ 49.28	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1130	180	\$ 20.34	\$ 0.1130	180	\$ 20.34	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1570	180	\$ 28.26	\$ 0.1570	180	\$ 28.26	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0910	600	\$ 54.60	\$ 0.0910	600	\$ 54.60	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.1060	400	\$ 42.40	\$ 0.1060	400	\$ 42.40	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>				\$ 156.30			\$ 163.94	\$ 7.64	4.89%
HST		13%		\$ 20.32	13%		\$ 21.31	\$ 0.99	4.89%
<b>Total Bill (including HST)</b>				\$ 176.62			\$ 185.25	\$ 8.64	4.89%
<b>Total Bill on TOU (including OCEB)</b>				\$ 176.62			\$ 185.25	\$ 8.64	4.89%
<b>Total Bill on RPP (before Taxes)</b>				\$ 155.42			\$ 163.06	\$ 7.64	4.92%
HST		13%		\$ 20.20	13%		\$ 21.20	\$ 0.99	4.92%
<b>Total Bill (including HST)</b>				\$ 175.62			\$ 184.26	\$ 8.64	4.92%
<b>Total Bill on RPP (including OCEB)</b>				\$ 175.62			\$ 184.26	\$ 8.64	4.92%

Loss Factor (%)

6.63%

4.31%

## Appendix 2-W

### CHEI DRAFT Bill Impacts

Customer Class: **Residential**

TOU / non-TOU: **TOU**

Consumption **2,000** kWh ☒ May 1 - October 31 ☐ November 1 - April 30 (Select this radio button for applications filed after

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 21.87	1	\$ 21.87	\$ 31.99	1	\$ 31.99	\$ 10.12	46.27%
Stranded Meter Rate Rider	Monthly		1	\$ -		1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh	\$ 0.0072	2000	\$ 14.40	\$ 0.0046	2000	\$ 9.23	-\$ 5.17	-35.93%
<b>Sub-Total A (excluding pass through)</b>				\$ 36.27			\$ 41.22	\$ 4.95	13.64%
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.)	per kWh		2000	\$ -	\$ 0.0053	2000	\$ 10.60	\$ 10.60	
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.) - NON-WMP	per kWh		2000	\$ -	-\$ 0.0052	2000	-\$ 10.40	-\$ 10.40	
Rate Rider Calculation for RSVA - Power - Global Adjustment	per kWh		2000		\$ 0.0076	0	\$ -	\$ -	
Rate Rider Calculation for Group 2 Accounts	Monthly		2000		\$ 0.60	1	\$ 0.60	\$ 0.60	
	per kWh		1	\$ -		1	\$ -	\$ -	
Rate Rider Calculation for Accounts 1568	per kWh		2000	\$ -	\$ 0.0004	2000	\$ 0.80	\$ 0.80	
Low Voltage Charges	per kWh	\$ 0.0018	2000	\$ 3.60	\$ 0.0032	2000	\$ 6.45	\$ 2.85	79.13%
Line Losses on Cost of Power	per kWh	\$ 0.0979	132.6	\$ 12.98	\$ 0.0979	86.2	\$ 8.44	-\$ 4.54	-34.99%
Smart Meter Entity Charge	per kWh	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$ 53.64			\$ 58.49	\$ 4.85	9.05%
RTSR - Network	per kWh	\$ 0.0073	2133	\$ 15.62	\$ 0.0075	2086	\$ 15.60	-\$ 0.02	-0.13%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0057	2133	\$ 12.26	\$ 0.0059	2086	\$ 12.26	-\$ 0.00	-0.02%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$ 81.52			\$ 86.35	\$ 4.83	5.92%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0036	2133	\$ 7.68	\$ 0.0036	2086	\$ 7.51	-\$ 0.17	-2.18%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0021	2133	\$ 4.48	\$ 0.0021	2086	\$ 4.38	-\$ 0.10	-2.18%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
OESP	per kWh		2000	\$ -		2000	\$ -	\$ -	
TOU - Off Peak	per kWh	\$ 0.0770	1280	\$ 98.56	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1130	360	\$ 40.68	\$ 0.1130	360	\$ 40.68	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1570	360	\$ 56.52	\$ 0.1570	360	\$ 56.52	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0910	600	\$ 54.60	\$ 0.0910	600	\$ 54.60	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.1060	1400	\$ 148.40	\$ 0.1060	1400	\$ 148.40	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>				\$ 289.69			\$ 294.25	\$ 4.56	1.58%
HST		13%		\$ 37.66	13%		\$ 38.25	\$ 0.59	1.58%
<b>Total Bill (including HST)</b>				\$ 327.35			\$ 332.50	\$ 5.16	1.58%
<b>Total Bill on TOU (including OCEB)</b>				\$ 327.35			\$ 332.50	\$ 5.16	1.58%
<b>Total Bill on RPP (before Taxes)</b>				\$ 296.93			\$ 301.49	\$ 4.56	1.54%
HST		13%		\$ 38.60	13%		\$ 39.19	\$ 0.59	1.54%
<b>Total Bill (including HST)</b>				\$ 335.53			\$ 340.68	\$ 5.16	1.54%
<b>Total Bill on RPP (including OCEB)</b>				\$ 335.53			\$ 340.68	\$ 5.16	1.54%

Loss Factor (%)

6.63%

4.31%

## Appendix 2-W

### CHEI DRAFT Bill Impacts

Customer Class: **General Service < 50KW**

TOU / non-TOU: **TOU**

Consumption **2,000** kWh ☒ May 1 - October 31 ☐ November 1 - April 30 (Select this radio button for applications filed after Oct 31)

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 17.90	1	\$ 17.90	\$ 21.68	1	\$ 21.68	\$ 3.78	21.12%
Distribution Volumetric Rate	per kWh	\$ 0.0148	2000	\$ 29.60	\$ 0.0112	2000	\$ 22.34	-\$ 7.26	-24.52%
Smart Meter Disposition Rider	per kWh		2000	\$ -		2000	\$ -	\$ -	
LRAM & SSM Rate Rider	per kWh		2000	\$ -		2000	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>				\$ 47.50			\$ 44.02	-\$ 3.48	-7.32%
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.)	per kWh		2000	\$ -	\$ 0.0053	2000	\$ 10.60	\$ 10.60	
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.) - NON-WMP	per kWh		2000	\$ -	-\$ 0.0052	2000	-\$ 10.40	-\$ 10.40	
Rate Rider Calculation for RSVA - Power - Global Adjustment			2000		\$ 0.0076	0	\$ -	\$ -	
Rate Rider Calculation for Group 2 Accounts	per kWh		2000	\$ -	\$ 0.6994	1	\$ 0.70	\$ 0.70	
Rate Rider Calculation for Accounts 1568	per kWh	\$ 0.0005	2000	\$ 1.00	\$ 0.0004	2000	\$ 0.80	-\$ 0.20	-20.00%
Low Voltage Charges	per kWh	\$ 0.0016	2000	\$ 3.20	\$ 0.0028	2000	\$ 5.60	\$ 2.40	74.91%
Line Losses on Cost of Power	per kWh	\$ 0.0979	132.6	\$ 12.98	\$ 0.0979	86.2	\$ 8.44	-\$ 4.54	-34.99%
Smart Meter Entity Charge	per kWh	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$ 65.47			\$ 60.55	-\$ 4.92	-7.52%
RTSR - Network	per kWh	\$ 0.0068	2133	\$ 14.47	\$ 0.0069	2086	\$ 14.45	-\$ 0.02	-0.13%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0050	2133	\$ 10.64	\$ 0.0051	2086	\$ 10.64	-\$ 0.00	-0.02%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$ 90.58			\$ 85.64	-\$ 4.95	-5.46%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0036	2133	\$ 7.68	\$ 0.0036	2086	\$ 7.51	-\$ 0.17	-2.18%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0021	2133	\$ 4.48	\$ 0.0021	2086	\$ 4.38	-\$ 0.10	-2.18%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
OESP	per kWh		2000	\$ -		2000	\$ -	\$ -	
TOU - Off Peak	per kWh	\$ 0.0770	1280	\$ 98.56	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1130	360	\$ 40.68	\$ 0.1130	360	\$ 40.68	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1570	360	\$ 56.52	\$ 0.1570	360	\$ 56.52	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0910	600	\$ 54.60	\$ 0.0910	600	\$ 54.60	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.1060	1400	\$ 148.40	\$ 0.1060	1400	\$ 148.40	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>				\$ 298.75			\$ 293.54	-\$ 5.21	-1.74%
HST		13%		\$ 38.84	13%		\$ 38.16	-\$ 0.68	-1.74%
<b>Total Bill (including HST)</b>				\$ 337.59			\$ 331.70	-\$ 5.89	-1.74%
<b>Total Bill on TOU (including OCEB)</b>				\$ 337.59			\$ 331.70	-\$ 5.89	-1.74%
<b>Total Bill on RPP (before Taxes)</b>				\$ 305.99			\$ 300.78	-\$ 5.21	-1.70%
HST		13%		\$ 39.78	13%		\$ 39.10	-\$ 0.68	-1.70%
<b>Total Bill (including HST)</b>				\$ 345.77			\$ 339.88	-\$ 5.89	-1.70%
<b>Total Bill on RPP (including OCEB)</b>				\$ 345.77			\$ 339.88	-\$ 5.89	-1.70%

Loss Factor (%)

6.63%

4.31%

## Appendix 2-W

### CHEI DRAFT Bill Impacts

Customer Class: **General Service 50kW to 2,999kW**

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

Demand **80**  
Consumption **33,000**

kW ☒ May 1 - October 31

☐ November 1 - April 30 (Select this radio button for applications filed after Oct 31)

		Current Board-Approved			Proposed			Impact	
Charge Unit		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 199.45	1	\$ 199.45	\$ 199.45	1	\$ 199.45	\$ -	0.00%
Smart Meter Rate Adder			1	\$ -		1	\$ -	\$ -	
Stranded Meter Rate Rider	Monthly		1	\$ -		1	\$ -	\$ -	
Smart Meter Disposition Rider			1	\$ -		1	\$ -	\$ -	
Distribution Volumetric Rate	per kW	\$ 3.6957	80	\$ 295.66	\$ 3.9545	80	\$ 316.36	\$ 20.71	7.00%
Smart Meter Disposition Rider	per kW		80	\$ -		80	\$ -	\$ -	
LRAM & SSM Rate Rider	per kW		80	\$ -		80	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>				\$ 495.11			\$ 515.81	\$ 20.71	4.18%
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.)	per kW		80	\$ -	\$ 1.5251	80	\$ 122.01	\$ 122.01	
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.) - NON-WMP	per kW		80	\$ -	-\$ 1.5016	80	-\$ 120.13	-\$ 120.13	
Rate Rider Calculation for RSVA - Power - Global Adjustment	per kWh		80		\$ 0.0076	80	\$ 0.61	\$ 0.61	
Rate Rider Calculation for Group 2 Accounts	per kWh		80		\$ 23.6652	1	\$ 23.67	\$ 23.67	
Rate Rider Calculation for Accounts 1568	per kW	\$ 0.1954	80	\$ 15.63	\$ 0.1019	80	\$ 8.15	-\$ 7.48	-47.85%
Low Voltage Charges	per kW	\$ 0.5928	80	\$ 47.42	\$ 0.0049	80	\$ 0.39	-\$ 47.03	-99.17%
Line Losses on Cost of Power	per kW	\$ 0.1060	2,187.90	\$ 231.92	\$ 0.0979	1422.3	\$ 139.21	-\$ 92.70	-39.97%
Smart Meter Entity Charge	per kW		1	\$ -		1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$ 790.08			\$ 689.72	-\$ 100.35	-12.70%
RTSR - Network	per kW	\$ 2.7157	80	\$ 217.26	\$ 2.7724	80	\$ 221.79	\$ 4.54	2.09%
RTSR - Line and Transformation Connection	per kW	\$ 2.0225	80	\$ 161.80	\$ 2.0670	80	\$ 165.36	\$ 3.56	2.20%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$ 1,169.14			\$ 1,076.88	-\$ 92.26	-7.89%
Wholesale Market Service Charge (WMSVC)	per kWh	\$ 0.0036	35,188	\$ 126.68	\$ 0.0036	35,188	\$ 126.68	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0021	35,188	\$ 73.89	\$ 0.0021	35,188	\$ 73.89	\$ -	0.00%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
OESP	per kWh		35188	\$ -		35188	\$ -	\$ -	
TOU - Off Peak	per kWh	\$ 0.0770	22,520	\$ 1,734.06	\$ 0.0770	22,520	\$ 1,734.06	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1130	6,334	\$ 715.72	\$ 0.1130	6,334	\$ 715.72	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1570	6,334	\$ 994.41	\$ 0.1570	6,334	\$ 994.41	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0910	600	\$ 54.60	\$ 0.0910	600	\$ 54.60	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.1060	32,400	\$ 3,434.40	\$ 0.1060	32,400	\$ 3,434.40	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>				\$ 4,814.15			\$ 4,721.89	-\$ 92.26	-1.92%
HST	13%			\$ 625.84	13%		\$ 613.85	-\$ 11.99	-1.92%
<b>Total Bill (including HST)</b>				\$ 5,439.99			\$ 5,335.74	-\$ 104.25	-1.92%
<b>Total Bill on TOU (including OCEB)</b>				\$ 5,439.99			\$ 5,335.74	-\$ 104.25	-1.92%
<b>Total Bill on RPP (before Taxes)</b>				\$ 4,858.96			\$ 4,766.70	-\$ 92.26	-1.90%
HST	13%			\$ 631.66	13%		\$ 619.67	-\$ 11.99	-1.90%
<b>Total Bill (including HST)</b>				\$ 5,490.62			\$ 5,386.37	-\$ 104.25	-1.90%
<b>Total Bill on RPP (including OCEB)</b>				\$ 5,490.62			\$ 5,386.37	-\$ 104.25	-1.90%

Loss Factor (%)

6.63%

4.31%

## Appendix 2-W

### CWH DRAFT Bill Impacts

Customer Class: **USL**

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

Consumption ☒ **300** kW ☒ May 1 - October 31 ☐ November 1 - April 30 (Select this radio button for applications filed after Oct 3

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 21.16	1	\$ 21.16	\$ 21.16	1	\$ 21.16	\$ -	0.00%
Distribution Volumetric Rate	per kWh	\$ 0.0055	300	\$ 1.65	\$ 0.0174	300	\$ 5.23	\$ 3.58	216.93%
<b>Sub-Total A (excluding pass through)</b>				\$ 22.81			\$ 26.39	\$ 3.58	15.69%
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.)	per kWh		300	\$ -	\$ -	300	\$ -	\$ -	
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.) - NON-WMP	per kWh		300	\$ -	\$ -	300	\$ -	\$ -	
Rate Rider Calculation for RSVA - Power - Global Adjustment	per kWh		300	\$ -	\$ -	300	\$ -	\$ -	
Rate Rider Calculation for Group 2 Accounts	per kWh		300	\$ -	\$ 0.2739	1	\$ 0.27	\$ 0.27	
Rate Rider Calculation for Accounts 1568	per kWh	\$ 0.0005	300	\$ 0.15	\$ 0.0004	300	\$ 0.12	\$ -0.03	-20.00%
Low Voltage Charges	per kWh	\$ 0.0016	300	\$ 0.48	\$ 0.0028	300	\$ 0.84	\$ 0.36	74.91%
Line Losses on Cost of Power	per kWh	\$ 0.0910	19.89	\$ 1.81	\$ 0.0979	12.93	\$ 1.27	\$ -0.54	-30.08%
Smart Meter Entity Charge	per kWh		1	\$ -		1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$ 25.25			\$ 28.89	\$ 3.64	14.41%
RTSR - Network	per kWh	\$ 0.0068	320	\$ 2.17	\$ 0.0069	313	\$ 2.17	\$ -0.00	-0.13%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0050	320	\$ 1.60	\$ 0.0051	313	\$ 1.60	\$ -0.00	-0.02%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$ 29.02			\$ 32.65	\$ 3.64	12.53%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0036	320	\$ 1.15	\$ 0.0036	313	\$ 1.13	\$ -0.03	-2.18%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0021	320	\$ 0.67	\$ 0.0021	313	\$ 0.66	\$ -0.01	-2.18%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
OESP	per kWh		300	\$ -		300	\$ -	\$ -	
TOU - Off Peak	per kWh	\$ 0.0770	192	\$ 14.78	\$ 0.0770	192	\$ 14.78	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1130	54	\$ 6.10	\$ 0.1130	54	\$ 6.10	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1570	54	\$ 8.48	\$ 0.1570	54	\$ 8.48	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0910	300	\$ 27.30	\$ 0.0910	300	\$ 27.30	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.1060	0	\$ -	\$ 0.1060	0	\$ -	\$ -	
<b>Total Bill on TOU (before Taxes)</b>				\$ 60.45			\$ 64.05	\$ 3.60	5.95%
HST		13%		\$ 7.86	13%		\$ 8.33	\$ 0.47	5.95%
<b>Total Bill (including HST)</b>				\$ 68.31			\$ 72.38	\$ 4.06	5.95%
<b>Total Bill on TOU (including OCEB)</b>				\$ 68.31			\$ 72.38	\$ 4.06	5.95%
<b>Total Bill on RPP (before Taxes)</b>				\$ 58.39			\$ 61.99	\$ 3.60	6.16%
HST		13%		\$ 7.59	13%		\$ 8.06	\$ 0.47	6.16%
<b>Total Bill (including HST)</b>				\$ 65.98			\$ 70.04	\$ 4.06	6.16%
<b>Total Bill on RPP (including OCEB)</b>				\$ 65.98			\$ 70.04	\$ 4.06	6.16%

Loss Factor (%)

6.63%

4.31%

## Appendix 2-W

### CWH DRAFT Bill Impacts

Customer Class: **StreetLight**

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

Demand **48** kW  
Consumption **20,000** kWh

☒ May 1 - October 31

☐ November 1 - April 30 (Select this radio button for applications filed after October 1, 2019)

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 1.99	2300	\$ 4,577.00	\$ 1.99	2300	\$ 4,577.00	\$ -	0.00%
Distribution Volumetric Rate	per kW	\$ 8.0867	48.1	\$ 388.97	\$ 17.4164	48.1	\$ 837.73	\$ 448.76	115.37%
<b>Sub-Total A (excluding pass through)</b>				\$ 4,965.97			\$ 5,414.73	\$ 448.76	9.04%
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.)	per kW		48.1	\$ -	\$ 1.9284	48.1	\$ 92.75	\$ 92.75	
Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.) - NON-WMP	per kW		48.1	\$ -	-\$ 1.8986	48.1	-\$ 91.32	-\$ 91.32	
Rate Rider Calculation for RSVA - Power - Global Adjustment	per kW		48.1		\$ 0.0076	48.1	\$ 0.37	\$ 0.37	
Rate Rider Calculation for Group 2 Accounts	per kW	\$ -	48.1		\$ 0.0517	1	\$ 0.05	\$ 0.05	
Rate Rider Calculation for Accounts 1568	per kW		20000	\$ -		20000	\$ -	\$ -	
Low Voltage Charges	per kW	\$ 0.1872	48.1	\$ 9.00	\$ 0.1288	48.1	\$ 6.20	-\$ 2.81	-31.20%
Line Losses on Cost of Power	per kW	\$ 0.4583	48.1	\$ 22.04	\$ 0.0013	48.1	\$ 0.06	-\$ 21.98	-99.72%
Smart Meter Entity Charge	per kW	\$ 0.1060	1326	\$ 140.56	\$ 0.0979	862	\$ 84.37	-\$ 56.18	-39.97%
	per kW		1	\$ -		1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$ 5,137.57			\$ 5,507.21	\$ 369.63	7.19%
RTSR - Network	per kW	\$ 2.0482	48	\$ 98.52	\$ 2.0910	48	\$ 100.58	\$ 2.06	2.09%
RTSR - Line and Transformation Connection	per kW	\$ 1.5636	48	\$ 75.21	\$ 1.5979	48	\$ 76.86	\$ 1.65	2.20%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$ 5,311.30			\$ 5,684.64	\$ 373.34	7.03%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0036	20000	\$ 72.00	\$ 0.0036	20000	\$ 72.00	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0021	20000	\$ 42.00	\$ 0.0021	20000	\$ 42.00	\$ -	0.00%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
OESP	per kWh		20000	\$ -		20000	\$ -	\$ -	
TOU - Off Peak	per kWh	\$ 0.0770	12800	\$ 985.60	\$ 0.0770	12800	\$ 985.60	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1130	3600	\$ 406.80	\$ 0.1130	3600	\$ 406.80	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1570	3600	\$ 565.20	\$ 0.1570	3600	\$ 565.20	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0910	600	\$ 54.60	\$ 0.0910	600	\$ 54.60	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.1060	19400	\$ 2,056.40	\$ 0.1060	19400	\$ 2,056.40	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>				\$ 7,383.15			\$ 7,756.49	\$ 373.34	5.06%
HST		13%		\$ 959.81	13%		\$ 1,008.34	\$ 48.53	5.06%
<b>Total Bill (including HST)</b>				\$ 8,342.96			\$ 8,764.84	\$ 421.88	5.06%
<b>Total Bill on TOU (including OCEB)</b>				\$ 8,342.96			\$ 8,764.84	\$ 421.88	5.06%
<b>Total Bill on RPP (before Taxes)</b>				\$ 7,536.55			\$ 7,909.89	\$ 373.34	4.95%
HST		13%		\$ 979.75	13%		\$ 1,028.29	\$ 48.53	4.95%
<b>Total Bill (including HST)</b>				\$ 8,516.30			\$ 8,938.18	\$ 421.88	4.95%
<b>Total Bill on RPP (including OCEB)</b>				\$ 8,516.30			\$ 8,938.18	\$ 421.88	4.95%

Loss Factor (%)

6.63%

4.31%

**Appendix C PDF of RTSR**





## 2017 RTSR Workform for Electricity Distributors

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

Utility Name	Cooperative Hydro Embrun Inc.
Service Territory	EMBUN ON
Assigned EB Number	EB-2017-0035
Name and Title	BENOIT LAMARCHE
Phone Number	613.443.510
Email Address	benoit@hydroembrun.ca
Date	May 1 2017
Last COS Re-based Year	2014

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



# 2017 RTSR Workform for Electricity Distributors

[1. Info](#)

[2. Table of Contents](#)

[3. Rate Classes](#)

[4. RRR Data](#)

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

[6. Historical Wholesale](#)

[7. Current Wholesale](#)

[8. Forecast Wholesale](#)

[9. RTSR Rates to Forecast](#)

## 2017 RTSR Workform for Electricity Distributors

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

[illegible]



## 2017 RTSR Workform for Electricity Distributors

Rate Class	Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor <i>eg: (1.0325)</i>	Loss Adjusted Billed kWh
Residential	RTSR - Network	kWh	0.0073	19,268,403	0	1.0663	20,545,898
Residential	RTSR - Connection	kWh	0.0057	19,268,403	0	1.0663	20,545,898
General Service Less Than 50 kW	RTSR - Network	kWh	0.0068	4,547,781	0	1.0663	4,849,299
General Service Less Than 50 kW	RTSR - Connection	kWh	0.0050	4,547,781	0	1.0663	4,849,299
General Service 50 to 4,999 kW	RTSR - Network	kW	2.7157	4,242,389	12,058		
General Service 50 to 4,999 kW	RTSR - Connection	kW	2.0225	4,242,389	12,058		
Unmetered Scattered Load	RTSR - Network	kWh	0.0068	93,284	0	1.0663	99,469
Unmetered Scattered Load	RTSR - Connection	kWh	0.0050	93,284	0	1.0663	99,469
Street Lighting	RTSR - Network	kW	2.0482	321,015	917		
Street Lighting	RTSR - Connection	kW	1.5636	321,015	917		



# 2017 RTSR Workform for Electricity Distributors

Uniform Transmission Rates		Unit	2015		2016	2017
Rate Description			Rate		Rate	Rate
Network Service Rate	kW	\$	3.78		\$ 3.66	\$ 3.66
Line Connection Service Rate	kW	\$	0.86		\$ 0.87	\$ 0.87
Transformation Connection Service Rate	kW	\$	2.00		\$ 2.02	\$ 2.02

  

Hydro One Sub-Transmission Rates		Unit	2015 - 2016		2016	2017
Rate Description			Rate		Rate	Rate
			Jan - April 2015	May 2015 - Jan 2016	Feb - Dec 2016	
Network Service Rate	kW	\$	3.23	\$ 3.4121	\$ 3.3396	\$ 3.3396
Line Connection Service Rate	kW	\$	0.65	\$ 0.7879	\$ 0.7791	\$ 0.7791
Transformation Connection Service Rate	kW	\$	1.62	\$ 1.8018	\$ 1.7713	\$ 1.7713
Both Line and Transformation Connection Service Rate	kW	\$	2.27	\$ 2.5897	\$ 2.5504	\$ 2.5504

  

If needed, add extra host here. (I)		Unit	2015		2016	2017
Rate Description			Rate		Rate	Rate
Network Service Rate	kW					
Line Connection Service Rate	kW					
Transformation Connection Service Rate	kW					
Both Line and Transformation Connection Service Rate	kW	\$	-		\$ -	\$ -

  

If needed, add extra host here. (II)		Unit	Effective January 1, 2014		Effective January 1, 2015	Effective January 1, 2016
Rate Description			Rate		Rate	Rate
Network Service Rate	kW					
Line Connection Service Rate	kW					
Transformation Connection Service Rate	kW					
Both Line and Transformation Connection Service Rate	kW	\$	-		\$ -	\$ -

  

Low Voltage Switchgear Credit (if applicable, enter as a negative value)			Historical 2015	Current 2016	Forecast 2017
	\$				



# 2017 RTSR Workform for Electricity Distributors

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

IESO	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January		\$0.00			\$0.00			\$0.00		\$ -
February		\$0.00			\$0.00			\$0.00		\$ -
March		\$0.00			\$0.00			\$0.00		\$ -
April		\$0.00			\$0.00			\$0.00		\$ -
May		\$0.00			\$0.00			\$0.00		\$ -
June		\$0.00			\$0.00			\$0.00		\$ -
July		\$0.00			\$0.00			\$0.00		\$ -
August		\$0.00			\$0.00			\$0.00		\$ -
September		\$0.00			\$0.00			\$0.00		\$ -
October		\$0.00			\$0.00			\$0.00		\$ -
November		\$0.00			\$0.00			\$0.00		\$ -
December		\$0.00			\$0.00			\$0.00		\$ -
<b>Total</b>	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	5,972	\$3.41	\$ 20,377	5,972	\$0.79	\$ 4,705	5,972	\$1.80	\$ 10,760	\$ 15,465
February	5,758	\$3.34	\$ 19,230	6,236	\$0.78	\$ 4,858	6,236	\$1.77	\$ 11,046	\$ 15,904
March	5,247	\$3.34	\$ 17,522	5,310	\$0.78	\$ 4,137	5,310	\$1.77	\$ 9,406	\$ 13,543
April	4,481	\$3.34	\$ 14,966	4,588	\$0.78	\$ 3,575	4,588	\$1.77	\$ 8,127	\$ 11,702
May	5,665	\$3.34	\$ 18,917	5,745	\$0.78	\$ 4,476	5,745	\$1.77	\$ 10,176	\$ 14,651
June	6,162	\$3.34	\$ 20,580	6,162	\$0.78	\$ 4,801	6,162	\$1.77	\$ 10,916	\$ 15,717
July	6,056	\$3.34	\$ 20,223	6,056	\$0.78	\$ 4,718	6,056	\$1.77	\$ 10,726	\$ 15,444
August	6,447	\$3.34	\$ 21,529	6,447	\$0.78	\$ 5,022	6,447	\$1.77	\$ 11,419	\$ 16,441
September	5,554	\$3.34	\$ 18,549	5,554	\$0.78	\$ 4,327	5,554	\$1.77	\$ 9,838	\$ 14,165
October	4,478	\$3.34	\$ 14,955	4,478	\$0.78	\$ 3,489	4,478	\$1.77	\$ 7,932	\$ 11,421
November	5,006	\$3.34	\$ 16,719	5,006	\$0.78	\$ 3,900	5,006	\$1.77	\$ 8,867	\$ 12,768
December	6,025	\$3.34	\$ 20,122	6,025	\$0.78	\$ 4,694	6,025	\$1.77	\$ 10,673	\$ 15,367
<b>Total</b>	66,851	\$ 3.35	\$ 223,689	67,580	\$ 0.78	\$ 52,704	67,580	\$ 1.77	\$ 119,885	\$ 172,589

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



# 2017 RTSR Workform for Electricity Distributors

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

Add Extra Host Here (II) (if needed)		Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount	
January		\$0.00			\$0.00			\$0.00		\$ -	
February		\$0.00			\$0.00			\$0.00		\$ -	
March		\$0.00			\$0.00			\$0.00		\$ -	
April		\$0.00			\$0.00			\$0.00		\$ -	
May		\$0.00			\$0.00			\$0.00		\$ -	
June		\$0.00			\$0.00			\$0.00		\$ -	
July		\$0.00			\$0.00			\$0.00		\$ -	
August		\$0.00			\$0.00			\$0.00		\$ -	
September		\$0.00			\$0.00			\$0.00		\$ -	
October		\$0.00			\$0.00			\$0.00		\$ -	
November		\$0.00			\$0.00			\$0.00		\$ -	
December		\$0.00			\$0.00			\$0.00		\$ -	
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -	
Total	Network			Line Connection			Transformation Connection			Total Line	
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount	
January	5,972	\$3.41	\$ 20,377	5,972	\$0.79	\$ 4,705	5,972	\$1.80	\$ 10,760	\$ 15,465	
February	5,758	\$3.34	\$ 19,230	6,236	\$0.78	\$ 4,858	6,236	\$1.77	\$ 11,046	\$ 15,904	
March	5,247	\$3.34	\$ 17,522	5,310	\$0.78	\$ 4,137	5,310	\$1.77	\$ 9,406	\$ 13,543	
April	4,481	\$3.34	\$ 14,966	4,588	\$0.78	\$ 3,575	4,588	\$1.77	\$ 8,127	\$ 11,702	
May	5,665	\$3.34	\$ 18,917	5,745	\$0.78	\$ 4,476	5,745	\$1.77	\$ 10,176	\$ 14,651	
June	6,162	\$3.34	\$ 20,580	6,162	\$0.78	\$ 4,801	6,162	\$1.77	\$ 10,916	\$ 15,717	
July	6,056	\$3.34	\$ 20,223	6,056	\$0.78	\$ 4,718	6,056	\$1.77	\$ 10,726	\$ 15,444	
August	6,447	\$3.34	\$ 21,529	6,447	\$0.78	\$ 5,022	6,447	\$1.77	\$ 11,419	\$ 16,441	
September	5,554	\$3.34	\$ 18,549	5,554	\$0.78	\$ 4,327	5,554	\$1.77	\$ 9,838	\$ 14,165	
October	4,478	\$3.34	\$ 14,955	4,478	\$0.78	\$ 3,489	4,478	\$1.77	\$ 7,932	\$ 11,421	
November	5,006	\$3.34	\$ 16,719	5,006	\$0.78	\$ 3,900	5,006	\$1.77	\$ 8,867	\$ 12,768	
December	6,025	\$3.34	\$ 20,122	6,025	\$0.78	\$ 4,694	6,025	\$1.77	\$ 10,673	\$ 15,367	
Total	66,851	\$ 3.35	\$ 223,689	67,580	\$ 0.78	\$ 52,704	67,580	\$ 1.77	\$ 119,885	\$ 172,589	



# 2017 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when current 2016 Uniform Transmission Rates are applied against historical 2015 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
February	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
March	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
April	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
May	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
June	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
July	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
August	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
September	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
October	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
November	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
December	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
<b>Total</b>	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	5,972	\$ 3.4121	\$ 20,377	5,972	\$ 0.7879	\$ 4,705	5,972	\$ 1.8018	\$ 10,760	\$ 15,466
February	5,758	\$ 3.3396	\$ 19,230	6,236	\$ 0.7791	\$ 4,858	6,236	\$ 1.7713	\$ 11,046	\$ 15,904
March	5,247	\$ 3.3396	\$ 17,522	5,310	\$ 0.7791	\$ 4,137	5,310	\$ 1.7713	\$ 9,406	\$ 13,543
April	4,481	\$ 3.3396	\$ 14,966	4,588	\$ 0.7791	\$ 3,575	4,588	\$ 1.7713	\$ 8,127	\$ 11,702
May	5,665	\$ 3.3396	\$ 18,917	5,745	\$ 0.7791	\$ 4,476	5,745	\$ 1.7713	\$ 10,176	\$ 14,651
June	6,162	\$ 3.3396	\$ 20,580	6,162	\$ 0.7791	\$ 4,801	6,162	\$ 1.7713	\$ 10,916	\$ 15,717
July	6,056	\$ 3.3396	\$ 20,223	6,056	\$ 0.7791	\$ 4,718	6,056	\$ 1.7713	\$ 10,726	\$ 15,444
August	6,447	\$ 3.3396	\$ 21,529	6,447	\$ 0.7791	\$ 5,022	6,447	\$ 1.7713	\$ 11,419	\$ 16,441
September	5,554	\$ 3.3396	\$ 18,549	5,554	\$ 0.7791	\$ 4,327	5,554	\$ 1.7713	\$ 9,838	\$ 14,165
October	4,478	\$ 3.3396	\$ 14,955	4,478	\$ 0.7791	\$ 3,489	4,478	\$ 1.7713	\$ 7,932	\$ 11,421
November	5,006	\$ 3.3396	\$ 16,719	5,006	\$ 0.7791	\$ 3,900	5,006	\$ 1.7713	\$ 8,867	\$ 12,768
December	6,025	\$ 3.3396	\$ 20,122	6,025	\$ 0.7791	\$ 4,694	6,025	\$ 1.7713	\$ 10,673	\$ 15,367
<b>Total</b>	66,851	\$ 3.35	\$ 223,689	67,580	\$ 0.78	\$ 52,704	67,580	\$ 1.77	\$ 119,886	\$ 172,590

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

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





# 2017 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when current 2016 Uniform Transmission Rates are applied against historical 2015 transmission units.

Total	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	5,972	\$3.41	\$ 20,377	5,972	\$0.79	\$ 4,705	5,972	\$1.80	\$ 10,760	\$ 15,466
February	5,758	\$3.34	\$ 19,230	6,236	\$0.78	\$ 4,858	6,236	\$1.77	\$ 11,046	\$ 15,904
March	5,247	\$3.34	\$ 17,522	5,310	\$0.78	\$ 4,137	5,310	\$1.77	\$ 9,406	\$ 13,543
April	4,481	\$3.34	\$ 14,966	4,588	\$0.78	\$ 3,575	4,588	\$1.77	\$ 8,127	\$ 11,702
May	5,665	\$3.34	\$ 18,917	5,745	\$0.78	\$ 4,476	5,745	\$1.77	\$ 10,176	\$ 14,651
June	6,162	\$3.34	\$ 20,580	6,162	\$0.78	\$ 4,801	6,162	\$1.77	\$ 10,916	\$ 15,717
July	6,056	\$3.34	\$ 20,223	6,056	\$0.78	\$ 4,718	6,056	\$1.77	\$ 10,726	\$ 15,444
August	6,447	\$3.34	\$ 21,529	6,447	\$0.78	\$ 5,022	6,447	\$1.77	\$ 11,419	\$ 16,441
September	5,554	\$3.34	\$ 18,549	5,554	\$0.78	\$ 4,327	5,554	\$1.77	\$ 9,838	\$ 14,165
October	4,478	\$3.34	\$ 14,955	4,478	\$0.78	\$ 3,489	4,478	\$1.77	\$ 7,932	\$ 11,421
November	5,006	\$3.34	\$ 16,719	5,006	\$0.78	\$ 3,900	5,006	\$1.77	\$ 8,867	\$ 12,768
December	6,025	\$3.34	\$ 20,122	6,025	\$0.78	\$ 4,694	6,025	\$1.77	\$ 10,673	\$ 15,367
<b>Total</b>	<b>66,851</b>	<b>\$ 3.35</b>	<b>\$ 223,689</b>	<b>67,580</b>	<b>\$ 0.78</b>	<b>\$ 52,704</b>	<b>67,580</b>	<b>\$ 1.77</b>	<b>\$ 119,886</b>	<b>\$ 172,590</b>



# 2017 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when forecasted 2017 Uniform Transmission Rates are applied against historical 2015 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
February	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
March	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
April	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
May	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
June	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
July	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
August	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
September	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
October	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
November	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
December	-	\$ 3.6600	\$ -	-	\$ 0.8700	\$ -	-	\$ 2.0200	\$ -	\$ -
<b>Total</b>	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	5,972	\$ 3.3396	\$ 19,944	5,972	\$ 0.7791	\$ 4,653	5,972	\$ 1.7713	\$ 10,578	\$ 15,231
February	5,758	\$ 3.3396	\$ 19,230	6,236	\$ 0.7791	\$ 4,858	6,236	\$ 1.7713	\$ 11,046	\$ 15,904
March	5,247	\$ 3.3396	\$ 17,522	5,310	\$ 0.7791	\$ 4,137	5,310	\$ 1.7713	\$ 9,406	\$ 13,543
April	4,481	\$ 3.3396	\$ 14,966	4,588	\$ 0.7791	\$ 3,575	4,588	\$ 1.7713	\$ 8,127	\$ 11,702
May	5,665	\$ 3.3396	\$ 18,917	5,745	\$ 0.7791	\$ 4,476	5,745	\$ 1.7713	\$ 10,176	\$ 14,651
June	6,162	\$ 3.3396	\$ 20,580	6,162	\$ 0.7791	\$ 4,801	6,162	\$ 1.7713	\$ 10,916	\$ 15,717
July	6,056	\$ 3.3396	\$ 20,223	6,056	\$ 0.7791	\$ 4,718	6,056	\$ 1.7713	\$ 10,726	\$ 15,444
August	6,447	\$ 3.3396	\$ 21,529	6,447	\$ 0.7791	\$ 5,022	6,447	\$ 1.7713	\$ 11,419	\$ 16,441
September	5,554	\$ 3.3396	\$ 18,549	5,554	\$ 0.7791	\$ 4,327	5,554	\$ 1.7713	\$ 9,838	\$ 14,165
October	4,478	\$ 3.3396	\$ 14,955	4,478	\$ 0.7791	\$ 3,489	4,478	\$ 1.7713	\$ 7,932	\$ 11,421
November	5,006	\$ 3.3396	\$ 16,719	5,006	\$ 0.7791	\$ 3,900	5,006	\$ 1.7713	\$ 8,867	\$ 12,768
December	6,025	\$ 3.3396	\$ 20,122	6,025	\$ 0.7791	\$ 4,694	6,025	\$ 1.7713	\$ 10,673	\$ 15,367
<b>Total</b>	66,851	\$ 3.34	\$ 223,256	67,580	\$ 0.78	\$ 52,651	67,580	\$ 1.77	\$ 119,704	\$ 172,355

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

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



# 2017 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when forecasted 2017 Uniform Transmission Rates are applied against historical 2015 transmission units.

Total	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	5,972	\$ 3.34	19,944	5,972	\$ 0.78	4,653	5,972	\$ 1.77	10,578	\$ 15,231
February	5,758	\$ 3.34	19,230	6,236	\$ 0.78	4,858	6,236	\$ 1.77	11,046	\$ 15,904
March	5,247	\$ 3.34	17,522	5,310	\$ 0.78	4,137	5,310	\$ 1.77	9,406	\$ 13,543
April	4,481	\$ 3.34	14,966	4,588	\$ 0.78	3,575	4,588	\$ 1.77	8,127	\$ 11,702
May	5,665	\$ 3.34	18,917	5,745	\$ 0.78	4,476	5,745	\$ 1.77	10,176	\$ 14,651
June	6,162	\$ 3.34	20,580	6,162	\$ 0.78	4,801	6,162	\$ 1.77	10,916	\$ 15,717
July	6,056	\$ 3.34	20,223	6,056	\$ 0.78	4,718	6,056	\$ 1.77	10,726	\$ 15,444
August	6,447	\$ 3.34	21,529	6,447	\$ 0.78	5,022	6,447	\$ 1.77	11,419	\$ 16,441
September	5,554	\$ 3.34	18,549	5,554	\$ 0.78	4,327	5,554	\$ 1.77	9,838	\$ 14,165
October	4,478	\$ 3.34	14,955	4,478	\$ 0.78	3,489	4,478	\$ 1.77	7,932	\$ 11,421
November	5,006	\$ 3.34	16,719	5,006	\$ 0.78	3,900	5,006	\$ 1.77	8,867	\$ 12,768
December	6,025	\$ 3.34	20,122	6,025	\$ 0.78	4,694	6,025	\$ 1.77	10,673	\$ 15,367
<b>Total</b>	<b>66,851</b>	<b>\$ 3.34</b>	<b>\$ 223,256</b>	<b>67,580</b>	<b>\$ 0.78</b>	<b>\$ 52,651</b>	<b>67,580</b>	<b>\$ 1.77</b>	<b>\$ 119,704</b>	<b>\$ 172,355</b>



# 2017 RTSR Workform for Electricity Distributors

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

Rate Class	Rate Description	Unit	Current RTSR- Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
Residential	RTSR - Network	kWh	0.0073	20,545,898	0	150,484	68.8%	153,924	0.0075
General Service Less Than 50 kW	RTSR - Network	kWh	0.0068	4,849,299	0	32,906	15.0%	33,658	0.0069
General Service 50 to 4,999 kW	RTSR - Network	kW	2.7157		12,058	32,746	15.0%	33,495	2.7778
Unmetered Scattered Load	RTSR - Network	kWh	0.0068	99,469	0	675	0.3%	690	0.0069
Street Lighting	RTSR - Network	kW	2.0482		917	1,878	0.9%	1,921	2.0950

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	RTSR - Connection	kWh	0.0057	20,545,898	0	118,130	70.0%	120,892	0.0059
General Service Less Than 50 kW	RTSR - Connection	kWh	0.0050	4,849,299	0	24,199	14.3%	24,765	0.0051
General Service 50 to 4,999 kW	RTSR - Connection	kW	2.0225		12,058	24,388	14.5%	24,958	2.0698
Unmetered Scattered Load	RTSR - Connection	kWh	0.0050	99,469	0	496	0.3%	508	0.0051
Street Lighting	RTSR - Connection	kW	1.5636		917	1,434	0.9%	1,467	1.6001

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	RTSR - Network	kWh	0.0075	20,545,898	0	153,924	68.8%	153,627	0.0075
General Service Less Than 50 kW	RTSR - Network	kWh	0.0069	4,849,299	0	33,658	15.0%	33,593	0.0069
General Service 50 to 4,999 kW	RTSR - Network	kW	2.7778		12,058	33,495	15.0%	33,430	2.7724
Unmetered Scattered Load	RTSR - Network	kWh	0.0069	99,469	0	690	0.3%	689	0.0069
Street Lighting	RTSR - Network	kW	2.0950		917	1,921	0.9%	1,917	2.0910

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	RTSR - Connection	kWh	0.0059	20,545,898	0	120,892	70.0%	120,727	0.0059
General Service Less Than 50 kW	RTSR - Connection	kWh	0.0051	4,849,299	0	24,765	14.3%	24,731	0.0051
General Service 50 to 4,999 kW	RTSR - Connection	kW	2.0698		12,058	24,958	14.5%	24,924	2.0670
Unmetered Scattered Load	RTSR - Connection	kWh	0.0051	99,469	0	508	0.3%	507	0.0051
Street Lighting	RTSR - Connection	kW	1.6001		917	1,467	0.9%	1,465	1.5979