



March 1, 2018

Ontario Energy  
Board P.O. Box 2319  
27th Floor  
2300 Yonge Street  
Toronto, Ontario M4P  
1E4

Attention: Ms. Kirsten Walli, Board Secretary  
**Regarding: 2018 Cost of Service Application (EB-2017-0048)**

Dear Ms. Walli,

Hydro Hawkesbury Inc. ("HHI") acknowledges the Ontario Energy Board's Oral Decision from the Settlement Day presentation February 17, 2016 and thus submits its Rate Order for 2018 Distribution Rates effective January 1, 2018.

HHI. confirms a copy of the Rate Order has been filed through the Board's e-filing service together with updated models.

Should the board have questions regarding this matter please contact Michel Poulin at the contact information provided below.

Respectfully Submitted,  
Yours truly,

A handwritten signature in black ink, appearing to read "Michel Poulin", written over a horizontal line.

Michel Poulin General Manager  
Hydro Hawkesbury Inc. 850 Tupper St.  
Hawkesbury, ON K6A 3S7  
Tel: 613-632-6689

**Hydro Hawkesbury Inc.**  
**2018 Cost of Service Application**  
**Rate Order**  
**EB-2017-0048**  
**Filed: February 27, 2018**  
**Revised: March 1, 2018**

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## **LIST OF ATTACHEMENTS**

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- A. Revenue Requirement Workform**
- B. Bill Impacts**
- D. Tariff Sheet**
- E. Foregone Revenue Calculations**

Note:

Hydro Hawkesbury Inc. has filed revised models as evidence to support this Rate Order. The models have been filed through the OEB's e-filing service and include:

- a) 2018 Revenue Requirement Workform
- b) Bill Impact Model
- c) Tariff Sheet Model

## INTRODUCTION

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Hydro Hawkesbury Inc. (the “Applicant” or “HHI”) filed a Cost of Service application with the Ontario Energy Board (the “OEB”) on July 12, 2017, under section 78 of the *Ontario Energy Board Act, 1998*, S.O. 1998, c. 15, (Schedule B) (the “Act”), seeking approval for changes to the rates that HHI charges for electricity distribution, to be effective January 1, 2018 (OEB file number EB-2017-0048) (the “Application”).

The OEB issued a Letter of Direction and Notice of Application on August 22, 2017. In Procedural Order No. 1, dated October 10, 2017, the OEB approved VECC and SEC for intervenor status as well as prescribing dates for the following: written interrogatories from OEB staff, VECC, and SEC; HHI’s responses to interrogatories; a settlement conference; and various other elements in the proceeding.

Following the receipt of interrogatories, HHI filed its interrogatory responses with the OEB on November 13, 2017, with the remainder of the responses filed by November 21, 2017.

On November 17, 2017, OEB Staff submitted a proposed issues list as agreed to by the parties. On November 21, 2017, the OEB issued its decision on the proposed issues list, approving the list submitted by OEB staff as the final issues list (the “Issues List”).

The settlement conference was convened on November 22, 2017, in accordance with the OEB’s *Rules of Practice and Procedure* (the “Rules”) and the OEB’s *Practice Direction on Settlement Conferences* (the “Practice Direction”).

HHI and the following intervenors (the “Intervenors”), participated in the settlement conference:

- Vulnerable Energy Consumers Coalition (“VECC”);
- School Energy Coalition (“SEC”).

HHI and the Intervenors are collectively referred to below as the “Parties.”

Ontario Energy Board staff (“OEB staff”) also participated in the settlement conference. The role adopted by OEB staff was set out on page 5 of the Practice Direction. Although OEB staff was not a party to the Settlement Proposal, as noted in the Practice Direction, OEB staff that did participate in the settlement conference are bound by the same confidentiality and privilege rules that apply to the Parties to the proceeding.

The Parties reached a full settlement with respect to the issues in this proceeding.

Hydro Hawkesbury presented the parties’ settlement proposal to the OEB on February

15, 2018. A copy of the presentation material was filed as Exhibit K1.1.

**Decision and Order – Settlement.**

In its Decision and Order issued on February 23, 2017, the OEB concluded that the severed Settlement Agreement be accepted.

The following Rate Order presents a brief review of the Board's decision and how the utility has complied and implemented the Board's rulings. The detailed supporting material, including all relevant calculations showing the impact of the Settlement Agreement and the February 23, 2018, Decision on Hydro Hawkesbury's revenue requirement; the determination of the final rates and customer rate impacts are provided in the commentary and Appendices which follow.

This Rate Order includes all tables and appendices that represent the evidence and the settlement between the Parties at the time of filing the settlement proposal.



## SUMMARY

A Revenue Requirement Work Form, incorporating all terms that have been agreed to in this Decision is filed with this Rate Order. Through the settlement process, HHI has agreed to certain adjustments to its original Application. The changes are described in the following sections.

HHI has provided the following Table 1 highlighting the changes to its Revenue Requirement from HHI's Application as filed as a result of interrogatories and the Settlement Agreement.

**Table 1 - 2018 Revenue Requirement**

	Application July 12 2017	IRR Nov 13 2017	Variance over Original Filing	Decision Feb 23, 2018	Variance over IRs
OM&A Expenses	\$1,210,114	\$1,210,114	\$0	\$1,175,114	-\$35,000
Amortization/Depreciation	\$280,878	\$280,878	\$0	\$281,068	\$190
Property Taxes	\$0	\$17,768	\$17,768	\$17,768	\$0
Capital Taxes	\$0	\$0	\$0	\$0	\$0
Income Taxes (Grossed up)	\$9,717	\$9,774	\$57	\$10,538	\$764
Other Expenses	\$0	\$0	\$0	\$0	\$0
Return					
Deemed Interest Expense	\$179,324	\$175,133	-\$4,191	\$166,848	-\$8,284
Return on Deemed Equity	\$302,560	\$302,929	\$369	\$307,020	\$4,091
Service Revenue Requirement (before Revenues)	\$1,982,593	\$1,996,596	\$14,003	\$1,958,356	-\$38,239
Revenue Offsets	\$207,894	\$208,216	\$322	\$214,216	\$6,000
Base Revenue Requirement	\$1,774,699	\$1,788,380	\$13,681	\$1,744,140	-\$44,239
Base Revenue Deficiency	\$163,342	\$188,290	\$24,948	\$120,493	-\$67,797

Table 2 - 2018 Bill Impact Summary (Final) below illustrates the updated Bill Impacts based on the results of the decision while

**Table 2 - 2018 Bill Impact Summary (Final)**

RATE CLASSES / CATEGORIES (e.g.: Residential TOU, Residential Retailer)	Units	Sub-Total						Total	
		A		B		C		Total = C + pass-through charges + commodity + HST	
		\$	%	\$	%	\$	%	\$	%
Residential service classification - RPP	750 kWh	-\$20.78	-125.8%	-\$23.00	-112.9%	-\$22.47	-77.7%	-\$24.44	-24.6%
Residential service classification - non-RPP (retailer)	750 kWh	-\$20.78	-125.8%	-\$20.14	-93.6%	-\$20.14	-93.6%	-\$21.99	-19.4%
Residential service classification - RPP	313 kWh	-\$19.68	-137.8%	-\$20.00	-125.8%	-\$20.00	-125.8%	-\$21.35	-46.8%
Residential service classification - non-RPP (retailer)	313 kWh	-\$19.68	-137.8%	-\$18.81	-114.9%	-\$18.81	-114.9%	-\$20.10	-36.5%
General service less than 50 kw service classification - RPP	2000 kWh	-\$2.39	-8.4%	-\$9.73	-25.2%	-\$8.53	-14.4%	-\$11.19	-4.3%
General service 50 to 4,999 kw service classification - non-RPP (retailer)	240 kW	-\$189.50	-32.0%	-\$444.22	-68.3%	-\$381.41	-23.7%	-\$478.02	-9.0%
Unmetered scattered load service classification - non-RPP (retailer)	4600 kWh	-\$6.31	-25.7%	-\$25.41	-46.4%	-\$22.65	-22.2%	-\$31.14	-4.1%
Sentinel lighting service classification - non-RPP (other)	123 kWh	-\$84.11	-16.0%	-\$102.18	-17.9%	-\$102.18	-17.9%	-\$115.66	-17.4%
Street lighting service classification - non-RPP (other)	15,000 kWh	-\$9,517.65	-10.6%	-\$29,757.15	-32.0%	-\$29,757.15	-32.0%	-\$33,649.63	-31.4%

*Subtotal A=Distribution Charges + LRAMVA*

*Subtotal B= Subtotal A+ Deferral and Variance Rate Riders + LV charges + Smart Meter Charges*

*Subtotal C= Subtotal B+ Transmission and Connection Charges*

*Total: Subtotal C +Pass-Through charges (WMS, RPP, SSS) + Commodity + HST*

**Table 3 - 2018 Bill Impact Summary (without substation refund)**

RATE CLASSES / CATEGORIES (e.g.: Residential TOU, Residential Retailer)	Units	Sub-Total						Total	
		A		B		C		Total = C + pass-through charges + commodity + HST	
		\$	%	\$	%	\$	%	\$	%
Residential service classification - RPP	750 kWh	\$0.82	5.0%	-\$1.40	-6.9%	-\$0.87	-3.0%	-\$1.76	-1.8%
Residential service classification - non-RPP (retailer)	750 kWh	\$0.82	5.0%	\$1.46	6.8%	\$1.46	6.8%	\$0.69	0.6%
Residential service classification - RPP	313 kWh	\$1.92	13.4%	\$1.60	10.1%	\$1.60	10.1%	\$1.33	2.9%
Residential service classification - non-RPP (retailer)	313 kWh	\$1.92	13.4%	\$2.79	17.1%	\$2.79	17.1%	\$2.58	4.7%
General service less than 50 kw service classification - RPP	2000 kWh	\$1.21	4.3%	-\$6.13	-15.9%	-\$4.93	-8.3%	-\$7.41	-2.8%
General service 50 to 4,999 kw service classification - non-RPP (retailer)	240 kW	-\$9.31	-1.6%	-\$264.02	-40.6%	-\$201.22	-12.5%	-\$274.40	-5.2%
Unmetered scattered load service classification - non-RPP (retailer)	4600 kWh	\$1.97	8.0%	-\$17.13	-31.3%	-\$14.37	-14.1%	-\$21.79	-2.9%
Sentinel lighting service classification - non-RPP (other)	123 kWh	\$61.67	11.8%	\$43.60	7.6%	\$43.60	7.6%	\$49.07	7.4%

<b>Street lighting service classification - non-RPP (other)</b>	15,000 kWh	-\$811.65	-0.9%	-\$21,051.15	-22.7%	-\$21,051.15	-22.7%	-\$23,811.85	-22.2%
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*Subtotal A=Distribution Charges + LRAMVA*

*Subtotal B= Subtotal A+ Deferral and Variance Rate Riders + LV charges + Smart Meter Charges*

*Subtotal C= Subtotal B+ Transmission and Connection Charges*

*Total: Subtotal C +Pass-Through charges (WMS, RPP, SSS) + Commodity + HST*

## **RRFE OUTCOMES**

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In its Decision, the OEB found that the settlement proposal, including the refund related to the 110kV substation, benefits consumers and produces outcomes that are consistent with the operational effectiveness and other performance objectives of the RRF. Further details on the 110kV substation are presented in the next section.

# 1 PLANNING

## 1.1 Capital

As part of the Settlement Agreement, the Parties accepted HHI's evidence that the gross capital expenditures were appropriate and that the rationale for planning and pacing choices was adequately explained. HHI, therefore, accepts the Board Approved capital expenditures of \$165,830 for the test year of 2018.

A summary of gross capital expenditures is presented in Table 4 - 2018 Gross Capital below.

**Table 4 - 2018 Gross Capital Additions**

	Application July 12 2017	IRR Nov 13 2017	Variance over Original Filing	Decision Feb 23, 2018	Variance over IRs
Gross Assets					
2018 Gross Open Bal	\$7,895,752	\$7,895,752	\$0.00	\$7,890,599	-\$5,153
2018 Additions	<b>\$175,830</b>	<b>\$175,830</b>	<b>\$0.00</b>	<b>\$165,830</b>	<b>-\$10,000</b>
2018 Disp/Ret	\$0	\$0	\$0.00	\$0	\$0
2018 Gross Close Bal	\$8,071,582	\$8,071,582	\$0.00	\$8,056,429	-\$15,153
<b>Accumulated Depreciation</b>					
2018 Open Bal	\$782,929	\$782,929	\$0.00	\$783,088	\$160
2018 Additions	<b>\$280,878</b>	<b>\$280,878</b>	<b>\$0.00</b>	<b>\$281,068</b>	<b>\$190</b>
2018 Disp/Ret	\$0	\$0	\$0.00	\$0	\$0
2018 Close Bal	\$1,063,807	\$1,063,807	\$0.00	\$1,064,156	\$350
<b>Net Book Value</b>	<b>\$7,007,776</b>	<b>\$7,007,776</b>	<b>\$0.00</b>	<b>\$6,992,273</b>	<b>-\$15,503</b>
System Access	\$36,800	\$36,800	\$0.00	\$36,800	\$0
System Renewal	\$117,780	\$117,780	\$0.00	\$117,780	\$0
System Service	\$10,000	\$10,000	\$0.00	\$0	-\$10,000
General Plant	\$11,250	\$11,250	\$0.00	\$11,250	\$0
Total Additions	<b>\$175,830</b>	<b>\$175,830</b>	<b>\$0.00</b>	<b>\$165,830</b>	<b>-\$10,000</b>
Capital Contribution included in System Access	\$0	\$0	\$0.00	-\$10,000	-\$10,000

Note: the terms "Additions" and "Expenditures" are used interchangeably and refer to the cost involved for adding new assets or bettering existing assets within a utility.

## 1.2 OM&A

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Per the Settlement Agreement, HHI agreed to a reduction of \$35,000 to the proposed 2018 OM&A budget; the parties agree that the proposed OM&A budget is appropriate. For illustrative purposes, HHI has allocated the \$35,000 reduction across the categories of OM&A spending, but the Parties acknowledge that HHI is at liberty to manage the reduction as it sees fit, given the actual cost pressures faced by the company. HHI does not believe that the proposed reduction will materially impact the service quality or reliability of its distribution system.

As detailed and agreed to in the Settlement Agreement, HHI is transitioning over the next year when its two remaining linemen retire to completely rely on external contractors to manage 100% of its capital and O&M activities. Currently, HHI does not have a formal service agreement with its primary contractor Sproule Inc. The Parties have agreed that HHI will enter into a service agreement with Sproule Inc. to formalize the terms of their working relationship within 1 year. HHI will file a copy of that agreement under the EB-2017-0048 docket number to confirm compliance with this term of the Settlement Proposal.

**Table 5 - 2018 Test Year OM&A Expenditures**

	Application July 12 2017	IRR Nov 13 2017	Variance over Original Filing	Decision Feb 23, 2018	Variance over IRs
Operations	\$95,593	\$95,593	\$0	\$92,648	-\$2,945
Maintenance	\$204,514	\$204,514	\$0	\$198,496	-\$6,018
Billing and Collecting	\$476,632	\$476,632	\$0	\$462,970	-\$13,662
Community Relations	\$0	\$0	\$0	\$0	\$0
Administration & General +LEAP	\$433,375	\$433,375	\$0	\$421,000	-\$12,375
<b>Total</b>	<b>\$1,210,114</b>	<b>\$1,210,114</b>	<b>\$0</b>	<b>\$1,175,114</b>	<b>-\$35,000</b>

## 2 REVENUE REQUIREMENT

HHI accepts the Settlement Agreements proposed Board Approved Revenue Requirement in the amount of \$1,958,356 as appropriate and have been correctly determined in accordance with OEB accounting policies and practices.

A summary of the adjusted Revenue Requirement reflecting adjustments and settled issues in accordance with the above is presented in Table 6 - 2018 Revenue Requirement below.

**Table 6 - 2018 Revenue Requirement**

	<b>Application July 12 2017</b>	<b>IRR Nov 13 2017</b>	<b>Variance over Original Filing</b>	<b>Decision Feb 23, 2018</b>	<b>Variance over IRs</b>
OM&A Expenses	\$1,210,114	\$1,210,114	\$0	\$1,175,114	-\$35,000
Amortization/Depreciation	\$280,878	\$280,878	\$0	\$281,068	\$190
Property Taxes	\$0	\$17,768	\$17,768	\$17,768	\$0
Capital Taxes	\$0	\$0	\$0	\$0	\$0
Income Taxes (Grossed up)	\$9,717	\$9,774	\$57	\$10,538	\$764
Other Expenses	\$0	\$0	\$0	\$0	\$0
Return					
Deemed Interest Expense	\$179,324	\$175,133	-\$4,191	\$166,848	-\$8,284
Return on Deemed Equity	\$302,560	\$302,929	\$369	\$307,020	\$4,091
Service Revenue Requirement (before Revenues)	\$1,982,593	\$1,996,596	\$14,003	\$1,958,356	-\$38,239
Revenue Offsets	\$207,894	\$208,216	\$322	\$214,216	\$6,000
Base Revenue Requirement	\$1,774,699	\$1,788,380	\$13,681	\$1,744,140	-\$44,239
Base Revenue Deficiency	\$163,342	\$188,290	\$24,948	\$120,493	-\$67,797

## 2.1 Cost of Capital

HHI accepts the Settlement Agreements proposed Board Approved Cost of Capital in the amount of \$473,868 as appropriate and as being correctly determined in accordance with OEB accounting policies and practices.

Table 7 - 2018 Cost of Capital Calculation below details the cost of capital calculation and Table 8 - 2018 Debt Instruments details the utility's actual debt.

**Table 7 - 2018 Cost of Capital Calculation**

Particulars	Application July 12 2017	Application July 12 2017	IR Nov 10 2017	IR Nov 10 2017	Variance over Original Filing	Decision Feb 23, 2018	Decision Feb 23, 2018	Variance over IRs
Debt								
Long-term Debt	3.59%	\$173,259	3.59%	\$169,060	-\$4,198	3.33%	\$159,036	-\$10,024
Short-term Debt	1.76%	\$6,065	1.76%	\$6,072	\$7	2.29%	\$7,812	\$1,740
Total Debt	5.35%	\$179,324	8.78%	\$175,133	-\$4,191	3.67%	\$166,848	-\$8,284
Equity								
Common Equity	9.00%	\$302,560	9.00%	\$302,929	\$369	9.00%	\$307,020	\$4,091
Preferred Shares	0.00%	\$0	0.00%	\$0	\$0	0.00%	\$0	\$0
Total Equity	9.00%	\$302,560	9.00%	\$302,929	\$369	9.00%	\$307,020	\$4,091
Total	5.59%	\$481,883	5.59%	\$478,061	-\$3,822	5.56%	\$473,868	-\$4,193

**Table 8 - 2018 Debt Instruments**

Description	Lender	Affiliated or Third-Party Debt?	Fixed or Variable-Rate?	Start Date	Term (years)	Principal (\$)	Rate (%) (Note 2)	Interest (\$) (Note 1)
Term facility - SUB 44KV Loan	Infrastructure Ontario	Third-Party	Fixed Rate	July 16, 2012	25	\$ 619,432	0.0394	\$24,405.62
Term facility - SUB 110KV Loan	Infrastructure Ontario	Third-Party	Fixed Rate	January 1, 2018	25	\$1,480,000	0.0353	\$52,244.00
Term facility - SUB 110KV Loan	Infrastructure Ontario	Third-Party	Fixed Rate	January 1, 2018	25	\$1,550,000	0.0329	\$50,995.00
Capital expenditures 2014-2015	Infrastructure Ontario	Third-Party	Fixed Rate	July 1, 2017	5	\$450,000	0.0199	\$8,955.00
						\$4,099,432	0.0333216	\$136,599.62



## 2.2 Rate Base

HHI accepts the Board Approved Rate Base of \$8,528,333, after making the adjustment to the working capital rate base as detailed in the Settlement Agreement, as reasonable and as being appropriately determined in accordance with OEB policies and practices.

Table 9 - 2018 Rate Base below outlines HHI's approved Rate Base.

**Table 9 - 2018 Rate Base**

Particulars	Application July 12, 2017	IRR Nov 13, 2017	Variance over Original Filing	Decision Feb 23, 2018	Variance over IRs
Gross Fixed Assets (avg.)	\$7,983,667	\$7,983,667	\$0	\$7,973,514	-\$10,153
Accumulated Depreciation (avg.)	-\$923,368	-\$923,368	\$0	-\$923,622	-\$255
Net Fixed Assets (avg.)	\$7,060,300	\$7,060,300	\$0	\$7,049,892	-\$10,408
Allowance for Working Capital	\$1,554,729	\$1,565,231	\$10,503	\$1,478,441	-\$86,790
<b>Total Rate Base</b>	<b>\$8,615,028</b>	<b>\$8,625,531</b>	<b>\$10,503</b>	<b>\$8,528,333</b>	<b>-\$97,198</b>
Controllable Expenses	\$1,210,114	\$1,227,882	\$17,768	\$1,192,882	-\$35,000
Cost of Power	\$19,519,602	\$19,641,868	\$122,266	\$18,519,668	-\$1,122,200
Working Capital Base	\$20,729,716	\$20,869,750	\$140,034	\$19,712,551	-\$1,157,200
Working Capital Rate %	7.50%	7.50%	\$0.00	7.50%	0.00%
Working Capital Allowance	\$1,554,729	\$1,565,231	\$10,503	\$1,478,441	-\$86,790

## 2.3 Working Capital Allowance

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HHI accepts the Board Approved Working Capital Allowance of \$1,478,441 as being appropriately calculated. The components include adjustments in relation to OMA reductions and to the Cost of Power in relation to changes to the commodity prices as of July 1, 2017 and to the Global Adjustment as a result of the province's Fair Hydro Plan, as published in the Regulated Price Plan Prices and the Global Adjustment Modifier for the Period July 1, 2017 to April 30, 2018 issued on June 22, 2017. The derivation of the Cost of Power is presented in Attachment E of the settlement agreement.

**Table 10 - 2018 Working Capital Allowance Calculation**

Particulars	Application July 12, 2017	IRR Nov 10, 2017	Variance over Original Filing	Decision Feb 23, 2018	Variance over IRs
Controllable Expenses	\$1,210,114	\$1,227,882	\$17,768	\$1,192,882	-\$35,000
Cost of Power	\$19,519,602	\$19,641,868	\$122,266	\$18,519,668	-\$1,122,200
Working Capital Base	\$20,729,716	\$20,869,750	\$140,034	\$19,712,551	-\$1,157,200
Working Capital Rate %	7.50%	7.50%	\$0.00	7.50%	0.00%
Working Capital Allowance	\$1,554,729	\$1,565,231	\$10,503	\$1,478,441	-\$86,790

## 2.4 Depreciation

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HHI accepts the Settlement Agreements proposed Board Approved Depreciation Expense in the amount of \$281,068 as appropriate and as being correctly determined in accordance with OEB accounting policies and practices.

**Table 11 - 2018 Depreciation**

Particulars	Application July 12, 2017	IRR Nov 10, 2017	Variance over Original Filing	Decision Feb 23, 2018	Variance over IRs
Depreciation	\$280,878	\$280,878	\$0.00	281,068	\$190

## 2.5 Taxes

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HHI accepts the Settlement Agreements proposed Board Approved Income Taxes in the amount of \$10,538 as appropriate and as being correctly determined in accordance with OEB accounting policies and practices.

**Table 12 - 2018 Income Taxes**

	Application July 12 2017	IRR Nov 10 2017	Variance over Original Filing	Decision Feb 23, 2018	Variance over IRs
Income Taxes (Grossed up)	\$9,717	\$9,774	\$57	\$10,538	\$764

## 2.6 Other Revenue

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HHI accepts the Settlement Agreements proposed Board Approved Other Revenues in the amount of \$214,216 as appropriate and as being correctly determined in accordance with OEB accounting policies and practices.

In the Settlement Agreement, the Parties agreed that HHI would forecast net revenue of \$30,000 with respect to the disposal of 3 vehicles that will likely become unused by HHI in 2018, noting that all three vehicles have been fully depreciated; because the forecasted sale is a one time occurrence, the Parties have agreed to amortize the revenue from the sale by including 1/5<sup>th</sup> or \$6,000 related to the sale of the Test Year Revenue Requirement.

The parties also agreed to update the Specific Service Charges to reflect a revised MicroFit charge of \$10/customer.

**Table 13 - 2018 Other Revenue**

	<b>Application July 12 2017</b>	<b>IRR Nov 13 2017</b>	<b>Variance over Original Filing</b>	<b>Decision Feb 23, 2018</b>	<b>Variance over IRs</b>
Specific Service Charges	\$64,948	\$64,948	\$0	\$65,270	\$322
Late Payment Charges	\$29,740	\$29,740	\$0	\$29,740	\$0
Other Distribution Revenues	\$30,777	\$30,777	\$0	\$30,777	\$0
Other Income and Deductions	\$82,429	\$82,429	\$0	\$88,429	\$6,000
<b>Total</b>	<b>\$207,894</b>	<b>\$207,894</b>	<b>\$0</b>	<b>\$214,216</b>	<b>\$6,322</b>

### 3 LOAD FORECAST, COST ALLOCATION, AND RATE DESIGN

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#### 3.1 Customer/Connection Forecast

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HHI accepts the Board Approved customer forecast, as being correctly determined in accordance with OEB accounting policies and practices.

**Table 14 - Summary of 2018 Load Forecast Customer Counts/Connections**

Particulars	Application July 12, 2017	IRR Nov 13, 2017	Variance over Original Filing	Decision Feb 23, 2018	Variance over IRs
Residential	4,836	4,836	0	4,836	0
General Service < 50 kW	618	618	0	618	0
General Service > 50 to 4999 kW	89	89	0	89	0
Unmetered Scattered Load	10	10	0	10	0
Sentinel Lighting	57	57	0	57	0
Street Lighting	1,211	1,211	0	1,211	0
Total	6820	6820	0	6820	0

#### 3.2 Load Forecast

---

HHI accepts the Board Approved load forecast and Conservation and Demand Management (“CDM”) adjustments as being correctly determined in accordance with OEB accounting policies and practices.

The resulting billing determinants are presented in Table 15 - Summary of 2018 Load Forecast Billed kWh (CDM Adjusted) below.

**Table 15 - Summary of 2018 Load Forecast Billed kWh (CDM Adjusted)'**

Particulars	Application July 12, 2017	IRR Nov 13, 2017	Variance over Original Filing	Decision Feb 23, 2018	Variance over IRs
<b>Energy (kWh)</b>					
Residential	48,228,553	47,552,180	-676,372	50,454,856	2,902,676
General Service < 50 kW	18,143,532	17,889,082	-254,451	17,883,115	-5,966
General Service > 50 to 4999 kW	81,021,489	79,885,218	-1,136,271	85,142,906	5,257,689
Unmetered Scattered Load	429,307	422,721	-6,586	432,358	9,638
Sentinel Lighting	84,029	82,740	-1,289	84,626	1,886
Street Lighting	641,942	632,094	-9,848	646,505	14,411
<b>Total</b>	<b>148,548,851</b>	<b>146,464,034</b>	<b>-2,084,817</b>	<b>154,644,367</b>	<b>8,180,334</b>
<b>Demand (kW)</b>					
Residential	0	0	0	0	0
General Service < 50 kW	0	0	0	0	0
General Service > 50 to 4999 kW	211,046	212,831	1,784	221,782	8,951
Unmetered Scattered Load	0	4	4	0	-4
Sentinel Lighting	238	240	2	240	0
Street Lighting	1,844	1,857	13	1,857	0
<b>Total</b>	<b>213,128</b>	<b>214,932</b>	<b>1,803</b>	<b>223,879</b>	<b>8,947</b>

### 3.3 Loss Factors

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HHI accepts the Board Approved Loss Factor of 1.0509, as reasonable and as being appropriately determined in accordance with OEB policies and practices.

**Table 16 - 2018 Loss Factors**

Particulars	Application July 12, 2017	IRR Nov 13, 2017	Variance over Original Filing	Decision Feb 23, 2018	Variance over IRs
Customer Class					
Loss Factor in Distributor's system = C / F	1.0298	1.0298	0.0000	1.0298	0.0000
Losses Upstream of Distributor's System					
Supply Facilities Loss Factor	1.0053	1.0039	-0.0014	1.0205	0.0166
Total Losses					
Total Loss Factor = G x H	1.0352	1.0338	-0.0014	1.0509	0.0171

### 3.4 LRAMVA Baseline

HHI accepts the Board Approved LRAMVA Baseline of 5,680,929 kWh, as reasonable and as being appropriately determined in accordance with OEB policies and practices.

In the Settlement Agreement, the parties agreed to LRAMVA thresholds as set out in Table 17 - 2018 LRAMVA Baseline kWhs and kW's below.

**Table 17 - 2018 LRAMVA Baseline kWhs and kW's**

Customer Class		2015	2016	total			
Particulars	Year	verified (kWh)	verified (kWh)	2017-2018 CDM Plan	Total Savings 2015-2018	Share	LRAMVA baseline
<b>Residential</b>							
	kWh	404,056	731,503	367,290	1,502,849	26.36%	1,497,375
<b>General Service &lt; 50 kW</b>							
	kWh	883,619	629,072	1,385,164	2,897,855	50.82%	2,887,298
<b>General Service &gt; 50 to 2999 kW</b>							
	kWh	11,096		1,289,899	1,300,995	22.82%	1,296,256
<b>USL</b>							
	kWh						
<b>Sentinel</b>							
	kWh						
<b>Street Lighting</b>							
	kWh						
	<b>Total</b>	<b>1,298,771</b>	<b>1,360,575</b>	<b>3,042,353</b>	<b>5,701,699</b>	<b>100.00%</b>	<b>5,680,929</b>



### 3.5 Cost Allocation

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HHI accepts the Board Approved Revenue to Cost Ratios as presented in Table 18 - Summary of 2018 Revenue to Cost Ratios below, as reasonable and as being appropriately determined in accordance with OEB policies and practices.

**Table 18 - Summary of 2018 Revenue to Cost Ratios**

Particulars	Application July 12, 2017			IRR Nov 10, 2017			Decision Feb 23, 2018		
	Calculated R/C Ratio	Proposed R/C Ratio	Variance	Calculated R/C Ratio	Proposed R/C Ratio	Variance	Calculated R/C Ratio	Proposed R/C Ratio	Variance
Customer Class Name									
Residential	1.01	1.01	0.00	1.02	1.02	0.00	0.98	0.98	0.00
General Service < 50 kW	1.07	1.07	0.00	1.08	1.08	0.00	0.99	0.99	0.00
General Service > 50 to 4999 kW	0.95	0.95	0.00	0.93	0.93	0.00	1.06	1.06	0.00
Unmetered Scattered Load	0.97	0.97	0.00	0.96	0.96	0.00	0.91	0.91	0.00
Sentinel Lighting	1.00	1.00	0.00	0.98	0.98	0.00	0.98	0.98	0.00
Street Lighting	0.73	0.80	-0.07	0.81	0.81	0.00	0.82	0.81	0.00



## 4 RETAIL TRANSMISSION SERVICE RATES AND LOW VOLTAGE SERVICE RATE

### 4.1 Retail Transmission Service Rates

HHI accepts the Board Approved RTSRs presented in Table 21 - RTSR Network and Connection Rates below.

**Table 21 - RTSR Network and Connection Rates**

Transmission - Network	Application July 12, 2017	Application July 12, 2017	IRR Nov 13, 2017	IRR Nov 13, 2017	Decision Feb 23, 2018	Decision Feb 23, 2018
Class Name	Rate	Impact on CoP	Rate	Impact on CoP	Rate	Impact on CoP
Residential	0.0078	\$387,863	0.0076	\$373,229	0.0074	\$395,025
General Service < 50 kW	0.0071	\$133,583	0.0070	\$128,543	0.0068	\$128,180
General Service > 50 to 4999 kW	2.8974	\$611,487	2.8317	\$589,239	2.7786	\$616,243
Unmetered Scattered Load	0.0071	\$3,161	0.0070	\$3,037	0.0068	\$3,099
Sentinel Lighting	2.1860	\$521	2.1364	\$501	2.0963	\$503
Street Lighting	2.1853	\$4,029	2.1358	\$3,878	2.0957	\$3,892
<b>Total</b>		<b>\$1,140,644</b>		<b>\$1,098,427</b>		<b>\$1,143,050</b>
<b>Transmission - Connection</b>						
Class Name	Rate	Impact on CoP	Rate	Impact on CoP	Rate	Impact on CoP
Residential	0.0041	\$204,172	0.0041	\$199,202	0.0041	\$215,439
General Service < 50 kW	0.0036	\$67,773	0.0036	\$66,123	0.0036	\$67,376
General Service > 50 to 4999 kW	1.4831	\$313,003	1.4696	\$305,810	1.4736	\$326,809
Unmetered Scattered Load	0.0036	\$1,604	0.0036	\$1,563	0.0036	\$1,629
Sentinel Lighting	2.3410	\$558	2.3198	\$544	2.3260	\$558
Street Lighting	1.1465	\$2,114	1.1360	\$2,063	1.1391	\$2,115
<b>Total</b>		<b>\$589,224</b>		<b>\$575,305</b>		<b>\$611,811</b>

## 4.2 Low Voltage Service Rates

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HHI accepts the Board Approved Low Voltage Charges as being appropriately determined.

**Table 22 – LV Charges**

<b>Low Voltage Charges Rate Rider Calculations</b>					
<b>Customer Class Name</b>	<b>% Allocation</b>	<b>Charges</b>	<b>Not Uplifted Volumes</b>	<b>Rate</b>	<b>per</b>
Residential	34.14%	72,092	50,454,856	\$0.0014	kWh
General Service < 50 kW	10.74%	22,683	17,883,115	\$0.0013	kWh
General Service > 50 to 4999 kW	54.41%	114,878	221,782	\$0.5184	kW
Unmetered Scattered Load	0.26%	544	432,358	\$0.0013	kWh
Sentinel Lighting	0.09%	196	240	\$0.8183	kW
Street Lighting	0.35%	743	1,857	\$0.4007	kW
<b>TOTAL</b>	<b>100.00%</b>	<b>211,136</b>	<b>68,994,212</b>		

## 5 ACCOUNTING

### 5.1 Disposition of Deferral and Variance Accounts

HHI accepts the Settlement Agreement's evidence that all elements of the applied for deferral and variance accounts are appropriate as updated through the interrogatory process, including the balances in the existing accounts and their disposition on a harmonized basis commencing January 1, 2018, and the continuation of existing accounts. Specific to the clearance of the 2015 and 2016 LRAMVA, the parties accept the updated balances as appropriate for clearance. The agreed upon disposition period for all rate riders is 1 year.

Table 23 - DVA Balances below summarizes the amounts for disposition and associated rate riders by rate class.

**Table 23 - DVA Balances**

		Amounts from Sheet 2	Allocator
LV Variance Account	1550	186,384	kWh
Smart Metering Entity Charge Variance Account	1551	(977)	# of Customers
RSVA - Wholesale Market Service Charge	1580	(345,244)	kWh
RSVA - Retail Transmission Network Charge	1584	132,817	kWh
RSVA - Retail Transmission Connection Charge	1586	151,496	kWh
RSVA - Power (excluding Global Adjustment)	1588	(924,762)	kWh
RSVA - Global Adjustment	1589	304,101	Non-RPP kWh
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595	0	%
Disposition and Recovery/Refund of Regulatory Balances (2013)	1595	43,346	kWh
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595	(19,620)	kWh
Disposition and Recovery/Refund of Regulatory Balances (2015)	1595	33,496	kWh
<b>Total of Group 1 Accounts (excluding 1589)</b>		<b>(743,064)</b>	
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	23,786	kWh
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	0	kWh
Other Regulatory Assets - Sub-Account - Other	1508	0	kWh
Retail Cost Variance Account - Retail	1518	11,135	kWh
Misc. Deferred Debits	1525	0	kWh
Retail Cost Variance Account - STR	1548	11,163	kWh
<b>Total of Group 2 Accounts</b>		<b>46,085</b>	
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account)	1592	0	kWh

PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	0	kWh
<b>Total of Account 1592</b>		<b>0</b>	

LRAM Variance Account ( <b>Enter dollar amount for each class</b> )	1568	<b>7860</b>	
(Account 1568 - total amount allocated to classes)		7861	
<b>Variance</b>		<b>1</b>	

Renewable Generation Connection OM&A Deferral Account	1532	<b>0</b>	kWh
---	------	----------	-----

<b>Total of Group 1 Accounts (1550, 1551, 1584, 1586 and 1595)</b>		<b>526,943</b>	
<b>Total of Account 1580 and 1588 (not allocated to WMPs)</b>		<b>(1,270,007)</b>	
<b>Balance of Account 1589 Allocated to Non-WMPs</b>		<b>304,101</b>	

<b>Group 2 Accounts (including 1592, 1532)</b>		<b>46,085</b>	
--	--	---------------	--

IFRS-CGAAP Transition PP&E Amounts Balance + Return Component	1575	0	kWh
Accounting Changes Under CGAAP Balance + Return Component	1576	0	kWh
<b>Total Balance Allocated to each class for Accounts 1575 and 1576</b>		<b>0</b>	

**Table 24 - LRAMVA Rate Riders**

Description	Residential	General Service <50 kW	General Service 50 - 4999 kW	Street Lighting	Sentinel Lighting	Unmetered Scattered Load	Total
	kWh	kWh	kW	kW	kWh	kW	
2015 Actuals	\$8,411.40	\$20,085.78	\$26.68	\$0.00	\$0.00	\$0.00	\$28,523.87
2015 Forecast	(\$13,962.18)	(\$3,281.89)	(\$11,454.47)	(\$529.58)	(\$25.97)	(\$22.31)	(\$29,276.39)
Amount Cleared							
2016 Actuals	\$11,421.43	\$23,583.05	\$27.24	\$0.00	\$0.00	\$0.00	\$35,031.72
2016 Forecast	(\$10,827.81)	(\$3,336.59)	(\$11,695.00)	(\$540.70)	(\$26.52)	(\$22.89)	(\$26,449.50)
Amount Cleared							
Carrying Charges	(\$86.48)	\$372.93	(\$243.03)	(\$11.26)	(\$0.55)	(\$0.47)	\$31.14
<b>Total LRAMVA Balance</b>	<b>-\$5,044</b>	<b>\$37,423</b>	<b>-\$23,339</b>	<b>-\$1,082</b>	<b>-\$53</b>	<b>-\$46</b>	<b>\$7,861</b>
<b>Rate Rider</b>	<b>-0.0001</b>	<b>0.0021</b>	<b>-0.1052</b>	<b>-0.5824</b>	<b>-0.2210</b>	<b>-0.0001</b>	

## **5 OTHER**

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### **5.1 Effective Date**

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HHI accepts the Board's decision that rates new rates should be made effective January 1, 2018 and have an implementation date of March 1, 2018.

In accordance with the Decision, Hydro Hawkesbury has calculated foregone revenue and rate riders to recover the difference between the effective date of January 1, 2018, and the implementation date of March 1, 2018. With respect to all other rate riders, HHI proposes to extend their sunset date by two months or February 28, 2019.

## 5.2 110kV transformer station refund

---

HHI accepts the Board's decision that the refund related to the 110kV substation benefits consumers and produces outcomes that are consistent with the operational effectiveness and other performance objectives of the RRF.

**Table 25 – Transformer Refund Rate Rider**

<b>Rate Class (Enter Rate Classes in cells below)</b>	<b>Units</b>	<b>kW / kWh / # of Customers</b>	<b>Allocated Balance (excluding 1589)</b>	<b>Rate Rider for Deferral/Variance Accounts</b>
RESIDENTIAL	# of Customers	4,836	-\$104,455.81	<b>-\$21.60</b>
GENERAL SERVICE < 50 KW	kWh	17,883,115	-\$32,667.44	<b>-\$0.0018</b>
GENERAL SERVICE > 50 TO 4999 KW	kW	221,782	-\$166,523.25	<b>-\$0.7508</b>
UNMETERED SCATTERED LOAD	kWh	432,358	-\$789.80	<b>-\$0.0018</b>
SENTINEL LIGHTING	kW	240	-\$284.44	<b>-\$1.1852</b>
STREET LIGHTING	kW	1,857	-\$1,077.80	<b>-\$0.5804</b>
<b>Total</b>			<b>-\$305,798.55</b>	



### 5.3 Foregone Revenue Rate Rider

In accordance with the Decision, Hydro Hawkesbury has calculated foregone revenue and rate riders to recover the difference between the effective date of January 1, 2018, and the implementation date of March 1, 2018. The Rate Rider is presented below, and the derivation of the rate riders is presented at Attachment D of this Rate Order.

**Table 26 – Foregone Revenue Rate Rider**

Rate Effective Date	January 1 2018
Rate Implementation Date	March 1 2018
Forgone months	2
Recovery period (months)	10
Sunset Date	Dec 31 2018

<i>Monthly Service Charge</i>	<b>New Rate</b>	<b>Existing Rate</b>	<b>Difference</b>	<b>Foregone Revenue (2 months)</b>	<b>Rate Rider calculated over 10 months</b>
Residential	\$15.15	\$11.90	\$3.25	<b>\$6.50</b>	<b>\$0.24</b>
General Service < 50 kW	\$15.47	\$15.47	\$0.00	<b>\$0.00</b>	<b>\$0.00</b>
General Service > 50 to 4999 kW	\$100.99	\$100.99	\$0.00	<b>\$0.00</b>	<b>\$0.00</b>
Unmetered Scattered Load	\$7.12	\$6.63	\$0.49	<b>\$0.97</b>	<b>\$0.10</b>
Sentinel Lighting	\$1.66	\$1.66	\$0.00	<b>\$0.00</b>	<b>\$0.00</b>
Street Lighting	\$0.59	\$0.55	\$0.04	<b>\$0.08</b>	<b>\$0.01</b>
<i>Distribution Volumetric Rate *</i>	<b>New Rate (1)</b>	<b>Existing Rate (2)</b>	<b>Difference (12 months)</b>	<b>Rate Rider (2 month of FR)</b>	<b>Rate Rider calculated over 10 months</b>
Residential	\$0.0027	\$0.0051	-\$0.0024	<b>\$0.00</b>	<b>\$0.0000</b>
General Service < 50 kW	\$0.0071	\$0.0061	\$0.0010	<b>\$0.00</b>	<b>\$0.0002</b>
General Service > 50 to 4999 kW	\$2.1023	\$2.0470	\$0.0553	<b>\$0.11</b>	<b>\$0.0111</b>
Unmetered Scattered Load	\$0.0042	\$0.0039	\$0.0003	<b>\$0.00</b>	<b>\$0.0001</b>
Sentinel Lighting	\$3.8961	\$3.2940	\$0.6021	<b>\$1.20</b>	<b>\$0.1204</b>
Street Lighting	\$6.4020	\$5.9651	\$0.4369	<b>\$0.87</b>	<b>\$0.0874</b>

## **6 ATTACHMENTS**

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## **A. Revenue Requirement Workform**



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2017 Filers



Version 7.00

Utility Name	Hydro Hawkesbury Inc.
Service Territory	
Assigned EB Number	EB-2017-0048
Name and Title	Michel Poulin, General Manager
Phone Number	613-632-6689
Email Address	<a href="mailto:mpoulin@hydrohawkesbury.ca">mpoulin@hydrohawkesbury.ca</a>

The RRWF has been enhanced commencing with 2017 rate applications to provide estimated base distribution rates. The enhanced RRWF is not intended to replace a utility's formal rate generator model which should continue to be the source of the proposed rates as well as the final ones at the conclusion of the proceeding. The load forecasting addition made to this model is intended to be demonstrative only and does not replace the information filed in the utility's application. In an effort to minimize the incremental work required from utilities, the cost allocation and rate design additions to this model do in fact replace former appendices that were required to be filed as part of the cost of service (Chapter 2) filing requirements.

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*prohibited. If you provide a copy of this model to a person that is advising or assisting you in preparing the application or reviewing your draft rate order, you must ensure that the person understands and agrees to the restrictions noted above.*

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2017 Filers

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## Notes:

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



# Revenue Requirement Workform (RRWF) for 2017 Filers

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

	Initial Application <sup>(2)</sup>	Adjustments	Interrogatory Responses <sup>(6)</sup>	Adjustments	Per Board Decision
<b>1 Rate Base</b>					
Gross Fixed Assets (average)	\$7,983,667		\$ 7,983,667	(\$10,153)	\$7,973,514
Accumulated Depreciation (average)	(\$923,368) <sup>(5)</sup>		(\$923,368)	(\$255)	(\$923,622)
<b>Allowance for Working Capital:</b>				\$0	
Controllable Expenses	\$1,210,114	\$17,768	\$ 1,227,882	(\$35,000)	\$1,192,882
Cost of Power	\$19,519,602	\$122,266	\$ 19,641,868	(\$1,122,200)	\$18,519,668
Working Capital Rate (%)	7.50% <sup>(9)</sup>		7.50% <sup>(9)</sup>		7.50% <sup>(9)</sup>
<b>2 Utility Income</b>					
<b>Operating Revenues:</b>					
Distribution Revenue at Current Rates	\$1,611,356	(\$11,267)	\$1,600,090	\$23,558	\$1,623,647
Distribution Revenue at Proposed Rates	\$1,774,699	\$13,681	\$1,788,380	(\$28,479)	\$1,744,140
<b>Other Revenue:</b>					
Specific Service Charges	\$64,948	\$322	\$65,270	\$0	\$65,270
Late Payment Charges	\$29,740	\$0	\$29,740	\$0	\$29,740
Other Distribution Revenue	\$30,777	\$0	\$30,777	\$0	\$30,777
Other Income and Deductions	\$82,429	\$0	\$82,429	\$6,000	\$88,429
Total Revenue Offsets	\$207,894 <sup>(7)</sup>	\$322	\$208,216	\$6,000	\$214,216
<b>Operating Expenses:</b>					
OM+A Expenses	\$1,210,114		\$ 1,210,114	(\$35,000)	\$1,175,114
Depreciation/Amortization	\$280,878		\$ 280,878	\$190	\$281,068
Property taxes	\$ -	\$17,768	\$ 17,768		\$17,768
Other expenses					
<b>3 Taxes/PILs</b>					
<b>Taxable Income:</b>					
Adjustments required to arrive at taxable income	(\$247,497) <sup>(3)</sup>		(\$247,497)		(\$247,307)
<b>Utility Income Taxes and Rates:</b>					
Income taxes (not grossed up)	\$8,259		\$8,308		\$8,957
Income taxes (grossed up)	\$9,717		\$9,774		\$10,538
Federal tax (%)	10.50%		10.50%		10.50%
Provincial tax (%)	4.50%		4.50%		4.50%
Income Tax Credits					
<b>4 Capitalization/Cost of Capital</b>					
<b>Capital Structure:</b>					
Long-term debt Capitalization Ratio (%)	56.0%		56.0%		56.0%
Short-term debt Capitalization Ratio (%)	4.0% <sup>(8)</sup>		4.0% <sup>(8)</sup>		4.0% <sup>(8)</sup>
Common Equity Capitalization Ratio (%)	40.0%		40.0%		40.0%
Preferred Shares Capitalization Ratio (%)					
	100.0%		100.0%		100.0%
<b>Cost of Capital</b>					
Long-term debt Cost Rate (%)	3.59%		3.50%		3.33%
Short-term debt Cost Rate (%)	1.76%		1.76%		2.29%
Common Equity Cost Rate (%)	8.78%		8.78%		9.00%
Preferred Shares Cost Rate (%)					

Notes:

- General** Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.
- (1) All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)
  - (2) Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I
  - (3) Net of addbacks and deductions to arrive at taxable income.
  - (4) Average of Gross Fixed Assets at beginning and end of the Test Year
  - (5) Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.
  - (6) Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.
  - (7) Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
  - (8) 4.0% unless an Applicant has proposed or been approved for another amount.
  - (9) The default Working Capital Allowance factor is 7.5% (of Cost of Power plus controllable expenses), per the letter issued by the Board on June 3, 2015. Alternatively, a WCA factor based on lead-lag study, with supporting rationale could be provided.



# Revenue Requirement Workform (RRWF) for 2017 Filers

## Rate Base and Working Capital

Line No.	Rate Base Particulars	Initial Application	Adjustments	Interrogatory Responses	Adjustments	Per Board Decision
1	Gross Fixed Assets (average) <sup>(2)</sup>	\$7,983,667	\$ -	\$7,983,667	(\$10,153)	\$7,973,514
2	Accumulated Depreciation (average) <sup>(2)</sup>	(\$923,368)	\$ -	(\$923,368)	(\$255)	(\$923,622)
3	Net Fixed Assets (average) <sup>(2)</sup>	\$7,060,300	\$ -	\$7,060,300	(\$10,408)	\$7,049,892
4	Allowance for Working Capital <sup>(1)</sup>	\$1,554,729	\$10,503	\$1,565,231	(\$86,790)	\$1,478,441
5	<b>Total Rate Base</b>	<b>\$8,615,028</b>	<b>\$10,503</b>	<b>\$8,625,531</b>	<b>(\$97,198)</b>	<b>\$8,528,333</b>

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

6	Controllable Expenses	\$1,210,114	\$17,768	\$1,227,882	(\$35,000)	\$1,192,882
7	Cost of Power	\$19,519,602	\$122,266	\$19,641,868	(\$1,122,200)	\$18,519,668
8	Working Capital Base	\$20,729,716	\$140,034	\$20,869,750	(\$1,157,200)	\$19,712,551
9	Working Capital Rate % <sup>(1)</sup>	7.50%	0.00%	7.50%	0.00%	7.50%
10	Working Capital Allowance	\$1,554,729	\$10,503	\$1,565,231	(\$86,790)	\$1,478,441

### Notes

(1) Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2017 cost of service applications is 7.5%, per the letter issued by the Board on June 3, 2015.

(2) Average of opening and closing balances for the year.





# Revenue Requirement Workform (RRWF) for 2017 Filers

## Utility Income

Line No.	Particulars	Initial Application	Adjustments	Interrogatory Responses	Adjustments	Per Board Decision
<b>Operating Revenues:</b>						
1	Distribution Revenue (at Proposed Rates)	\$1,774,699	\$13,681	\$1,788,380	(\$44,239)	\$1,744,140
2	Other Revenue <sup>(1)</sup>	\$207,894	\$322	\$208,216	\$6,000	\$214,216
3	<b>Total Operating Revenues</b>	<b>\$1,982,593</b>	<b>\$14,003</b>	<b>\$1,996,596</b>	<b>(\$38,239)</b>	<b>\$1,958,356</b>
<b>Operating Expenses:</b>						
4	OM+A Expenses	\$1,210,114	\$ -	\$1,210,114	(\$35,000)	\$1,175,114
5	Depreciation/Amortization	\$280,878	\$ -	\$280,878	\$190	\$281,068
6	Property taxes	\$ -	\$17,768	\$17,768	\$ -	\$17,768
7	Capital taxes	\$ -	\$ -	\$ -	\$ -	\$ -
8	Other expense	\$ -	\$ -	\$ -	\$ -	\$ -
9	<b>Subtotal (lines 4 to 8)</b>	<b>\$1,490,993</b>	<b>\$17,768</b>	<b>\$1,508,761</b>	<b>(\$34,810)</b>	<b>\$1,473,951</b>
10	Deemed Interest Expense	\$179,324	(\$4,191)	\$175,133	(\$8,284)	\$166,848
11	<b>Total Expenses (lines 9 to 10)</b>	<b>\$1,670,316</b>	<b>\$13,577</b>	<b>\$1,683,893</b>	<b>(\$43,094)</b>	<b>\$1,640,799</b>
12	<b>Utility income before income taxes</b>	<b>\$312,277</b>	<b>\$426</b>	<b>\$312,702</b>	<b>\$4,855</b>	<b>\$317,557</b>
13	Income taxes (grossed-up)	\$9,717	\$57	\$9,774	\$764	\$10,538
14	<b>Utility net income</b>	<b>\$302,560</b>	<b>\$369</b>	<b>\$302,929</b>	<b>\$4,091</b>	<b>\$307,020</b>

### Notes

#### Other Revenues / Revenue Offsets

(1)	Specific Service Charges	\$64,948	\$322	\$65,270	\$ -	\$65,270
	Late Payment Charges	\$29,740	\$ -	\$29,740	\$ -	\$29,740
	Other Distribution Revenue	\$30,777	\$ -	\$30,777	\$ -	\$30,777
	Other Income and Deductions	\$82,429	\$ -	\$82,429	\$6,000	\$88,429
	<b>Total Revenue Offsets</b>	<b>\$207,894</b>	<b>\$322</b>	<b>\$208,216</b>	<b>\$6,000</b>	<b>\$214,216</b>



# Revenue Requirement Workform (RRWF) for 2017 Filers

**Taxes/PILs**

Line No.	Particulars	Application	Interrogatory Responses	Per Board Decision
<b><u>Determination of Taxable Income</u></b>				
1	Utility net income before taxes	\$302,560	\$302,929	\$307,020
2	Adjustments required to arrive at taxable utility income	(\$247,497)	(\$247,497)	(\$247,307)
3	Taxable income	<u>\$55,063</u>	<u>\$55,431</u>	<u>\$59,713</u>
<b><u>Calculation of Utility income Taxes</u></b>				
4	Income taxes	<u>\$8,259</u>	<u>\$8,308</u>	<u>\$8,957</u>
6	Total taxes	<u>\$8,259</u>	<u>\$8,308</u>	<u>\$8,957</u>
7	Gross-up of Income Taxes	<u>\$1,458</u>	<u>\$1,466</u>	<u>\$1,581</u>
8	Grossed-up Income Taxes	<u>\$9,717</u>	<u>\$9,774</u>	<u>\$10,538</u>
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	<u>\$9,717</u>	<u>\$9,774</u>	<u>\$10,538</u>
10	Other tax Credits	\$ -	\$ -	\$ -
<b><u>Tax Rates</u></b>				
11	Federal tax (%)	10.50%	10.50%	10.50%
12	Provincial tax (%)	4.50%	4.50%	4.50%
13	Total tax rate (%)	<u>15.00%</u>	<u>15.00%</u>	<u>15.00%</u>

**Notes**



# Revenue Requirement Workform (RRWF) for 2017 Filers

## Capitalization/Cost of Capital

Line No.	Particulars	Capitalization Ratio		Cost Rate	Return
<b>Initial Application</b>					
		(%)	(\$)	(%)	(\$)
	<b>Debt</b>				
1	Long-term Debt	56.00%	\$4,824,416	3.59%	\$173,259
2	Short-term Debt	4.00%	\$344,601	1.76%	\$6,065
3	<b>Total Debt</b>	<b>60.00%</b>	<b>\$5,169,017</b>	<b>3.47%</b>	<b>\$179,324</b>
	<b>Equity</b>				
4	Common Equity	40.00%	\$3,446,011	8.78%	\$302,560
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	<b>Total Equity</b>	<b>40.00%</b>	<b>\$3,446,011</b>	<b>8.78%</b>	<b>\$302,560</b>
7	<b>Total</b>	<b>100.00%</b>	<b>\$8,615,028</b>	<b>5.59%</b>	<b>\$481,883</b>
<b>Interrogatory Responses</b>					
		(%)	(\$)	(%)	(\$)
	<b>Debt</b>				
1	Long-term Debt	56.00%	\$4,830,297	3.50%	\$169,060
2	Short-term Debt	4.00%	\$345,021	1.76%	\$6,072
3	<b>Total Debt</b>	<b>60.00%</b>	<b>\$5,175,319</b>	<b>3.38%</b>	<b>\$175,133</b>
	<b>Equity</b>				
4	Common Equity	40.00%	\$3,450,212	8.78%	\$302,929
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	<b>Total Equity</b>	<b>40.00%</b>	<b>\$3,450,212</b>	<b>8.78%</b>	<b>\$302,929</b>
7	<b>Total</b>	<b>100.00%</b>	<b>\$8,625,531</b>	<b>5.54%</b>	<b>\$478,061</b>
<b>Per Board Decision</b>					
		(%)	(\$)	(%)	(\$)
	<b>Debt</b>				
8	Long-term Debt	56.00%	\$4,775,867	3.33%	\$159,036
9	Short-term Debt	4.00%	\$341,133	2.29%	\$7,812
10	<b>Total Debt</b>	<b>60.00%</b>	<b>\$5,117,000</b>	<b>3.26%</b>	<b>\$166,848</b>
	<b>Equity</b>				
11	Common Equity	40.00%	\$3,411,333	9.00%	\$307,020
12	Preferred Shares	0.00%	\$ -	0.00%	\$ -
13	<b>Total Equity</b>	<b>40.00%</b>	<b>\$3,411,333</b>	<b>9.00%</b>	<b>\$307,020</b>
14	<b>Total</b>	<b>100.00%</b>	<b>\$8,528,333</b>	<b>5.56%</b>	<b>\$473,868</b>

### Notes



# Revenue Requirement Workform (RRWF) for 2017 Filers

## Revenue Deficiency/Sufficiency

Line No.	Particulars	Initial Application		Interrogatory Responses		Per Board Decision	
		At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1	Revenue Deficiency from Below		\$180,736		\$210,019		\$129,359
2	Distribution Revenue	\$1,611,356	\$1,593,963	\$1,600,090	\$1,578,361	\$1,623,647	\$1,614,781
3	Other Operating Revenue	\$207,894	\$207,894	\$208,216	\$208,216	\$214,216	\$214,216
4	Offsets - net						
4	<b>Total Revenue</b>	<b>\$1,819,250</b>	<b>\$1,982,593</b>	<b>\$1,808,306</b>	<b>\$1,996,596</b>	<b>\$1,837,863</b>	<b>\$1,958,356</b>
5	Operating Expenses	\$1,490,993	\$1,490,993	\$1,508,761	\$1,508,761	\$1,473,951	\$1,473,951
6	Deemed Interest Expense	\$179,324	\$179,324	\$175,133	\$175,133	\$166,848	\$166,848
8	<b>Total Cost and Expenses</b>	<b>\$1,670,316</b>	<b>\$1,670,316</b>	<b>\$1,683,893</b>	<b>\$1,683,893</b>	<b>\$1,640,799</b>	<b>\$1,640,799</b>
9	<b>Utility Income Before Income Taxes</b>	\$148,934	\$312,277	\$124,412	\$312,702	\$197,064	\$317,557
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$247,497)	(\$247,497)	(\$247,497)	(\$247,497)	(\$247,307)	(\$247,307)
11	<b>Taxable Income</b>	<b>(\$98,563)</b>	<b>\$64,779</b>	<b>(\$123,085)</b>	<b>\$65,205</b>	<b>(\$50,243)</b>	<b>\$70,250</b>
12	Income Tax Rate	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%
13	<b>Income Tax on Taxable Income</b>	\$ -	\$9,717	\$ -	\$9,781	\$ -	\$10,537
14	<b>Income Tax Credits</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	<b>Utility Net Income</b>	<b>\$148,934</b>	<b>\$302,560</b>	<b>\$124,412</b>	<b>\$302,929</b>	<b>\$197,064</b>	<b>\$307,020</b>
16	<b>Utility Rate Base</b>	<b>\$8,615,028</b>	<b>\$8,615,028</b>	<b>\$8,625,531</b>	<b>\$8,625,531</b>	<b>\$8,528,333</b>	<b>\$8,528,333</b>
17	Deemed Equity Portion of Rate Base	\$3,446,011	\$3,446,011	\$3,450,212	\$3,450,212	\$3,411,333	\$3,411,333
18	Income/(Equity Portion of Rate Base)	4.32%	8.78%	3.61%	8.78%	5.78%	9.00%
19	Target Return - Equity on Rate Base	8.78%	8.78%	8.78%	8.78%	9.00%	9.00%
20	Deficiency/Sufficiency in Return on Equity	-4.46%	0.00%	-5.17%	0.00%	-3.22%	0.00%
21	Indicated Rate of Return	3.81%	5.59%	3.47%	5.54%	4.27%	5.56%
22	Requested Rate of Return on Rate Base	5.59%	5.59%	5.54%	5.54%	5.56%	5.56%
23	Deficiency/Sufficiency in Rate of Return	-1.78%	0.00%	-2.07%	0.00%	-1.29%	0.00%
24	Target Return on Equity	\$302,560	\$302,560	\$302,929	\$302,929	\$307,020	\$307,020
25	Revenue Deficiency/(Sufficiency)	\$153,626	\$ -	\$178,516	\$ -	\$109,956	(\$0)
26	<b>Gross Revenue Deficiency/(Sufficiency)</b>	<b>\$180,736 <sup>(1)</sup></b>		<b>\$210,019 <sup>(1)</sup></b>		<b>\$129,359 <sup>(1)</sup></b>	

**Notes:**

<sup>(1)</sup> Revenue Deficiency/Sufficiency divided by (1 - Tax Rate)



# Revenue Requirement Workform (RRWF) for 2017 Filers

## Revenue Requirement

Line No.	Particulars	Application	Interrogatory Responses	Per Board Decision
1	OM&A Expenses	\$1,210,114	\$1,210,114	\$1,175,114
2	Amortization/Depreciation	\$280,878	\$280,878	\$281,068
3	Property Taxes	\$ -	\$17,768	\$17,768
5	Income Taxes (Grossed up)	\$9,717	\$9,774	\$10,538
6	Other Expenses	\$ -		
7	Return			
	Deemed Interest Expense	\$179,324	\$175,133	\$166,848
	Return on Deemed Equity	\$302,560	\$302,929	\$307,020
8	<b>Service Revenue Requirement (before Revenues)</b>	<u>\$1,982,593</u>	<u>\$1,996,596</u>	<u>\$1,958,356</u>
9	Revenue Offsets	\$207,894	\$208,216	\$214,216
10	<b>Base Revenue Requirement (excluding Tranformer Owership Allowance credit adjustment)</b>	<u>\$1,774,699</u>	<u>\$1,788,380</u>	<u>\$1,744,140</u>
11	Distribution revenue	\$1,774,699	\$1,788,380	\$1,744,140
12	Other revenue	\$207,894	\$208,216	\$214,216
13	<b>Total revenue</b>	<u>\$1,982,593</u>	<u>\$1,996,596</u>	<u>\$1,958,356</u>
14	<b>Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)</b>	<u>\$ -</u> <sup>(1)</sup>	<u>\$ -</u> <sup>(1)</sup>	<u>(\$0)</u> <sup>(1)</sup>

Summary Table of Revenue Requirement and Revenue Deficiency/Sufficiency

	Application	Interrogatory Responses	Δ% <sup>(2)</sup>	Per Board Decision	Δ% <sup>(2)</sup>
<b>Service Revenue Requirement Grossed-Up Revenue Deficiency/(Sufficiency)</b>	\$1,982,593	\$1,996,596	\$0	\$1,958,356	(\$1)
	\$180,736	\$210,019	\$0	\$129,359	(\$1)
<b>Base Revenue Requirement (to be recovered from Distribution Rates) Revenue Deficiency/(Sufficiency) Associated with Base Revenue Requirement</b>	\$1,774,699	\$1,788,380	\$0	\$1,744,140	(\$1)
	\$163,342	\$188,290	\$0	\$120,493	(\$1)

**Notes**

- (1) Line 11 - Line 8
- (2) Percentage Change Relative to Initial Application

# Revenue Requirement Workform (RRWF) for 2017 Filers

## Load Forecast Summary

This spreadsheet provides a summary of the customer and load forecast on which the test year revenue requirement is derived. The amounts serve as the denominators for deriving the rates to recover the test year revenue requirement for purposes of this RRWF.

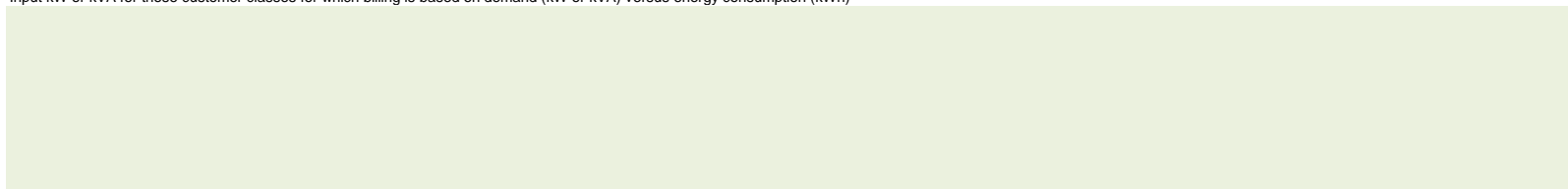
The information to be input is inclusive of any adjustments to kWh and kW to reflect the impacts of CDM programs up to and including CDM programs planned to be executed in the test year. i.e., the load forecast adjustments determined in **Appendix 2-I** should be incorporated into the entries. The inputs should correspond with the summary of the Load Forecast for the Test Year in **Appendix 2-IB** and in Exhibit 3 of the application.

**Appendix 2-IB** is still required to be filled out, as it also provides a year-over-year variance analysis of demand growth and trends from historical actuals to the Bridge and Test Year forecasts.

Stage in Process:		Per Board Decision							
Customer Class	Initial Application	kWh		kW/kVA <sup>(1)</sup>		Per Board Decision	Per Board Decision		
Input the name of each customer class.	Customer / Connections Test Year average or mid-year	Annual	Annual	Test Year average or mid-year	Annual	Annual	Annual		
1 Residential	4,836	48,228,553	-	4,836	47,552,180	-	4,836	50,454,856	-
2 General Service < 50 kW	618	18,143,532	-	618	17,889,082	-	618	17,883,115	-
3 General Service > 50 to 4999 kW	89	81,021,489	211,046	89	79,885,218	212,831	89	85,142,906	221,782
4 Unmetered Scattered Load	10	429,307	-	10	422,721	4	10	432,358	-
5 Sentinel Lighting	57	84,029	238	57	82,740	240	57	84,626	240
6 Street Lighting	1,211	641,942	1,844	1,211	632,094	1,857	1,211	646,505	1,857
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20									
<b>Total</b>		<b>148,548,851</b>	<b>213,128</b>		<b>146,464,034</b>	<b>214,932</b>		<b>154,644,367</b>	<b>223,879</b>

**Notes:**

<sup>(1)</sup> Input kW or kVA for those customer classes for which billing is based on demand (kW or kVA) versus energy consumption (kWh)





# Revenue Requirement Workform (RRWF) for 2017 Filers

## Cost Allocation and Rate Design

This spreadsheet replaces **Appendix 2-P** and provides a summary of the results from the Cost Allocation spreadsheet, and is used in the determination of the class revenue requirement and, hence, ultimately, the determination of rates from customers in all classes to recover the revenue requirement.

Stage in Application Process: *Per Board Decision*

### A) Allocated Costs

Name of Customer Class <sup>(3)</sup>	Costs Allocated from Previous Study <sup>(1)</sup>	%	Allocated Class Revenue Requirement <sup>(1)</sup>	%
<i>From Sheet 10. Load Forecast</i>				
<i>(7A)</i>				
1 Residential	\$ 935,363	58.81%	\$ 1,187,516	60.64%
2 General Service < 50 kW	\$ 227,732	14.32%	\$ 293,420	14.98%
3 General Service > 50 to 4999 kW	\$ 398,722	25.07%	\$ 443,989	22.67%
4 Unmetered Scattered Load	\$ 1,202	0.08%	\$ 3,209	0.16%
5 Sentinel Lighting	\$ 1,333	0.08%	\$ 2,306	0.12%
6 Street Lighting	\$ 26,213	1.65%	\$ 27,915	1.43%
7				
8				
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12				
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16				
17				
18				
19				
20				
<b>Total</b>	<b>\$ 1,590,565</b>	<b>100.00%</b>	<b>\$ 1,958,355</b>	<b>100.00%</b>

**Allocated Revenue Requirement does not match Base Revenue Requirement from Sheet 9. Check data.**

\$ 1,744,140.47

- (1) Class Allocated Revenue Requirement, from Sheet O-1, Revenue to Cost || RR, row 40, from the Cost Allocation Study in this application. This excludes costs in deferral and variance accounts. For Embedded Distributors, Account 4750 - Low Voltage (LV) Costs are also excluded.
- (2) Host Distributors - Provide information on any embedded distributor(s) as a separate class, if applicable. If embedded distributors are billed in a General Service class, include the allocated costs and revenues of the embedded distributor(s) in the applicable class, and also complete Appendix 2-Q.
- (3) Customer Classes - If these differ from those in place in the previous cost allocation study, modify the customer classes to match the proposal in the current application as closely as possible.

**B) Calculated Class Revenues**

	<b>Name of Customer Class</b>	<b>Load Forecast (LF) X current approved rates (7B)</b>	<b>LF X current approved rates X (1+d) (7C)</b>	<b>LF X Proposed Rates (7D)</b>	<b>Miscellaneous Revenues (7E)</b>
1	Residential	\$ 947,893	\$ 1,018,238	\$ 1,017,397	\$ 150,470
2	General Service < 50 kW	\$ 223,727	\$ 240,330	\$ 241,185	\$ 49,657
3	General Service > 50 to 4999 kW	\$ 428,586	\$ 460,392	\$ 460,397	\$ 11,341
4	Unmetered Scattered Load	\$ 2,448	\$ 2,630	\$ 2,627	\$ 296
5	Sentinel Lighting	\$ 1,921	\$ 2,063	\$ 2,065	\$ 187
6	Street Lighting	\$ 19,072	\$ 20,487	\$ 20,469	\$ 2,265
7					
8					
9					
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11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
	<b>Total</b>	\$ 1,623,647	\$ 1,744,140	\$ 1,744,140	\$ 214,216

- (4) In columns 7B to 7D, LF means Load Forecast of Annual Billing Quantities (i.e., customers or connections, as applicable X 12 months, and kWh, kW or kVA as applicable. Revenue quantities should be net of the Transformer Ownership Allowance for applicable customer classes. Exclude revenues from rate adders and rate riders.
- (5) Columns 7C and 7D - Column Total should equal the Base Revenue Requirement for each.
- (6) Column 7C - The OEB-issued cost allocation model calculates "1+d" on worksheet O-1, cell C22. "d" is defined as Revenue Deficiency/Revenue at Current Rates.



(7) Column 7E - If using the OEB-issued cost allocation model, enter Miscellaneous Revenues as it appears on worksheet O-1, row 19,

**C) Rebalancing Revenue-to-Cost Ratios**

	Name of Customer Class	Previously Approved Ratios	Status Quo Ratios	Proposed Ratios	Policy Range
		Most Recent Year:	(7C + 7E) / (7A)	(7D + 7E) / (7A)	
		2014	%	%	
1	Residential	100.00%	98.42%	98.35%	85 - 115
2	General Service < 50 kW	98.00%	98.83%	99.12%	85 - 115
3	General Service > 50 to 4999 kW	100.00%	106.25%	106.25%	80 - 120
4	Unmetered Scattered Load	70.00%	91.19%	91.10%	80 - 120
5	Sentinel Lighting	120.00%	97.58%	97.67%	80 - 120
6	Street Lighting	120.00%	81.50%	81.44%	80 - 120
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20					

(8) Previously Approved Revenue-to-Cost (R/C) Ratios - For most applicants, the most recent year would be the third year (at the latest) of the Price Cap IR period. For example, if the applicant, rebased in 2012 with further adjustments to move within the range over two years, the Most Recent Year would be 2015. However, the ratios in 2015 would be equal to those after the adjustment in 2014.

(9) Status Quo Ratios - The OEB-issued cost allocation model provides the Status Quo Ratios on Worksheet O-1. The Status Quo means "Before Rebalancing".

(10) Ratios shown in red are outside of the allowed range. Applies to both Tables C and D.

**(D) Proposed Revenue-to-Cost Ratios <sup>(11)</sup>**

	Name of Customer Class	Proposed Revenue-to-Cost Ratio			Policy Range
		Test Year	Price Cap IR Period		
		2018	2019	2020	
1	Residential	98.35%	98.35%	98.35%	85 - 115
2	General Service < 50 kW	99.12%	99.12%	99.12%	85 - 115
3	General Service > 50 to 4999 kW	106.25%	106.25%	106.25%	80 - 120
4	Unmetered Scattered Load	91.10%	91.10%	91.10%	80 - 120
5	Sentinel Lighting	97.67%	97.67%	97.67%	80 - 120

6	Street Lighting	81.44%	81.44%	81.44%	80 - 120
7					80 - 120
8					
9					
10					
11					
12					
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16					
17					
18					
19					
20					

(11) The applicant should complete Table D if it is applying for approval of a revenue-to-cost ratio in 2017 that is outside of the OEB's policy range for any customer class. Table D will show that the distributor is likely to enter into the 2018 and 2019 Price Cap IR models, as necessary. For 2018 and 2019, enter the planned revenue-to-cost ratios that will be "Change" or "No Change" in 2017 (in the current Revenue/Cost Ratio Adjustment Workform, Worksheet C1.1 'Decision - Cost Revenue Adjustment, column d), and enter TBD for class(es) that will be entered as 'Rebalance'.



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2017 Filers

## New Rate Design Policy For Residential Customers

Please complete the following tables.

### A Data Inputs (from Sheet 10. Load Forecast)

Test Year Billing Determinants for Residential Class	
Customers	4,836
kWh	50,454,856

Proposed Residential Class Specific Revenue Requirement <sup>1</sup>	\$ 1,017,397.00
--	-----------------

Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	11.90
Distribution Volumetric Rate (\$/kWh)	0.0051

### B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	11.9	4,836	\$ 690,573.46	72.85%
Variable	0.0051	50,454,856	\$ 257,319.77	27.15%
<b>TOTAL</b>	-	-	\$ 947,893.23	-

### C Calculating Test Year Base Rates

Number of Remaining Rate Design Policy Transition Years <sup>2</sup>	2
--	---

	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 741,209.40	12.77	\$ 741,060.77
Variable	\$ 276,187.60	0.0055	\$ 277,501.71
<b>TOTAL</b>	\$ 1,017,397.00	-	\$ 1,018,562.48

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Revenue Reconciliation @ Adjusted Rates
Fixed	86.43%	\$ 879,303.20	15.15	\$ 879,175.46
Variable	13.57%	\$ 138,093.80	0.0027	\$ 136,228.11
<b>TOTAL</b>	-	\$ 1,017,397.00	-	\$ 1,015,403.57

Checks <sup>3</sup>	
Change in Fixed Rate	\$ 2.38
Difference Between Revenues @ Proposed Rates and Class Specific	(\$1,993)
	-0.20%

### Notes:

- <sup>1</sup> The final residential class specific revenue requirement, excluding allocated Miscellaneous Revenues, as shown on Sheet 11. Cost Allocation, should be used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- <sup>2</sup> The distributor should enter the number of years remaining before the transition to fully fixed rates is completed. A distributor transitioning to fully fixed rates over a four year period and began the transition in 2016 would input the number "3" into cell D40. A distributor transitioning over a five-year period would input the number "4". Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- <sup>3</sup> Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)



# Revenue Requirement Workform (RRWF) for 2017 Filers

### Tracking Form

The first row shown, labelled "Original Application", summarizes key statistics based on the data inputs into the RRWF. After the original application filing, the applicant provides key changes in capital and operating expenses, load forecasts, cost of capital, etc., as revised through the processing of the application. This could be due to revisions or responses to interrogatories. The last row shown is the most current estimate of the cost of service data reflecting the original application and any updates provided by the applicant distributor (for updated evidence, responses to interrogatories, undertakings, etc.)

Please ensure a Reference (Column B) and/or Item Description (Column C) is entered. Please note that unused rows will automatically be hidden and the PRINT AREA set when the PRINT BUTTON on Sheet 1 is activated.

<sup>(1)</sup> Short reference to evidence material (interrogatory response, undertaking, exhibit number, Board Decision, Code, Guideline, Report of the Board, etc.)

<sup>(2)</sup> Short description of change, issue, etc.

### Summary of Proposed Changes

Reference <sup>(1)</sup>	Item / Description <sup>(2)</sup>	Cost of Capital		Rate Base and Capital Expenditures			Operating Expenses			Revenue Requirement			
		Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Base Revenue Requirement	Grossed up Revenue Deficiency / Sufficiency
	Original Application	\$ 481,883	5.59%	\$ 8,615,028	\$ 20,729,716	\$ 1,554,729	\$ 280,878	\$ 9,717	\$ 1,210,114	\$ 1,982,593	\$ 207,894	\$ 1,774,699	\$ 180,736
1 3-VECC-16	Correction of HDD/CDD formula (avg)	\$ 481,992	5.59%	\$ 8,616,977	\$ 20,755,691	\$ 1,556,677	\$ 280,878	\$ 9,729	\$ 1,210,114	\$ 1,982,714	\$ 207,894	\$ 1,774,820	\$ 179,615

## **B. Bill Impacts**



Add additional scenarios if required								
Add additional scenarios if required								



**Table 2**

	RATE CLASSES / CATEGORIES <i>(eg: Residential TOU, Residential Retailer)</i>	Units	Sub-Total						Total	
			A		B		C		A + B + C	
			\$	%	\$	%	\$	%	\$	%
1	RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	\$ (20.78)	-125.8%	\$ (23.00)	-112.9%	\$ (22.47)	-77.7%	\$ (24.44)	-24.6%
2	GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION - RPP	kWh	\$ (2.39)	-8.4%	\$ (9.73)	-25.2%	\$ (8.53)	-14.4%	\$ (11.19)	-4.3%
3	GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION - Non-RPP (Retailer)	kW	\$ (189.50)	-32.0%	\$ (444.22)	-68.3%	\$ (381.41)	-23.7%	\$ (478.02)	-9.0%
4	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$ (6.31)	-25.7%	\$ (25.41)	-46.4%	\$ (22.65)	-22.2%	\$ (31.14)	-4.1%
5	SENTINEL LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kWh	\$ (84.11)	-16.0%	\$ (102.18)	-17.9%	\$ (102.18)	-17.9%	\$ (115.66)	-17.4%
6	STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kWh	\$ (9,517.65)	-10.6%	\$ (29,757.15)	-32.0%	\$ (29,757.15)	-32.0%	\$ (33,649.63)	-31.4%
7	RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$ (20.78)	-125.8%	\$ (20.14)	-93.6%	\$ (20.14)	-93.6%	\$ (21.99)	-19.4%
8	RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	\$ (19.68)	-137.8%	\$ (20.00)	-125.8%	\$ (20.00)	-125.8%	\$ (21.35)	-46.8%
9	RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$ (19.68)	-137.8%	\$ (18.81)	-114.9%	\$ (18.81)	-114.9%	\$ (20.10)	-36.5%
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Customer Class:	<b>RESIDENTIAL SERVICE CLASSIFICATION</b>		
RPP / Non-RPP:	RPP		
Consumption	750	kWh	
Demand	-	kW	
Current Loss Factor	1.0541		
Proposed/Approved Loss Factor	1.0509		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 11.90	1	\$ 11.90	\$ 15.15	1	\$ 15.15	\$ 3.25	27.31%
Distribution Volumetric Rate	\$ 0.0051	750	\$ 3.83	\$ 0.0027	750	\$ 2.03	\$ (1.80)	-47.06%
Fixed Rate Riders	\$ 0.79	1	\$ 0.79	\$ (21.36)	1	\$ (21.36)	\$ (22.15)	-2803.80%
Volumetric Rate Riders	\$ -	750	\$ -	\$ 0.0001	750	\$ (0.08)	\$ (0.08)	
<b>Sub-Total A (excluding pass through)</b>			\$ 16.52			\$ (4.26)	\$ (20.78)	-125.79%
Line Losses on Cost of Power	\$ 0.0822	41	\$ 3.33	\$ 0.0822	38	\$ 3.14	\$ (0.20)	-5.91%
Total Deferral/Variance Account Rate Riders	\$ -	750	\$ -	\$ 0.0048	750	\$ (3.60)	\$ (3.60)	
GA Rate Riders	\$ 0	750	\$ -	\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0007	750	\$ 0.53	\$ 0.0014	750	\$ 1.05	\$ 0.53	100.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ 1.0478	1	\$ 1.05	\$ 1.05	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 20.37			\$ (2.63)	\$ (23.00)	-112.89%
RTSR - Network	\$ 0.0072	791	\$ 5.69	\$ 0.0074	788	\$ 5.83	\$ 0.14	2.47%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0036	791	\$ 2.85	\$ 0.0041	788	\$ 3.23	\$ 0.39	13.54%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 28.91			\$ 6.44	\$ (22.47)	-77.73%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	791	\$ 2.85	\$ 0.0036	788	\$ 2.84	\$ (0.01)	-0.30%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	791	\$ 1.03	\$ 0.0003	788	\$ 0.24	\$ (0.79)	-76.99%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)								
TOU - Off Peak	\$ 0.0650	488	\$ 31.69	\$ 0.0650	488	\$ 31.69	\$ -	0.00%
TOU - Mid Peak	\$ 0.0950	128	\$ 12.11	\$ 0.0950	128	\$ 12.11	\$ -	0.00%
TOU - On Peak	\$ 0.1320	135	\$ 17.82	\$ 0.1320	135	\$ 17.82	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 94.66			\$ 71.38	\$ (23.27)	-24.59%
HST		13%	\$ 12.31		13%	\$ 9.28	\$ (3.03)	-24.59%
8% Rebate		8%	\$ (7.57)		8%	\$ (5.71)	\$ 1.86	
<b>Total Bill on TOU</b>			\$ 99.39			\$ 74.95	\$ (24.44)	-24.59%

Customer Class:	GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	2,000	kWh
Demand	-	kW
Current Loss Factor	1.0541	
Proposed/Approved Loss Factor	1.0509	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 15.47	1	\$ 15.47	\$ 15.47	1	\$ 15.47	\$ -	0.00%
Distribution Volumetric Rate	\$ 0.0061	2000	\$ 12.20	\$ 0.0071	2000	\$ 14.20	\$ 2.00	16.39%
Fixed Rate Riders	\$ 0.79	1	\$ 0.79	\$ -	1	\$ -	\$ (0.79)	-100.00%
Volumetric Rate Riders	\$ -	2000	\$ -	\$ 0.0018	2000	\$ (3.60)	\$ (3.60)	
<b>Sub-Total A (excluding pass through)</b>			\$ 28.46			\$ 26.07	\$ (2.39)	<b>-8.40%</b>
Line Losses on Cost of Power	\$ 0.0822	108	\$ 8.89	\$ 0.0822	102	\$ 8.36	\$ (0.53)	-5.91%
Total Deferral/Variance Account Rate Riders	\$ -	2,000	\$ -	\$ 0.0045	2,000	\$ (9.00)	\$ (9.00)	
GA Rate Riders	\$ 0	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0006	2,000	\$ 1.20	\$ 0.0013	2,000	\$ 2.60	\$ 1.40	116.67%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ 0.7900	1	\$ 0.79	\$ 0.79	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 38.55			\$ 28.82	\$ (9.73)	<b>-25.23%</b>
RTSR - Network	\$ 0.0066	2,108	\$ 13.91	\$ 0.0068	2,102	\$ 14.29	\$ 0.38	2.72%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0032	2,108	\$ 6.75	\$ 0.0036	2,102	\$ 7.57	\$ 0.82	12.16%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 59.21			\$ 50.68	\$ (8.53)	<b>-14.40%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,108	\$ 7.59	\$ 0.0036	2,102	\$ 7.57	\$ (0.02)	-0.30%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2,108	\$ 2.74	\$ 0.0003	2,102	\$ 0.63	\$ (2.11)	-76.99%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	2,000	\$ 14.00	\$ 0.0070	2,000	\$ 14.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0650	1,300	\$ 84.50	\$ 0.0650	1,300	\$ 84.50	\$ -	0.00%
TOU - Mid Peak	\$ 0.0950	340	\$ 32.30	\$ 0.0950	340	\$ 32.30	\$ -	0.00%
TOU - On Peak	\$ 0.1320	360	\$ 47.52	\$ 0.1320	360	\$ 47.52	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 248.11			\$ 237.45	\$ (10.66)	<b>-4.30%</b>
HST		13%	\$ 32.25		13%	\$ 30.87	\$ (1.39)	-4.30%
8% Rebate		8%	\$ (19.85)		8%	\$ (19.00)	\$ 0.85	
<b>Total Bill on TOU</b>			\$ 260.52			\$ 249.32	\$ (11.19)	<b>-4.30%</b>

Customer Class:	GENERAL SERVICE 50 TO 4.999 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	24,000	kWh
Demand	240	kW
Current Loss Factor	1.0541	
Proposed/Approved Loss Factor	1.0509	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 100.99	1	\$ 100.99	\$ 100.99	1	\$ 100.99	\$ -	0.00%
Distribution Volumetric Rate	\$ 2.0470	240	\$ 491.28	\$ 2.1023	240	\$ 504.55	\$ 13.27	2.70%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	240	\$ -	\$ 0.8449	240	\$ (202.78)	\$ (202.78)	
<b>Sub-Total A (excluding pass through)</b>			\$ 592.27			\$ 402.77	\$ (189.50)	-32.00%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ -	240	\$ -	\$ 1.7278	240	\$ (414.67)	\$ (414.67)	
GA Rate Riders	\$ 0	24,000	\$ -	\$ 0.0039	24,000	\$ 93.60	\$ 93.60	
Low Voltage Service Charge	\$ 0.2419	240	\$ 58.06	\$ 0.5184	240	\$ 124.42	\$ 66.36	114.30%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 650.33			\$ 206.11	\$ (444.22)	-68.31%
RTSR - Network	\$ 2.6887	240	\$ 645.29	\$ 2.7786	240	\$ 666.86	\$ 21.58	3.34%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.3018	240	\$ 312.43	\$ 1.4736	240	\$ 353.66	\$ 41.23	13.20%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 1,608.05			\$ 1,226.64	\$ (381.41)	-23.72%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	25,298	\$ 91.07	\$ 0.0032	25,222	\$ 80.71	\$ (10.37)	-11.38%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	25,298	\$ 32.89	\$ 0.0004	25,222	\$ 10.09	\$ (22.80)	-69.32%
Standard Supply Service Charge	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Debt Retirement Charge (DRC)	\$ 0.0070	24,000	\$ 168.00	\$ 0.0070	24,000	\$ 168.00	\$ -	0.00%
Non-RPP Retailer Avg. Price	\$ 0.1101	25,298	\$ 2,785.35	\$ 0.1101	25,222	\$ 2,776.90	\$ (8.46)	-0.30%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 4,685.36			\$ 4,262.33	\$ (423.03)	-9.03%
HST	13%		\$ 609.10	13%		\$ 554.10	\$ (54.99)	-9.03%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 5,294.46			\$ 4,816.44	\$ (478.02)	-9.03%

Customer Class:	<b>UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION</b>	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	4,600	kWh
Demand	-	kW
Current Loss Factor	1.0541	
Proposed/Approved Loss Factor	1.0509	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6.63	1	\$ 6.63	\$ 7.12	1	\$ 7.12	\$ 0.49	7.39%
Distribution Volumetric Rate	\$ 0.0039	4600	\$ 17.94	\$ 0.0042	4600	\$ 19.32	\$ 1.38	7.69%
Fixed Rate Riders	\$ -	1	\$ -	\$ 0.10	1	\$ 0.10	\$ 0.10	
Volumetric Rate Riders	\$ -	4600	\$ -	\$ 0.0018	4600	\$ (8.28)	\$ (8.28)	
<b>Sub-Total A (excluding pass through)</b>			\$ 24.57			\$ 18.26	\$ (6.31)	-25.68%
Line Losses on Cost of Power	\$ 0.1101	249	\$ 27.40	\$ 0.1101	234	\$ 25.78	\$ (1.62)	-5.91%
Total Deferral/Variance Account Rate Riders	\$ -	4,600	\$ -	\$ 0.0045	4,600	\$ (20.70)	\$ (20.70)	
GA Rate Riders	\$ 0	4,600	\$ -	\$ -	4,600	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0006	4,600	\$ 2.76	\$ 0.0013	4,600	\$ 5.98	\$ 3.22	116.67%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 54.73			\$ 29.32	\$ (25.41)	-46.43%
RTSR - Network	\$ 0.0066	4,849	\$ 32.00	\$ 0.0068	4,834	\$ 32.87	\$ 0.87	2.72%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0032	4,849	\$ 15.52	\$ 0.0036	4,834	\$ 17.40	\$ 1.89	12.16%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 102.25			\$ 79.59	\$ (22.65)	-22.16%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	4,849	\$ 17.46	\$ 0.0036	4,834	\$ 17.40	\$ (0.05)	-0.30%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	4,849	\$ 6.30	\$ 0.0003	4,834	\$ 1.45	\$ (4.85)	-76.99%
Standard Supply Service Charge	\$ -		\$ -	\$ -		\$ -	\$ -	
Debt Retirement Charge (DRC)	\$ 0.0070	4,600	\$ 32.20	\$ 0.0070	4,600	\$ 32.20	\$ -	0.00%
Non-RPP Retailer Avg. Price	\$ 0.1101	4,600	\$ 506.46	\$ 0.1101	4,600	\$ 506.46	\$ -	0.00%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 664.67			\$ 637.11	\$ (27.56)	-4.15%
HST	13%		\$ 86.41	13%		\$ 82.82	\$ (3.58)	-4.15%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 751.07			\$ 719.93	\$ (31.14)	-4.15%

Customer Class:	SENTINEL LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	123	kWh
Demand	-	kW
Current Loss Factor	1.0541	
Proposed/Approved Loss Factor	1.0509	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 1.66	72	\$ 119.52	\$ 1.66	72	\$ 119.52	\$ -	0.00%
Distribution Volumetric Rate	\$ 3.2940	123	\$ 405.16	\$ 3.8960	123	\$ 479.21	\$ 74.05	18.28%
Fixed Rate Riders	\$ -	72	\$ -	\$ -	72	\$ -	\$ -	
Volumetric Rate Riders	\$ -	123	\$ -	\$ -1.2858	123	\$ (158.15)	\$ (158.15)	
<b>Sub-Total A (excluding pass through)</b>			\$ 524.68			\$ 440.57	\$ (84.11)	-16.03%
Line Losses on Cost of Power	\$ 0.1101	7	\$ 0.73	\$ 0.1101	6	\$ 0.69	\$ (0.04)	-5.91%
Total Deferral/Variance Account Rate Riders	\$ -	123	\$ -	\$ -1.5870	123	\$ (195.20)	\$ (195.20)	
GA Rate Riders	\$ 0	123	\$ -	\$ 0.0039	123	\$ 0.48	\$ 0.48	
Low Voltage Service Charge	\$ 0.3818	123	\$ 46.96	\$ 1.8183	123	\$ 223.65	\$ 176.69	376.24%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 572.38			\$ 470.19	\$ (102.18)	-17.85%
RTSR - Network	\$ -	130	\$ -	\$ -	129	\$ -	\$ -	
RTSR - Connection and/or Line and Transformation Connection	\$ -	130	\$ -	\$ -	129	\$ -	\$ -	
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 572.38			\$ 470.19	\$ (102.18)	-17.85%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	130	\$ 0.47	\$ 0.0032	129	\$ 0.41	\$ (0.05)	-11.38%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	130	\$ 0.17	\$ 0.0004	129	\$ 0.05	\$ (0.12)	-69.32%
Standard Supply Service Charge	\$ -		\$ -	\$ -		\$ -	\$ -	
Debt Retirement Charge (DRC)	\$ 0.0070	123	\$ 0.86	\$ 0.0070	123	\$ 0.86	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	123	\$ 13.54	\$ 0.1101	123	\$ 13.54	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 587.41			\$ 485.06	\$ (102.35)	-17.42%
HST	13%		\$ 76.36	13%		\$ 63.06	\$ (13.31)	-17.42%
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 663.78			\$ 548.12	\$ (115.66)	-17.42%

Customer Class:	<b>STREET LIGHTING SERVICE CLASSIFICATION</b>	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	15,000	kWh
Demand	-	kW
Current Loss Factor	1.0541	
Proposed/Approved Loss Factor	1.0509	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 0.55	1197	\$ 658.35	\$ 0.59	1197	\$ 706.23	\$ 47.88	7.27%
Distribution Volumetric Rate	\$ 5.9651	15000	\$ 89,476.50	\$ 6.4020	15000	\$ 96,030.00	\$ 6,553.50	7.32%
Fixed Rate Riders	\$ -	1197	\$ -	\$ 0.01	1197	\$ 11.97	\$ 11.97	
Volumetric Rate Riders	\$ -	15000	\$ -	\$ 1.0754	15000	\$ (16,131.00)	\$ (16,131.00)	
<b>Sub-Total A (excluding pass through)</b>			\$ 90,134.85			\$ 80,617.20	\$ (9,517.65)	-10.56%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ -	15,000	\$ -	\$ 1.5669	15,000	\$ (23,503.50)	\$ (23,503.50)	
GA Rate Riders	\$ 0	15,000	\$ -	\$ 0.0039	15,000	\$ 58.50	\$ 58.50	
Low Voltage Service Charge	\$ 0.1870	15,000	\$ 2,805.00	\$ 0.4007	15,000	\$ 6,010.50	\$ 3,205.50	114.28%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 92,939.85			\$ 63,182.70	\$ (29,757.15)	-32.02%
RTSR - Network	\$ -	15,812	\$ -	\$ -	15,764	\$ -	\$ -	
RTSR - Connection and/or Line and Transformation Connection	\$ -	15,812	\$ -	\$ -	15,764	\$ -	\$ -	
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 92,939.85			\$ 63,182.70	\$ (29,757.15)	-32.02%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	15,812	\$ 56.92	\$ 0.0036	15,764	\$ 56.75	\$ (0.17)	-0.30%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	15,812	\$ 20.55	\$ 0.0003	15,764	\$ 4.73	\$ (15.83)	-76.99%
Standard Supply Service Charge	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Debt Retirement Charge (DRC)	\$ 0.0070	15,000	\$ 105.00	\$ 0.0070	15,000	\$ 105.00	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	15,812	\$ 1,740.85	\$ 0.1101	15,764	\$ 1,735.56	\$ (5.28)	-0.30%
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 94,863.17			\$ 65,084.74	\$ (29,778.43)	-31.39%
HST	13%		\$ 12,332.21	13%		\$ 8,461.02	\$ (3,871.20)	-31.39%
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 107,195.38			\$ 73,545.76	\$ (33,649.63)	-31.39%

Customer Class:	<b>RESIDENTIAL SERVICE CLASSIFICATION</b>	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0541	
Proposed/Approved Loss Factor	1.0509	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 11.90	1	\$ 11.90	\$ 15.15	1	\$ 15.15	\$ 3.25	27.31%
Distribution Volumetric Rate	\$ 0.0051	750	\$ 3.83	\$ 0.0027	750	\$ 2.03	\$ (1.80)	-47.06%
Fixed Rate Riders	\$ 0.79	1	\$ 0.79	\$ (21.36)	1	\$ (21.36)	\$ (22.15)	-2803.80%
Volumetric Rate Riders	\$ -	750	\$ -	\$ 0.0001	750	\$ (0.08)	\$ (0.08)	
<b>Sub-Total A (excluding pass through)</b>			\$ 16.52			\$ (4.26)	\$ (20.78)	-125.79%
Line Losses on Cost of Power	\$ 0.1101	41	\$ 4.47	\$ 0.1101	38	\$ 4.20	\$ (0.26)	-5.91%
Total Deferral/Variance Account Rate Riders	\$ -	750	\$ -	\$ 0.0048	750	\$ (3.60)	\$ (3.60)	
GA Rate Riders	\$ 0	750	\$ -	\$ 0.0039	750	\$ 2.93	\$ 2.93	100.00%
Low Voltage Service Charge	\$ 0.0007	750	\$ 0.53	\$ 0.0014	750	\$ 1.05	\$ 0.53	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ 1.0478	1	\$ 1.05	\$ 1.05	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 21.51			\$ 1.37	\$ (20.14)	-93.65%
RTSR - Network	\$ -	791	\$ -	\$ -	788	\$ -	\$ -	
RTSR - Connection and/or Line and Transformation Connection	\$ -	791	\$ -	\$ -	788	\$ -	\$ -	
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 21.51			\$ 1.37	\$ (20.14)	-93.65%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	791	\$ 2.85	\$ 0.0036	788	\$ 2.84	\$ (0.01)	-0.30%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	791	\$ 1.03	\$ 0.0003	788	\$ 0.24	\$ (0.79)	-76.99%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)								
Non-RPP Retailer Avg. Price	\$ 0.1101	750	\$ 82.58	\$ 0.1101	750	\$ 82.58	\$ -	0.00%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 107.96			\$ 87.01	\$ (20.94)	-19.40%
HST	13%		\$ 14.03	13%		\$ 11.31	\$ (2.72)	-19.40%
8% Rebate	8%		\$ (8.64)	8%		\$ (6.96)		
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 113.35			\$ 91.37	\$ (21.99)	-19.40%



Customer Class:	<b>RESIDENTIAL SERVICE CLASSIFICATION</b>		
RPP / Non-RPP:	RPP		
Consumption	313	kWh	
Demand	-	kW	
Current Loss Factor	1.0541		
Proposed/Approved Loss Factor	1.0509		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 11.90	1	\$ 11.90	\$ 15.15	1	\$ 15.15	\$ 3.25	27.31%
Distribution Volumetric Rate	\$ 0.0051	313	\$ 1.60	\$ 0.0027	313	\$ 0.85	\$ (0.75)	-47.06%
Fixed Rate Riders	\$ 0.79	1	\$ 0.79	\$ (21.36)	1	\$ (21.36)	\$ (22.15)	-2803.80%
Volumetric Rate Riders	\$ -	313	\$ -	\$ 0.0001	313	\$ (0.03)	\$ (0.03)	
<b>Sub-Total A (excluding pass through)</b>			\$ 14.29			\$ (5.40)	\$ (19.68)	-137.77%
Line Losses on Cost of Power	\$ 0.0822	17	\$ 1.39	\$ 0.0822	16	\$ 1.31	\$ (0.08)	-5.91%
Total Deferral/Variance Account Rate Riders	\$ -	313	\$ -	\$ 0.0048	313	\$ (1.50)	\$ (1.50)	
GA Rate Riders	\$ 0	313	\$ -	\$ -	313	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0007	313	\$ 0.22	\$ 0.0014	313	\$ 0.44	\$ 0.22	100.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ 1.0478	1	\$ 1.05	\$ 1.05	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 15.90			\$ (4.10)	\$ (20.00)	-125.81%
RTSR - Network	\$ -	330	\$ -	\$ -	329	\$ -	\$ -	
RTSR - Connection and/or Line and Transformation Connection	\$ -	330	\$ -	\$ -	329	\$ -	\$ -	
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 15.90			\$ (4.10)	\$ (20.00)	-125.81%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	330	\$ 1.19	\$ 0.0036	329	\$ 1.18	\$ (0.00)	-0.30%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	330	\$ 0.43	\$ 0.0003	329	\$ 0.10	\$ (0.33)	-76.99%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)								
TOU - Off Peak	\$ 0.0650	203	\$ 13.22	\$ 0.0650	203	\$ 13.22	\$ -	0.00%
TOU - Mid Peak	\$ 0.0950	53	\$ 5.05	\$ 0.0950	53	\$ 5.05	\$ -	0.00%
TOU - On Peak	\$ 0.1320	56	\$ 7.44	\$ 0.1320	56	\$ 7.44	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 43.48			\$ 23.15	\$ (20.33)	-46.77%
HST		13%	\$ 5.65		13%	\$ 3.01	\$ (2.64)	-46.77%
8% Rebate		8%	\$ (3.48)		8%	\$ (1.85)	\$ 1.63	
<b>Total Bill on TOU</b>			\$ 45.65			\$ 24.30	\$ (21.35)	-46.77%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	313	kWh
Demand	-	kW
Current Loss Factor	1.0541	
Proposed/Approved Loss Factor	1.0509	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 11.90	1	\$ 11.90	\$ 15.15	1	\$ 15.15	\$ 3.25	27.31%
Distribution Volumetric Rate	\$ 0.0051	313	\$ 1.60	\$ 0.0027	313	\$ 0.85	\$ (0.75)	-47.06%
Fixed Rate Riders	\$ 0.79	1	\$ 0.79	\$ (21.36)	1	\$ (21.36)	\$ (22.15)	-2803.80%
Volumetric Rate Riders	\$ -	313	\$ -	\$ 0.0001	313	\$ (0.03)	\$ (0.03)	
<b>Sub-Total A (excluding pass through)</b>			\$ 14.29			\$ (5.40)	\$ (19.68)	-137.77%
Line Losses on Cost of Power	\$ 0.1101	17	\$ 1.86	\$ 0.1101	16	\$ 1.75	\$ (0.11)	-5.91%
Total Deferral/Variance Account Rate Riders	\$ -	313	\$ -	\$ 0.0048	313	\$ (1.50)	\$ (1.50)	
GA Rate Riders	\$ 0	313	\$ -	\$ 0.0039	313	\$ 1.22	\$ 1.22	
Low Voltage Service Charge	\$ 0.0007	313	\$ 0.22	\$ 0.0014	313	\$ 0.44	\$ 0.22	100.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ 1.0478	1	\$ 1.05	\$ 1.05	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 16.37			\$ (2.44)	\$ (18.81)	-114.89%
RTSR - Network	\$ -	330	\$ -	\$ -	329	\$ -	\$ -	
RTSR - Connection and/or Line and Transformation Connection	\$ -	330	\$ -	\$ -	329	\$ -	\$ -	
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 16.37			\$ (2.44)	\$ (18.81)	-114.89%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	330	\$ 1.19	\$ 0.0036	329	\$ 1.18	\$ (0.00)	-0.30%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	330	\$ 0.43	\$ 0.0003	329	\$ 0.10	\$ (0.33)	-76.99%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)								
Non-RPP Retailer Avg. Price	\$ 0.1101	313	\$ 34.46	\$ 0.1101	313	\$ 34.46	\$ -	0.00%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 52.45			\$ 33.31	\$ (19.14)	-36.50%
HST	13%		\$ 6.82	13%		\$ 4.33	\$ (2.49)	-36.50%
8% Rebate	8%		\$ (4.20)	8%		\$ (2.66)		
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 55.07			\$ 34.97	\$ (20.10)	-36.50%

## **C. Tariff Sheet**

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

Effective Date January 1, 2018

Implementation Date March 1, 2018

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

EB-2017-0048

### RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to customers residing in residential dwelling units. Energy is generally supplied as single phase, 3-wire, 60-Hertz, having nominal voltage of 120/240 Volts and up to 400 amps. There shall be only one delivery point to a dwelling. The Basic Connection for Residential consumers is defined as 100 amp 120/240 volt overhead service. A Residential building is supplied at one service voltage per land parcel. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	15.15
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts - effective until February 28, 2019	\$	0.26
Rate Rider for Disposition of Station Refund - effective until March 31, 2018	\$	(21.60)
Rate Rider for Recovery of Foregone Revenue - effective until December 31, 2018	\$	0.24
Distribution Volumetric Rate	\$/kWh	0.0027
Low Voltage Service Rate	\$/kWh	0.0014
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until February 28, 2019 - Applicable only for Non-RPP Customers	\$/kWh	0.0039
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until February 28, 2019	\$/kWh	0.0034
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until February 28, 2019 - Applicable only for Non-Wholesale Market Participants	\$/kWh	(0.0082)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until February 28, 2019	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0074
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0041

### MONTHLY RATES AND CHARGES - Regulatory Component

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

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

Effective Date January 1, 2018

Implementation Date March 1, 2018

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

EB-2017-0048

### GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to a non residential account whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW, and Town Houses and Condominiums that require centralized bulk metering. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the

#### APPLICATION

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

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

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

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

#### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	15.47
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0071
Rate Rider for Recovery of Foregone Revenue - effective until December 31, 2018	\$/kWh	0.0002
Low Voltage Service Rate	\$/kWh	0.0013
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until February 28, 2019 - Applicable only for Non-RPP Customers	\$/kWh	0.0039
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until February 28, 2019	\$/kWh	0.0034
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until February 28, 2019 - Applicable only for Non-Wholesale Market Participants	\$/kWh	(0.0082)
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts - effective until February 28, 2019	\$/kWh	0.0003
Rate Rider for Disposition of Station Refund - effective until February 28, 2019	\$/kWh	(0.0018)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until February 28, 2019	\$/kWh	0.0021
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0036

#### MONTHLY RATES AND CHARGES - Regulatory Component

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

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

Effective Date January 1, 2018

Implementation Date March 1, 2018

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

EB-2017-0048

### 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. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply:

General Service 50 to 500 kW non-interval metered

General Service 50 to 500 kW interval metered

General Service greater than 500 to 5,000 kW interval metered. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

#### APPLICATION

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

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

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

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

#### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	100.99
Distribution Volumetric Rate	\$/kW	2.1023
Rate Rider for Recovery of Foregone Revenue - effective until December 31, 2018	\$/kW	0.0111
Low Voltage Service Rate	\$/kW	0.5184
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until February 28, 2019 - Applicable only for Non-RPP Customers	\$/kWh	0.0039
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until February 28, 2019	\$/kW	1.3106
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until February 28, 2019 - Applicable only for Non-Wholesale Market Participants	\$/kW	(3.1528)
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts - effective until February 28, 2019	\$/kW	0.1144
Rate Rider for Disposition of Station Refund - effective until February 28, 2019	\$/kW	(0.7508)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until February 28, 2019	\$/kW	(0.1052)
Retail Transmission Rate - Network Service Rate	\$/kW	2.7786
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4736

**Hydro Hawkesbury Inc.**  
**TARIFF OF RATES AND CHARGES**

**Effective Date January 1, 2018**

**Implementation Date March 1, 2018**

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

**EB-2017-0048**

**MONTHLY RATES AND CHARGES - Regulatory Component**

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

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

Effective Date January 1, 2018

Implementation Date March 1, 2018

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

EB-2017-0048

### 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 the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

#### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per customer)	\$	7.12
Rate Rider for Recovery of Foregone Revenue - effective until December 31, 2018	\$	0.10
Distribution Volumetric Rate	\$/kWh	0.0042
Rate Rider for Recovery of Foregone Revenue - effective until December 31, 2018	\$/kWh	0.0001
Low Voltage Service Rate	\$/kWh	0.0013
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until February 28, 2019	\$/kWh	0.0034
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until February 28, 2019 - Applicable only for Non-Wholesale Market Participants	\$/kWh	(0.0082)
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts - effective until February 28, 2019	\$/kWh	0.0003
Rate Rider for Disposition of Station Refund - effective until February 28, 2019	\$/kWh	(0.0018)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until February 28, 2019	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0036

#### MONTHLY RATES AND CHARGES - Regulatory Component

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



**Hydro Hawkesbury Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date January 1, 2018**  
**Implementation Date March 1, 2018**  
**This schedule supersedes and replaces all previously**  
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EB-2017-0048

**SENTINEL LIGHTING SERVICE CLASSIFICATION**

This classification refers to privately owned roadway lighting controlled by photo cells. Consumption is based on calculated connected load times the required lighting hours. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

**APPLICATION**

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

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

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

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

**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge (per connection)	\$	1.66
Distribution Volumetric Rate	\$/kW	3.8961
Rate Rider for Recovery of Foregone Revenue - effective until December 31, 2018	\$/kW	0.1204
Low Voltage Service Rate	\$/kW	0.8183
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until February 28, 2019 - Applicable only for Non-RPP Customers	\$/kWh	0.0039
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until February 28, 2019	\$/kW	1.2037
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until February 28, 2019 - Applicable only for Non-Wholesale Market Participants	\$/kW	(2.8958)
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts - effective until February 28, 2019	\$/kW	0.1051
Rate Rider for Disposition of Station Refund - effective until February 28, 2019	\$/kW	(1.1852)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until February 28, 2019	\$/kW	(0.2210)
Retail Transmission Rate - Network Service Rate	\$/kW	2.0963
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3260

**MONTHLY RATES AND CHARGES - Regulatory Component**

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

**Hydro Hawkesbury Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date January 1, 2018**  
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EB-2017-0048

## STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to municipal lighting, Ministry of Transportation operation controlled by photo cells. Consumption is as per Ontario Energy Board street lighting load shape. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

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### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	0.59
Rate Rider for Recovery of Foregone Revenue - effective until December 31, 2018	\$	0.01
Distribution Volumetric Rate	\$/kW	6.4020
Rate Rider for Recovery of Foregone Revenue - effective until December 31, 2018	\$/kW	0.0874
Low Voltage Service Rate	\$/kW	0.4007
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until February 28, 2019 - Applicable only for Non-RPP Customers	\$/kWh	0.0039
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until February 28, 2019	\$/kW	1.1885
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until February 28, 2019 - Applicable only for Non-Wholesale Market Participants	\$/kW	(2.8592)
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts - effective until February 28, 2019	\$/kW	0.1038
Rate Rider for Disposition of Station Refund - effective until February 28, 2019	\$/kW	(0.5804)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until February 28, 2019	\$/kW	(0.5824)
Retail Transmission Rate - Network Service Rate	\$/kW	2.0957
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.1391

### MONTHLY RATES AND CHARGES - Regulatory Component

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

# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

Effective Date January 1, 2018

Implementation Date March 1, 2018

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

EB-2017-0048

### microFIT SERVICE CLASSIFICATION

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

### APPLICATION

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

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

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### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	10.00
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**ALLOWANCES**

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

**SPECIFIC SERVICE CHARGES**

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

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**Customer Administration**

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque (plus bank charges)	\$	20.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	40.00
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	\$	15.00
Disconnect/reconnect at meter - during regular hours	\$	30.00
Disconnect/reconnect at meter - after regular hours	\$	165.00
Disconnect/reconnect at pole - during regular hours	\$	100.00
Disconnect/reconnect at pole - after regular hours	\$	300.00
Install/remove load control device - during regular hours	\$	30.00
Install/remove load control device - after regular hours	\$	165.00

**Other**

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

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**RETAIL SERVICE CHARGES (if applicable)**

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

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

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

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

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

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

**LOSS FACTORS**

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

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0509
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0410

## D. Foregone Revenue Rate Rider

Rate Effective Date	January 1 2018
Rate Implementation Date	March 1 2018
Forgone months	2
Recovery period (months)	10
Sunset Date	Dec 31 2018

Monthly Service Charge	New Rate	Existing Rate	Difference	Foregone Revenue (2 months)	Rate Rider calculated over 10 months
Residential	\$15.15	\$11.90	\$3.25	\$6.50	\$0.24
General Service < 50 kW	\$15.47	\$15.47	\$0.00	\$0.00	\$0.00
General Service > 50 to 4999 kW	\$100.99	\$100.99	\$0.00	\$0.00	\$0.00
Unmetered Scattered Load	\$7.12	\$6.63	\$0.49	\$0.97	\$0.10
Sentinel Lighting	\$1.66	\$1.66	\$0.00	\$0.00	\$0.00
Street Lighting	\$0.59	\$0.55	\$0.04	\$0.08	\$0.01

Distribution Volumetric Rate *	New Rate (1)	Existing Rate (2)	Difference (12 months)	Rate Rider (2 month of FR)	Rate Rider calculated over 10 months
Residential	\$0.0027	\$0.0051	-\$0.0024	\$0.00	\$0.0000
General Service < 50 kW	\$0.0071	\$0.0061	\$0.0010	\$0.00	\$0.0002
General Service > 50 to 4999 kW	\$2.1023	\$2.0470	\$0.0553	\$0.11	\$0.0111
Unmetered Scattered Load	\$0.0042	\$0.0039	\$0.0003	\$0.00	\$0.0001
Sentinel Lighting	\$3.8961	\$3.2940	\$0.6021	\$1.20	\$0.1204
Street Lighting	\$6.4020	\$5.9651	\$0.4369	\$0.87	\$0.0874

### FOREGONE REVENUE CALCULATIONS (2 MONTHS)

Rate Class	Number of Customers/Connections	Test Year Consumption		New Rates		Existing Rates		Proposed Rates w Foregone Rev Rider		Revenues from New Rate (12 months)	Revenues from Existing Rate (12 months)	Foregone Revenue calcs (2 months)	Revenue from 2 months Existing Rate and 10 months Proposed Rates	Reconciliation			Residential Rate Design				
		Average	kWh	kW	Monthly Service Charge	Volumetric	Monthly Service Charge	Volumetric	Monthly Service Charge					Volumetric	Revenue from Rate Rider (10 month) - Monthly Service Charge	Revenue from Rate Rider (10 month) - Volumetric	Total Foregone Revenue	Residential Foregone Revenue	Foregone Revenue recovered from Monthly Service Charge		
					kWh	kW		kWh	kW												
Residential	4,836	50,454,856	-	\$15.15	\$0.0027		\$11.90	\$0.0051		\$15.39	\$0.0027		\$1,017,397.15	\$947,893.23	\$11,583.99	\$1,017,397.15	\$11,583.99	\$0.00	\$11,583.99	\$11,583.99	\$0.24
General Service < 50 kW	618	17,883,115	-	\$15.47	\$0.0071		\$15.47	\$0.0061		\$15.47	\$0.0073		\$241,184.51	\$223,727.37	\$2,909.52	\$241,184.51		\$2,909.52	\$2,909.52		
General Service > 50 to 4999 kW	89	85,142,906	221,782	\$100.99	\$2.1023	\$100.99	\$2.0470	\$100.99	\$2.1023	\$2.1134	\$2.1134		\$573,920.03	\$561,655.18	\$2,044.14	\$573,920.03		\$2,044.14	\$2,044.14		
Unmetered Scattered Load	10	432,358	-	\$7.12	\$0.0042		\$6.63	\$0.0039		\$7.21	\$0.0042		\$2,627.42	\$2,447.94	\$29.91	\$2,627.42	\$9.31	\$20.60	\$29.91		
Sentinel Lighting	57	84,626	240	\$1.66	\$3.8961	\$1.66	\$3.2940	\$1.66	\$4.0165	\$4.0165		\$2,065.12	\$1,920.62	\$24.08	\$2,065.12		\$24.08	\$24.08			
Street Lighting	1,211	646,505	1,857	\$0.59	\$6.4020	\$0.55	\$5.9651	\$0.60	\$6.4894	\$6.4894		\$20,468.98	\$19,072.02	\$232.83	\$20,468.98	\$97.60	\$135.23	\$232.83			
																		\$0.00			
<b>Total</b>		154,644,367	223,879										<b>\$1,857,663.20</b>	<b>\$1,756,716.36</b>	<b>\$16,824.47</b>	<b>\$1,857,663.20</b>	<b>\$11,690.90</b>	<b>\$2,930.13</b>	<b>\$2,203.46</b>	<b>\$16,824.47</b>	

reconciles

**Note**

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