

**Hydro Hawkesbury Inc.**

**2018 Cost of Service Application**

**Settlement Proposal**

**EB-2017-0048**

**Filed: January 8, 2018**

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## LIST OF ATTACHMENTS

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- A. Revenue Requirement Workform**
- B. 2017 and 2018 Fixed Asset Continuity Schedule**
- C. Bill Impacts**
- D. Tariff Sheet**
- E. Cost of Power Calculations**

Note:

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

- a) Filing Requirements Chapter 2 Appendices
- b) 2018 Revenue Requirement Workform
- c) 2018 Test Year Income Tax PILs Model
- d) 2018 Cost Allocation Model
- e) 2018 Load Forecast Model – Wholesale
- f) 2018 EDDVAR Continuity Schedule
- g) 2018 RTSR Model
- h) LRAMVA Model
- i) Fixed Asset Continuity Schedule
- j) CA Demand Data Model
- k) Bill Impact Model
- l) Tariff Sheet Model
- m) Benchmarking Forecast Model

## SETTLEMENT PROPOSAL

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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 application was declared complete on June 20, 2017.

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 is set out on page 5 of the Practice Direction. Although OEB staff is not a party to this 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.

This document is called a “Settlement Proposal” as this is a proposal by the Parties presented to the OEB to settle the issues in this proceeding. It is termed a proposal as between the Parties and the OEB. However, as between the Parties, and subject only to the OEB approval of this

Settlement Proposal, this document is intended to be a legal agreement, creating mutual obligations, and binding and enforceable in accordance with its terms. As set forth later in this Preamble, this agreement is subject to a condition subsequent, that if it is not accepted by the OEB in its entirety, then unless amended by the Parties it is null and void and of no further effect. In entering into this agreement, the Parties understand and agree that, pursuant to the Act, the OEB has exclusive jurisdiction with respect to the interpretation and enforcement of the terms hereof.

These settlement proceedings are subject to the rules relating to confidentiality and privilege contained in the Practice Direction. The Parties acknowledge that this settlement proceeding is confidential in accordance with the OEB's Practice Direction on settlement conferences. The Parties understand that confidentiality in that context does not have the same meaning as confidentiality in the OEB's Practice Direction on Confidential Filings, and the rules of that latter document do not apply. Instead, in this settlement conference, and in this Settlement Proposal, the specific rules with respect to confidentiality and privilege set out in the Practice Direction, as amended on October 28, 2016, apply. Parties have interpreted the revised Practice Direction to mean that the documents and other information provided during the settlement conference, the discussion of each issue, the offers and counter-offers, and the negotiations leading to the settlement – or not – of each issue during the settlement conference are strictly privileged and without prejudice. None of the foregoing is admissible as evidence in this proceeding, or otherwise, with one exception, the need to resolve a subsequent dispute over the interpretation of any provision of this Settlement Proposal. Further, the Parties shall not disclose those documents or other information to persons who were not attendees at the settlement conference. However, the Parties agree that "attendees" is deemed to include, in this context, persons who were not physically in attendance at the settlement conference but were a) any persons or entities that the Parties engage to assist them with the settlement conference, and b) any persons or entities from whom they seek instructions with respect to the negotiations; in each case provided that any such persons or entities have agreed to be bound by the same confidentiality provisions.

This Settlement Proposal provides a brief description of each of the settled issues, as applicable, together with references to the evidence. The Parties agree that references to the "evidence" in this Settlement Proposal shall, unless the context otherwise requires, include a) additional information included by the Parties in this Settlement Proposal, and b) the Appendices to this document. The supporting Parties for each settled issue, as applicable, agree that the evidence in respect of that settled issue, as applicable, is sufficient in the context of the overall settlement to support the proposed settlement, and the sum of the evidence in this proceeding provides an appropriate evidentiary record to support acceptance by the OEB of this Settlement Proposal. The Parties agree that references to the evidence in this Settlement Proposal shall, unless the context otherwise requires, include, in addition to the Application, the responses to interrogatories, responses to clarification questions and undertakings, and all other

components of the record up to and including the date hereof, including additional information included by the Parties in this Settlement Proposal and the Attachments to this document.

Included with the Settlement Proposal are Attachments that provide further support for the proposed settlement. The Parties acknowledge that the Attachments were prepared by HHI. While the Intervenors have reviewed the Attachments, the Intervenors are relying on the accuracy of the Attachments and the underlying evidence in entering into this Settlement Proposal.

For ease of reference, this Settlement Proposal follows the format of the final Approved Issues List.

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

According to the Practice Direction (p.4), the Parties must consider whether a Settlement Proposal should include an appropriate adjustment mechanism for any settled issue that may be affected by external factors. HHI is not proposing any such adjustments.

The Parties have settled the issues as a package, and none of the parts of this Settlement Proposal are severable. If the OEB does not accept this Settlement Proposal in its entirety, then there is no settlement (unless the Parties agree in writing that any part(s) of this Settlement Proposal that the OEB accepts may continue as a valid settlement without inclusion of any part(s) that the OEB does not accept).

If the OEB directs the Parties to make reasonable efforts to revise the Settlement Proposal, the Parties agree to use reasonable efforts to discuss any potential revisions, but no Party will be obligated to accept any proposed revision. The Parties agree that all the Parties must agree with any revised Settlement Proposal as it relates to that issue, or take no position, prior to its resubmission to the OEB.

Unless stated otherwise, the settlement of any particular issue in this proceeding and the positions of the Parties in this Settlement Proposal are without prejudice to the rights of the Parties to raise the same issue and/or to take any position thereon in any other proceeding, whether or not HHI is a party to such proceeding, provided that no Party shall take a position that would result in the Settlement Proposal not applying in accordance with the terms contained herein.



## SUMMARY

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In reaching this settlement, the Parties have been guided by the Filing Requirements for 2018 rates and the Approved Issues List.

This Settlement Proposal reflects a full settlement of the issues in the proceeding. The Parties have described below, in detail, areas where they have settled an issue by agreeing to adjustments to the application as updated.

The Parties note that this Settlement Proposal includes all tables, appendices and the live Excel models that represent the evidence in support of the settlement between the Parties at the time of filing the Settlement Proposal.

A Revenue Requirement Work Form, incorporating all terms that have been agreed to in this Proposal is filed with the Settlement Proposal. Through the settlement process, HHI has agreed to certain adjustments to its original 2018 Application filed July 12, 2017. The changes are described in the following sections.

HHI has provided the following Table 1 highlighting the changes to its Rate Base and Capital, Operating Expenses and Revenue Requirement from HHI's Application as filed as a result of interrogatories and this Settlement Proposal.

**Table 1 - 2018 Revenue Requirement**

	<b>Application July 12 2017</b>	<b>IRR Nov 13 2017</b>	<b>Variance over Original Filing</b>	<b>Settlement Proposal Jan 8 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

Based on the foregoing, and the evidence and rationale provided below, the Parties accept this Settlement Proposal as appropriate and recommend its acceptance.

Table 2 - 2018 Bill Impact Summary (Final) below illustrates the updated Bill Impacts based on the results of this Settlement Proposal.

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

RATE CLASSES / CATEGORIES (e.g.: Residential TOU, Residential Retailer)	Units	Sub-Total						Total	
		A		B		C		A + B + C	
		\$	%	\$	%	\$	%	\$	%
Residential service classification - rpp	kWh	-\$20.77	-125.80%	-\$16.84	-82.70%	-\$16.32	-56.40%	-\$17.97	-18.10%
General service less than 50 kw service classification - rpp	kWh	\$2.01	7.10%	-\$5.33	-13.80%	-\$4.13	-7.00%	-\$6.57	-2.50%
General service 50 to 4,999 kw service classification - non-rpp (retailer)	kW	-\$189.84	-32.10%	-\$444.55	-68.40%	-\$381.74	-23.70%	-\$478.40	-9.00%
Unmetered scattered load service classification - non-rpp (retailer)	kWh	-\$6.81	-27.70%	-\$25.91	-47.30%	-\$23.15	-22.60%	-\$31.71	-4.20%
Sentinel lighting service classification - non-rpp (other)	kWh	\$32.32	6.20%	-\$108.75	-19.00%	-\$108.75	-19.00%	-\$123.08	-18.50%
Street lighting service classification - non-rpp (other)	kWh	-\$9,960.15	-11.10%	-\$30,148.65	-32.40%	-\$30,148.65	-32.40%	-\$34,092.02	-31.80%
Residential service classification - non-rpp (retailer)	kWh	-\$20.77	-125.80%	-\$13.99	-65.00%	-\$13.99	-65.00%	-\$15.53	-13.70%
Residential service classification - rpp	kWh	-\$19.72	-138.00%	-\$17.47	-109.90%	-\$17.47	-109.90%	-\$18.70	-41.00%
Residential service classification - non-rpp (retailer)	kWh	-\$19.72	-138.00%	-\$16.28	-99.40%	-\$16.28	-99.40%	-\$17.44	-31.70%

*Subtotal A: Distribution Charges+LRAMVA*

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

*Subtotal C: Transmission and Connection Charges*

*Total: A+B+C+Pass-Through charges+Commodity+HST*

## RRFE OUTCOMES

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The Parties accept the Applicant's compliance with the Board's required outcomes as defined by the *Renewed Regulatory Framework for Electricity* (RRFE). For the purpose of the settlement of the issues in this proceeding, and subject to the adjustments noted in this Settlement Proposal, the Parties accept that HHI's proposed rates in the 2018 Test Year will, in all reasonably foreseeable circumstances, allow the Applicant to meet its obligations to its customers while maintaining its financial viability.

## 1 PLANNING

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### 1.1 Capital

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Is the level of planned capital expenditures appropriate and is the rationale for planning and pacing choices appropriate and adequately explained, giving due consideration to:

- Customer feedback and preferences;
- Productivity;
- Compatibility with historical expenditures;
- Compatibility with applicable benchmarks;
- Reliability and service quality;
- Impact on distribution rates;
- Trade-offs with OM&A spending;
- Government-mandated obligations;
- The objectives of Hydro Hawkesbury and its customers;
- The distribution system plan.

#### **Full Settlement**

HHI agreed, as part of the settlement, to update its 2017 projected capital expenses with actuals up to November 2017 plus projections for December 2017. The USoA accounts which saw a reduction in capital expenditure had longer depreciation periods while accounts that saw an increase had shorter depreciation periods which lead to a reduction of \$5,153 in capital expenditures and a marginal increase in depreciation expense. The revised balances for 2017 are supported by the continuity schedules filed at Attachment B of this document.

Subject to the inclusion of forecast capital contributions in the amount of \$10,000 relating to forecast connection related projects in 2018, the Parties accept the 2018 capital expenditures as being appropriate. The accounts which saw a reduction in capex had longer depreciation period while accounts that saw an increase had shorter depreciation period (i.e. Smart Meters)

The Parties acknowledge that HHI retains the full discretion to manage its capital spending in the Test Year and beyond in accordance with the actual operating conditions it confronts in any year. HHI's revised capital expenditures will be consistent with the values as set out in the Business Plan as presented in the application.

The parties also agree that HH will file an independent, third-party Asset Condition Assessment with its next rebasing application.

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.

A summary of gross capital expenditures is presented in Table 3 - 2018 Gross Capital Expenditures below.

**Table 3 - 2017/2018 Gross Capital Additions**

	<b>Application July 12 2017</b>	<b>IRR Nov 13 2017</b>	<b>Variance over Original Filing</b>	<b>Settlement Proposal Jan 8 2018</b>	<b>Variance over IRs</b>
Gross Assets					
2017 Gross Open Bal	\$6,990,656	\$6,990,656	\$0.00	\$6,990,656	\$0
2017 Additions	<b>\$905,096</b>	<b>\$905,096</b>	<b>\$0.00</b>	\$899,943	<b>-\$5,153</b>
2017 Disp/Ret	\$0	\$0	\$0.00	\$0	\$0
2017 Gross Close Bal	\$7,895,752	\$7,895,752	\$0.00	\$7,890,599	<b>-\$5,153</b>
<b>Accumulated Depreciation</b>					
2017 Open Bal	\$578,162	\$578,162	\$0.00	\$578,162	\$0
2017 Additions	<b>\$204,766</b>	<b>\$204,766</b>	<b>\$0.00</b>	<b>\$204,926</b>	<b>\$160</b>
2017 Disp/Ret	\$0	\$0	\$0.00	\$0	\$0
2017 Close Bal	\$782,929	\$782,929	\$0.00	\$783,088	\$160
<b>Net Book Value</b>	\$7,112,824	\$7,112,824	\$0.00	\$7,107,511	<b>-\$5,313</b>
2018 Gross Open Bal	\$7,895,752	\$7,895,752	\$0.00	\$7,890,599	<b>-\$5,153</b>
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	<b>-\$15,153</b>
<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>	\$7,007,776	\$7,007,776	\$0.00	\$6,992,273	<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	<b>-\$10,000</b>
General Plant	\$11,250	\$11,250	\$0.00	\$11,250	\$0
<b>Total Additions</b>	<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	<b>\$0</b>	<b>\$0</b>	\$0.00	<b>-\$10,000</b>	<b>-\$10,000</b>

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.

For the purposes of settlement of all the issues in this proceeding, the Parties accept the evidence of HHI that the level of planned capital expenditures and the rationale for planning and pacing choices are appropriate to maintain system reliability, service quality objectives and the reliable and safe operations of the distribution system.

### **Evidence References**

- Exhibit 1. Section 1.2. Executive Summary/Business Plan Section 5.2
- Exhibit 1. Section 1.5 Application Summary
- Exhibit 2. Rate Base, Including Appendix B - DSP

### **IR Responses**

- 2-Staff-17 to 2-Staff-43
- 2.0-VECC-7 to 2.0-VECC-13
- 2-SEC-8 to 2-SEC-16
- 2-Clarification Staff-1 to 2, 2-Clarification Staff 4 to 6
- Updated Fixed Asset Continuity Schedule

### **Supporting Parties**

- HHI, VECC, SEC

### **Parties Taking No Position**

- None



## 1.2 OM&A

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Is the level of planned OM&A expenditures appropriate and is the rationale for planning choices appropriate and adequately explained, giving due consideration to:

- Customer feedback and preferences;
- Productivity;
- Compatibility with historical expenditures;
- Compatibility with applicable benchmarks;
- Reliability and service quality;
- Impact on distribution rates;
- Trade-offs with capital spending;
- Government-mandated obligations; and
- The objectives of Hydro Hawkesbury and its customers.

### **Full Settlement**

Subject 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 noted earlier, 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 4 - 2018 Test Year OM&A Expenditures**

	<b>Application July 12 2017</b>	<b>IRR Nov 13 2017</b>	<b>Variance over Original Filing</b>	<b>Settlement Proposal Jan 8 2018</b>	<b>Variance over IRs</b>
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>

### **Evidence References**

- Exhibit 1. Section 1.5.4 – Overview of Operation, Maintenance, and Administrative Costs
- Exhibit 1. Business Plan Section 5.3
- Exhibit 4 – Operating Expenses

### **IR Responses**

- 1-Staff-4 to Staff-5,1-SEC-6, 2-Staff-38, 9-Staff-80
- 4-Staff 51 to Staff-62
- 4.0-VECC-24 to VECC-32
- 4-SEC-17 to 4-SEC-23

### **Supporting Parties**

- HHI, VECC, SEC

### **Parties Taking No Position**

- None

## 2 REVENUE REQUIREMENT

### 2.1 Are all elements of the Revenue Requirement reasonable, and have they been appropriately determined in accordance with OEB policies and practices?

#### Full Settlement

The parties agree that the methodology used by HHI to calculate the Revenue Requirement is appropriate.

A summary of the adjusted Revenue Requirement reflecting adjustments and settled issues in accordance with the above is presented in Table 5 - 2018 Revenue Requirement below.

**Table 5 - 2018 Revenue Requirement**

	Application July 12 2017	IRR Nov 13 2017	Variance over Original Filing	Settlement Proposal Jan 8 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

An updated Revenue Requirement Work Form model has been filed though the OEB's e-filing service.

### **Evidence References**

- Exhibit 1, Section 1.5 Application Summary
- Exhibit 6 Revenue Requirement. Section 0

### **IR Responses**

- None

### **Supporting Parties**

- HHI, VECC, SEC

### **Parties Taking No Position**

- None

## 2.1.1 Cost of Capital

### Full Settlement

HHI has an existing loan of \$619,432 with an interest rate of 3.94%. On January 2018, the utility will have in place its full loans in the amounts of \$1,480,000 at 3.53% and \$1,550,000 at 3.29%. HHI has also transferred a debt originally labelled as short term debt in the original cost of debt calculation to long-term debt. The principal amount of \$450,000 holds an actual rate of 1.99%. HHI's resulting weighted average rate for rate-making purposes is 3.33%.

HHI is not forecasting any new long-term debt in the bridge and test year other than the debt explained above. In accordance with Board policy, HHI has used the deemed short-term debt rate of 2.29% and an ROE of 9.00% for 2018.

Table 6 - 2018 Cost of Capital Calculation below details the cost of capital calculation and Table 7 - 2018 Debt Instruments details the utility's actual debt.

**Table 6 - 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	Settlement Proposal Jan 8 2018	Settlement Proposal Jan 8 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 7 - 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

### **Evidence References**

- Exhibit 1. Section 1.5 Application Summary
- Exhibit 5 Cost of Capital

### **IR Responses**

- 5-Staff-70

### **Supporting Parties**

- HHI, VECC, SEC

### **Parties Taking No Position**

- None

## 2.1.2 Rate Base

### Full Settlement

The Parties accept the evidence of HHI that the rate base calculations, after making the adjustment to the working capital and the in-service additions for 2018 as detailed in this Settlement Proposal, are reasonable and have been appropriately determined in accordance with OEB policies and practices. Table 8 - 2018 Rate Base below outlines HHI's Rate Base calculation.

**Table 8 - 2018 Rate Base**

Particulars	Application July 12 2017	IRR Nov 13 2017	Variance over Original Filing	Settlement Proposal Jan 8 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

### Evidence References

- Exhibit 1. Section 1.5
- Exhibit 2 – Rate Base

### IR Responses

- 2-Staff-17 to 2-Staff-43
- 2.0-VECC-7 to 2.0-VECC-13
- 2-SEC-9 to 2-SEC-16

### Supporting Parties

- HHI, VECC, SEC

### **Parties Taking No Position**

- None



## 2.1.3 Working Capital Allowance

### Full Settlement

The Parties agreed that the Working Capital Allowance has been appropriately calculated, including 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 at Attachment E of this settlement agreement.

**Table 9 - 2018 Working Capital Allowance Calculation**

Particulars	Application July 12 2017	IRR Nov 10 2017	Variance over Original Filing	Settlement Proposal Jan 8 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

### Evidence References

- Exhibit 1. Section 1.5 Application Summary
- Exhibit 2. Section 2.1 Overview of Rate base

### IR Responses

- 2-Staff-7

### Supporting Parties

- HHI, VECC, SEC

### Parties Taking No Position

- None

## 2.1.4 Depreciation

---

### Full Settlement

The parties accept that the forecast of depreciation/amortization expenses, updated to reflect changes caused by the revision to the 2018 capital additions, are appropriate.

**Table 10 - 2018 Depreciation**

Particulars	Application July 12 2017	IRR Nov 10 2017	Variance over Original Filing	Settlement Proposal Jan 8 2018	Variance over IRs
Depreciation	\$280,878	\$280,878	\$0.00	281,068	\$190

### Evidence References

- Exhibit 4. Section 4.8 Depreciation, Amortization and Depletion

### IR Responses

- 2-Staff-25, 3-Staff-50, 7-Staff-50, 9-Staff-78, 9-VECC-38

### Supporting Parties

- HHI, VECC, SEC

### Parties Taking No Position

- None

## 2.1.5 Taxes

---

### Full Settlement

The Parties accept the evidence of HHI that its forecast taxes as adjusted are appropriate and have been correctly determined in accordance with OEB accounting policies and practices.

A summary of the updated Taxes is presented in Table 11 - 2018 Income Taxes below.

**Table 11 - 2018 Income Taxes**

	Application July 12 2017	IRR Nov 10 2017	Variance over Original Filing	Settlement Proposal Jan 8 2018	Variance over IRs
Income Taxes (Grossed up)	\$9,717	\$9,774	\$57	\$10,538	\$764

An updated Tax Model has been submitted in Live Excel format as part of this Settlement Proposal.

### Evidence References

- Exhibit 4. Section 4.9 – Taxes & Payments in Lieu of Taxes (PILS)

### IR Responses

- None

### Supporting Parties

- HHI, VECC, SEC

### Parties Taking No Position

- None

## 2.1.6 Other Revenue

---

### Full Settlement

The Parties have agreed that HHI will 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 in the Test Year Revenue Requirement.

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

With these adjustments the Parties accept the evidence of HHI that its proposed Other Revenues are appropriate and have been correctly determined in accordance with OEB accounting policies and practices.

**Table 12 - 2018 Other Revenue**

	<b>Application July 12 2017</b>	<b>IRR Nov 13 2017</b>	<b>Variance over Original Filing</b>	<b>Settlement Proposal Jan 8 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
Total	\$207,894	\$207,894	\$0	\$214,216	\$6,322

### Evidence References

- Exhibit 1. Section 1.5.2 – Revenue Requirements
- Exhibit 3. Section 3.4 – Other Revenues

### IR Responses

- 3 Staff-50

### Supporting Parties

- HHI, VECC, SEC

### Parties Taking No Position

- None

## 2.2 Has the revenue requirement been accurately determined based on these elements?

---

### **Full Settlement**

The Parties accept the evidence of HHI that the proposed Base Revenue Requirement has been determined accurately.

### **Evidence References**

- Exhibit 6, Revenue Requirement Work Form

### **IR Responses**

- None

### **Supporting Parties**

- HHI, VECC, SEC

### **Parties Taking No Position**

- None

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

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3.1 Are the proposed load and customer forecast, loss factors, CDM adjustments and resulting billing determinants appropriate, and, to the extent applicable, are they an appropriate reflection of the energy and demand requirements of Hydro Hawkesbury's customers?

---

#### **Full Settlement**

The Parties accept the evidence of HHI and its methodology used for the load forecast, customer forecast, loss factors and CDM adjustments after incorporating the following adjustments:

- Removal of the CDM adjustment related to 2015 CDM, Update 2017 and 2018 to use savings from CDM plan 2015-2020.
- Updating of the allocation of manual adjustment for Load Forecast to use verified results for 2016 and the CDM Plan for 2017-2018.
- Removal of the "Employment" variable from Load Forecast due to counter intuitive results.

The resulting billing determinants are presented in Table 13 - 2018 Test Year Billing Determinants (for Cost Allocation and Rate Design) below.

**Table 13 - 2018 Test Year Billing Determinants (for Cost Allocation and Rate Design)**

Particulars	Application July 12 2017	IRR Nov 13 2017	Variance over Original Filing	Settlement Proposal Jan 8 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>

An updated copy of HHI's Load Forecast Model has been submitted in Live Excel format as part of this Settlement Proposal.

### Evidence References

- Exhibit 1. Section 1.5 Application Summary
- Exhibit 3. Section 3.1 Load and Revenue Forecast and Section 3.2 Impact and Persistence from Historical CDM Programs and Section 3.3 Accuracy of Load Forecast and Variance Analysis
- HHI Load Forecast Model

### IR Responses

- 3-Staff-44 to 3-Staff-50

- 3.0-VECC-15 to 3.0-VECC-23

**Supporting Parties**

- HHI, VECC, SEC

**Parties Taking No Position**

- None



### 3.1.1 Customer/Connection Forecast

---

#### Full Settlement

For the purpose of settlement, the Parties have agreed to the forecast of customers/connections as set out in Table 14 - Summary of 2018 Load Forecast Customer Counts/Connections below.

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

Particulars	Application July 12 2017	IRR Nov 13 2017	Variance over Original Filing	Settlement Proposal Jan 8 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

#### Evidence References

- Exhibit 1. Section 1.5 Application Summary
- Exhibit 3. Section 3.1 Load and Revenue Forecast and Section 3.2 Impact and Persistence from Historical CDM Programs and Section 3.3 Accuracy of Load Forecast and Variance Analysis
- HHI Load Forecast Model

#### IR Responses

- 3-VECC-20

#### Supporting Parties

- HHI, VECC, SEC

#### Parties Taking No Position

None

### 3.1.2 Load Forecast

#### Full Settlement

The Parties agreed to the following updates in the Load Forecast Model:

- the removal of the CDM weighting factor related to 2015 CDM.
- for the 2015-2020 CDM Program Table, the use of the 2016 verified results persisting in 2018 along with annual savings from the CDM plan for 2017 and 2018 assuming a 100% persistence for 2018.
- a revised allocation of the manual CDM adjustment based on the 2016 verified results and the CDM plan savings for 2017 and 2018.

Table 15 - Summary of 2018 Load Forecast Billed kWh (CDM Adjusted) below provides the weather normalized billed kWh and billed demand forecast by rate class.

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

Particulars	Application July 12 2017	IRR Nov 13 2017	Variance over Original Filing	Settlement Proposal Jan 8 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>

### **Evidence References**

- Exhibit 1. Section 1.5 Application Summary
- Exhibit 3. Section 3.1 Load and Revenue Forecast and Section 3.2 Impact and Persistence from Historical CDM Programs and Section 3.3 Accuracy of Load Forecast and Variance Analysis
- HHI Load Forecast Model

### **IR Responses**

- 3-Staff-44 to 3-Staff-50
- 3.0-VECC-15 to 3.0-VECC-23

### **Supporting Parties**

- HHI, VECC, SEC

### **Parties Taking No Position**

- None

### 3.1.3 Loss Factors

---

#### Full Settlement

The Parties agree to the Loss Factors as corrected through the interrogatory process and as summarized below:

**Table 16 - 2018 Loss Factors**

Particulars	Application July 12 2017	IRR Nov 13 2017	Variance over Original Filing	Settlement Proposal Jan 8 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

#### Evidence References

- Exhibit 8. Section 8.1.11 Loss Adjustment Factors

#### IR Responses

- 8.0-VECC-37

#### Supporting Parties

- HHI, VECC, SEC

#### Parties Taking No Position

- None

### 3.1.4 LRAMVA Baseline

#### Full Settlement

The parties have 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						
	Total	1,298,771	1,360,575	3,042,353	5,701,699	100.00%	5,680,929

#### Evidence References

- Exhibit 3. Section 3.2.2 Allocation of CDM Results
- HHI 2017 Load Forecast

#### IR Responses

- 9-Staff-94 to 9-Staff-98
- 4-VECC-31-32

#### Supporting Parties

- HHI, VECC, SEC

#### Parties Taking No Position

- None

### 3.2 Is the proposed cost allocation methodology, and are the allocations and revenue-to-cost ratios, appropriate?

---

#### Full Settlement

The Parties agreed to a correction in the formula for the demand data calculations.

Subject to the above adjustment, the Parties accept the evidence of HHI that all elements of the cost allocation methodology allocation and Revenue-to-Cost ratios have been correctly 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			Settlement Proposal Jan 8 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

#### Evidence References

- Exhibit 1. Section 1.5 Application Summary
- Exhibit 7 Cost Allocation

#### IR Responses

- 7-Staff-64 to 7-Staff-73
- 7.0-VECC-34-35
- 7-SEC-25

#### Supporting Parties

- HHI, VECC, SEC

#### Parties Taking No Position

- None

### 3.3 Are Hydro Hawkesbury's proposals for rate design appropriate?

#### Full Settlement

The Parties accept the evidence of HHI that all elements of the rate design have been correctly determined in accordance with OEB policies and practices.

**Table 19 - Distribution Rates**

Particulars		Application July 12 2017	Application July 12 2017	IRR Nov 3 2017	IRR Nov 3 2017	Settlement Proposal Jan 8 2018	Settlement Proposal Jan 8 2018
Customer Class Name	per	Fixed Rate	Variable Rate	Fixed Rate	Variable Rate	Fixed Rate	Variable Rate
Residential	kWh	\$15.39	\$0.0028	\$15.63	\$0.0029	\$15.15	\$0.0027
General Service < 50 kW	kWh	\$15.47	\$0.0073	\$15.47	\$0.0076	\$15.47	\$0.0071
General Service > 50 to 4999 kW	kW	\$100.99	\$2.2602	\$100.99	\$2.2869	\$100.99	\$2.1023
Unmetered Scattered Load	kWh	\$7.29	\$0.0043	\$7.41	\$0.0044	\$7.12	\$0.0042
Sentinel Lighting	kW	\$1.83	\$3.6222	\$1.77	\$3.9378	\$1.66	\$3.8961
Street Lighting	kW	\$0.67	\$7.2372	\$0.61	\$6.6667	\$0.59	\$6.4020

**Table 20 – Fixed to Variable Split**

Particulars		Application July 12 2017	Application July 12 2017	IRR Nov 3 2017	IRR Nov 3 2017	Settlement Proposal Jan 8 2018	Settlement Proposal Jan 8 2018
Customer Class Name	per	Fixed Rate	Variable Rate	Fixed Rate	Variable Rate	Fixed Rate	Variable Rate
Residential	kWh	86.89%	13.11%	86.99%	13.01%	86.41%	13.59%
General Service < 50 kW	kWh	46.25%	53.75%	45.89%	54.11%	47.53%	52.47%
General Service > 50 to 4999 kW	kW	22.85%	77.15%	22.91%	77.09%	23.39%	76.61%
Unmetered Scattered Load	kWh	31.28%	68.72%	31.60%	68.40%	31.12%	68.88%
Sentinel Lighting	kW	59.01%	40.99%	56.56%	43.44%	54.72%	45.28%
Street Lighting	kW	42.09%	57.91%	42.47%	57.53%	41.92%	58.08%

#### Evidence References

- Exhibit 8 Rate Design
- HHI 2017 Rate Design Model
- OEB RRWF Model

### **IR Responses**

- 8-Staff-74 to 8-Staff-76
- 8-VEC-36-37

### **Supporting Parties**

- HHI, VECC, SEC

### **Parties Taking No Position**

- None



### 3.3.1 Residential Rate Design

---

#### **Full Settlement**

The Parties accept that HHI's proposal for the phase in of fully fixed charge for the residential rate class remains appropriate and is properly reflected in the application.

#### **Evidence References**

- Exhibit 8. Section 8.1 Rate Design
- OEB RRWF Model

#### **IR Responses**

- None

#### **Supporting Parties**

- HHI, VECC, SEC

#### **Parties Taking No Position**

- None

### 3.4 Are the proposed Retail Transmission Service Rates and Low Voltage service rates appropriate?

---

#### **Full Settlement**

The Parties accept the evidence of HHI that all elements of the Retail Transmission Service Rates and Low Voltage Service Rates have been correctly determined in accordance with OEB policies and practices.

#### **Evidence References**

- Exhibit 8. Section 8.1.1 Retail Transmission Service Rates (RTSR)

#### **IR Responses**

- 8.0-VECC-36

#### **Supporting Parties**

- HHI, VECC, SEC

#### **Parties Taking No Position**

- None

### 3.4.1 Retail Transmission Service Rates

#### Full Settlement

The Parties have agreed to the RTSRs presented in Table 21 - RTSR Network and Connection Rates below. An updated copy of the OEB's RTSR model has been submitted in live Excel format as part of this Settlement Proposal.

**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	Settlement Proposal Jan 8 2018	Settlement Proposal Jan 8 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>\$1,146,942</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>\$613,926</b>

#### Evidence References

- Exhibit 8. Section 8.1.4 Retail Transmission Service Rates (RTSR)

#### IR Responses

- 8.0-VECC-36

#### Supporting Parties

- HHI, VECC, SEC

**Parties Taking No Position**

- None

### 3.4.2 Low Voltage Service Rates

---

#### Full Settlement

The Parties agree that the Low Voltage Service rates have been appropriately determined.

**Table 22 – LV Charges**

Low Voltage Charges Rate Rider Calculations					
Customer Class Name	% Allocation	Charges	Not Uplifted Volumes	Rate	per
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>		

#### Evidence References

- Exhibit 8. Section 8.1.10 Low Voltage Service Rates

#### IR Responses

- None

#### Supporting Parties

- HHI, VECC, SEC

#### Parties Taking No Position

- None

## 4 ACCOUNTING

---

4.1 Have all impacts of any changes in accounting standards, policies, estimates, and adjustments been properly identified and recorded, and is the rate-making treatment of each of these impacts appropriate?

---

### **Full Settlement**

The Parties accept the evidence of HHI that all impacts of changes to accounting standards, policies, estimates, and adjustments have been properly identified and recorded in accordance with the OEB's policies and properly reflected in rates.

An updated EDDVAR Continuity Schedule is provided in working Excel format reflecting this Settlement Proposal and includes the calculation of the various riders discussed above.

### **Evidence References**

- Exhibit 1. Section 1.3.9 Changes in Methodologies

### **IR Responses**

- None

### **Supporting Parties**

- HHI, VECC, SEC

### **Parties Taking No Position**

- None

## 4.2 Are Hydro Hawkesbury's proposals for deferral and variance accounts, including the balances in the existing accounts and their disposition, requests for new accounts and the continuation of existing accounts, appropriate?

### Full Settlement

The Parties accept the evidence of HHI 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.

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	0	%
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595	(0)	%
Disposition and Recovery/Refund of Regulatory Balances (2015)	1595	(0)	%
<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							
<u>Carrying Charges</u>	(\$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>	



### **Evidence References**

- Exhibit 10. Section 1.5.8 – Overview of Deferral and Variance Account Disposition
- Exhibit 4. Section 4.12.2 – Lost Revenue Adjustment Mechanism
- Exhibit 9 – Deferral and Variance Accounts
- HHI\_2018 DVA Continuity Schedule

### **IR Responses**

- 9-Staff-77 to Staff-98
- 9.0-VECC-38
- 9-SEC-26

### **Supporting Parties**

- HHI, VECC, SEC

### **Parties Taking No Position**

- None

#### 4.2.1 Effective Date

---

##### **Full Settlement**

The Parties agree that HHI's new rates should be made effective January 1, 2018. In the event there is a delay to the implementation of new rates on January 1, 2018 the parties agree that existing rates should be made interim as of January 1, 2018. The Parties further agree that HHI's rates for the period of January 1, 2017 to December 1, 2017, having previously been declared interim as a result of a high reported ROE in 2015, should be declared final without any adjustments. The high ROE in 2015 was caused primarily by the inclusion in 2015 rates of amounts relating to the upgrades to the 110kV substation that did not come into service until 2017, causing an overcollection in rates that HHI has proposed to refund to customers through a rate rider that is described in detail under issue 5.2.

##### **Evidence References**

- Exhibit 1. Section 1.3.4 Legal Application

##### **IR Responses**

- None

##### **Supporting Parties**

- HHI, VECC, SEC

##### **Parties Taking No Position**

- None

## 5 OTHER

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### 5.1 Is the proposed MicroFIT rate appropriate?

---

#### **Full Settlement**

The Parties agree that HHI's proposed MicroFIT rate adjustment from \$5.40/month to \$10.00/month is appropriate. HHI's revenue offsets have been increased by \$322 to reflect the increase in revenue related to the increase in the rate.

#### **Evidence References**

- Exhibit 3. Section 3.4.3 – Proposed Specific Service Charges

#### **IR Responses**

- 8-Staff-76
- 3.0-VECC-15,19,23

#### **Supporting Parties**

- HHI, VECC, SEC

#### **Parties Taking No Position**

- None

## 5.2 Is the applicant's proposal to refund amounts due to a delay in upgrading Hydro Hawkesbury's 110kV transformer station, including the quantum and method of disposition, appropriate?

---

### Full Settlement

The Parties accept HHI's proposal to refund amounts due to a delay in upgrading Hydro Hawkesbury's 110kV transformer station, including the quantum and method of disposition. The rate riders are shown below.

**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>	

### Evidence References

- Exhibit 3. Section 3.4.3 – Proposed Specific Service Charges
- Exhibit 8. Section 8.1.9 – Specific Service Charges

### IR Responses

- 9-Staff-93

### Supporting Parties

- HHI, VECC, SEC

### Parties Taking No Position

- None

## 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.

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

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2017 Filers

[1. Info](#)

[2. Table of Contents](#)

[3. Data Input Sheet](#)

[4. Rate Base](#)

[5. Utility Income](#)

[6. Taxes PILs](#)

[7. Cost of Capital](#)

[8. Rev Def Suff](#)

[9. Rev Req](#)

[10. Load Forecast](#)

[11. Cost Allocation](#)

[12. Residential Rate Design](#)

[13. Rate Design and Revenue Reconciliation](#)

[14. Tracking Sheet](#)

## 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	(2)	Adjustments	Interrogatory Responses	(6)	Adjustments	Per Board Decision
<b>1</b>	<b>Rate Base</b>						
	Gross Fixed Assets (average)	\$7,983,667		\$ 7,983,667		(\$10,153)	\$7,973,514
	Accumulated Depreciation (average)	(\$923,368)	(5)	(\$923,368)		(\$255)	(\$923,622)
	Allowance for Working Capital:					\$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%	(9)	7.50%	(9)		7.50% (9)
<b>2</b>	<b>Utility Income</b>						
	Operating Revenues:						
	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
	Other Revenue:						
	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	(7)	\$208,216		\$6,000	\$214,216
	Operating Expenses:						
	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</b>	<b>Taxes/PILs</b>						
	Taxable Income:						
	Adjustments required to arrive at taxable income	(\$247,497)	(3)	(\$247,497)			(\$247,307)
	Utility Income Taxes and Rates:						
	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</b>	<b>Capitalization/Cost of Capital</b>						
	Capital Structure:						
	Long-term debt Capitalization Ratio (%)	56.0%		56.0%			56.0%
	Short-term debt Capitalization Ratio (%)	4.0%	(8)	4.0%	(8)		4.0% (8)
	Common Equity Capitalization Ratio (%)	40.0%		40.0%			40.0%
	Preferred Shares Capitalization Ratio (%)						
		100.0%		100.0%			100.0%
	Cost of Capital						
	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.



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2017 Filers

## Rate Base and Working Capital

Rate Base							
Line No.	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.



Ontario Energy Board

# 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	Total Operating Revenues	\$1,982,593	\$14,003	\$1,996,596	(\$38,239)	\$1,958,356
	<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	Subtotal (lines 4 to 8)	\$1,490,993	\$17,768	\$1,508,761	(\$34,810)	\$1,473,951
10	Deemed Interest Expense	\$179,324	(\$4,191)	\$175,133	(\$8,284)	\$166,848
11	Total Expenses (lines 9 to 10)	\$1,670,316	\$13,577	\$1,683,893	(\$43,094)	\$1,640,799
12	Utility income before income taxes	\$312,277	\$426	\$312,702	\$4,855	\$317,557
13	Income taxes (grossed-up)	\$9,717	\$57	\$9,774	\$764	\$10,538
14	Utility net income	\$302,560	\$369	\$302,929	\$4,091	\$307,020

## 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
	Total Revenue Offsets	\$207,894	\$322	\$208,216	\$6,000	\$214,216



# 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	\$55,063	\$55,431	\$59,713
<b><u>Calculation of Utility income Taxes</u></b>				
4	Income taxes	\$8,259	\$8,308	\$8,957
6	Total taxes	\$8,259	\$8,308	\$8,957
7	Gross-up of Income Taxes	\$1,458	\$1,466	\$1,581
8	Grossed-up Income Taxes	\$9,717	\$9,774	\$10,538
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	\$9,717	\$9,774	\$10,538
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 (%)	15.00%	15.00%	15.00%

## 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>	60.00%	\$5,169,017	3.47%		\$179,324
	<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>	40.00%	\$3,446,011	8.78%		\$302,560
7	<b>Total</b>	100.00%	\$8,615,028	5.59%		\$481,883
<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>	60.00%	\$5,175,319	3.38%		\$175,133
	<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>	40.00%	\$3,450,212	8.78%		\$302,929
7	<b>Total</b>	100.00%	\$8,625,531	5.54%		\$478,061
<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>	60.00%	\$5,117,000	3.26%		\$166,848
	<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>	40.00%	\$3,411,333	9.00%		\$307,020
14	<b>Total</b>	100.00%	\$8,528,333	5.56%		\$473,868

### Notes





Ontario Energy Board

# 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	<b>Total Revenue</b>	<u>\$1,819,250</u>	<u>\$1,982,593</u>	<u>\$1,808,306</u>	<u>\$1,996,596</u>	<u>\$1,837,863</u>	<u>\$1,958,356</u>
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>	<u>\$1,670,316</u>	<u>\$1,670,316</u>	<u>\$1,683,893</u>	<u>\$1,683,893</u>	<u>\$1,640,799</u>	<u>\$1,640,799</u>
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>	<u>(\$98,563)</u>	<u>\$64,779</u>	<u>(\$123,085)</u>	<u>\$65,205</u>	<u>(\$50,243)</u>	<u>\$70,250</u>
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>	<u>\$148,934</u>	<u>\$302,560</u>	<u>\$124,412</u>	<u>\$302,929</u>	<u>\$197,064</u>	<u>\$307,020</u>
16	<b>Utility Rate Base</b>	\$8,615,028	\$8,615,028	\$8,625,531	\$8,625,531	\$8,528,333	\$8,528,333
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>	<u>\$180,736 <sup>(1)</sup></u>		<u>\$210,019 <sup>(1)</sup></u>		<u>\$129,359 <sup>(1)</sup></u>	

### Notes:

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



Ontario Energy Board

# 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	<u>\$207,894</u>	<u>\$208,216</u>	<u>\$214,216</u>
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	<u>\$207,894</u>	<u>\$208,216</u>	<u>\$214,216</u>
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% (2)
<b>Service Revenue Requirement</b>	\$1,982,593	\$1,996,596	<b>\$0</b>	\$1,958,356	<b>(\$1)</b>
<b>Grossed-Up Revenue</b>					
<b>Deficiency/(Sufficiency)</b>	\$180,736	\$210,019	<b>\$0</b>	\$129,359	<b>(\$1)</b>
<b>Base Revenue Requirement (to be recovered from Distribution Rates)</b>	\$1,774,699	\$1,788,380	<b>\$0</b>	\$1,744,140	<b>(\$1)</b>
<b>Revenue Deficiency/(Sufficiency) Associated with Base Revenue Requirement</b>	\$163,342	\$188,290	<b>\$0</b>	\$120,493	<b>(\$1)</b>

### Notes

<sup>(1)</sup> Line 11 - Line 8

<sup>(2)</sup> Percentage Change Relative to Initial Application



Ontario Energy Board

# 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			Interrogatory Responses			Per Board Decision		
Input the name of each customer class.		Customer / Connections	kWh	kW/kVA <sup>(1)</sup>	Customer / Connections	kWh	kW/kVA <sup>(1)</sup>	Customer / Connections	kWh	kW/kVA <sup>(1)</sup>
		Test Year average or mid-year	Annual	Annual	Test Year average or mid-year	Annual	Annual	Test Year average or mid-year	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
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
Total			148,548,851	213,128		146,464,034	214,932		154,644,367	223,879

### 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)





Ontario Energy Board

# 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>	%
From Sheet 10. Load Forecast			(7A)	
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				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
Total	\$ 1,590,565	100.00%	\$ 1,958,355	100.00%
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**

Name of Customer Class		Load Forecast (LF) X current approved rates (7B)	LF X current approved rates X (1+d) (7C)	LF X Proposed Rates (7D)	Miscellaneous Revenues (7E)
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					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Total		\$ 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
7					80 - 120
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
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					
13					
14					
15					
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

Rate Design and Revenue Reconciliation

This sheet replaces Appendix 2-V, and provides a simplified model for calculating the standard monthly and volumetric rates based on the allocated class revenues and fixed/variable split resulting from the cost allocation study and rate design and as proposed by the applicant. However, the RRWF does not replace the rate generator model that an applicant distributor may use in support of its application. The RRWF provides a demonstrative check on the derivation of the revenue requirement and on the proposed base distribution rates to recover the revenue requirement, based on summary information from a more detailed rate generator model and other models that applicants use for cost allocation, load forecasting, taxes/PILs, etc.

Stage in Process:		Per Board Decision				Class Allocated Revenues			Fixed / Variable Splits <sup>2</sup>			Distribution Rates		Revenue Reconciliation			
Customer and Load Forecast					From Sheet 11. Cost Allocation and Sheet 12. Residential Rate Design			Percentage to be entered as a fraction between 0 and 1									
Customer Class	Volumetric Charge Determinant	Customers / Connections	kWh	kW or kVA	Total Class Revenue Requirement	Monthly Service Charge	Volumetric	Fixed	Variable	Transformer Ownership Allowance <sup>1</sup> (\$)	Monthly Service Charge		Volumetric Rate		MSC Revenues	Volumetric revenues	Revenues less Transformer Ownership Allowance
From sheet 10. Load Forecast											Rate	No. of decimals	Rate	No. of decimals			
1 Residential	kWh	4,836	50,454,856	-	\$ 1,017,397	\$ 879,133	\$ 138,264	86.41%	13.59%		\$15.15	2	\$0.0027 /kWh	4	\$ 879,175.46	\$ 136,228.1117	\$ 1,015,403.57
2 General Service < 50 kW	kWh	618	17,883,115	-	\$ 241,185	\$ 114,635	\$ 126,550	47.53%	52.47%		\$15.47		\$0.0071 /kWh		\$ 114,640.36	\$ 126,970.1179	\$ 241,610.48
3 General Service > 50 to 4999 kW	kW	89	85,142,906	221,782	\$ 460,397	\$ 107,687	\$ 352,710	23.39%	76.61%	\$ 113,523	\$101.01		\$2.1022 /kW		\$ 107,689.21	\$ 466,229.6522	\$ 460,395.86
4 Unmetered Scattered Load	kWh	10	432,358	-	\$ 2,627	\$ 818	\$ 1,809	31.12%	68.88%		\$7.12		\$0.0042 /kWh		\$ 818.04	\$ 1,815.9055	\$ 2,633.95
5 Sentinel Lighting	kV	57	84,626	240	\$ 2,065	\$ 1,130	\$ 935	54.72%	45.28%		\$1.66		\$3.8960 /kW		\$ 1,130.06	\$ 935.0400	\$ 2,065.10
6 Street Lighting	kV	1,211	646,505	1,857	\$ 20,469	\$ 8,581	\$ 11,888	41.92%	58.08%		\$0.59		\$6.4020 /kW		\$ 8,576.47	\$ 11,888.3072	\$ 20,464.78
7		-	-	-											\$ -	\$ -	\$ -
8		-	-	-											\$ -	\$ -	\$ -
9		-	-	-											\$ -	\$ -	\$ -
10		-	-	-											\$ -	\$ -	\$ -
11		-	-	-											\$ -	\$ -	\$ -
12		-	-	-											\$ -	\$ -	\$ -
13		-	-	-											\$ -	\$ -	\$ -
14		-	-	-											\$ -	\$ -	\$ -
15		-	-	-											\$ -	\$ -	\$ -
16		-	-	-											\$ -	\$ -	\$ -
17		-	-	-											\$ -	\$ -	\$ -
18		-	-	-											\$ -	\$ -	\$ -
19		-	-	-											\$ -	\$ -	\$ -
20		-	-	-											\$ -	\$ -	\$ -
Total Transformer Ownership Allowance										\$ 113,523					Total Distribution Revenues	\$ 1,742,573.74	
															Base Revenue Requirement	\$ 1,744,140.47	
															Difference	-\$ 1,566.73	
															% Difference	-0.090%	

Notes:

<sup>1</sup> Transformer Ownership Allowance is entered as a positive amount, and only for those classes to which it applies.

<sup>2</sup> The Fixed/Variable split, for each customer class, drives the "rate generator" portion of this sheet of the RRWF. Only the "fixed" fraction is entered, as the sum of the "fixed" and "variable" portions must sum to 100%. For a distributor that may set the Monthly Service Charge, the "fixed" ratio is calculatated as: [MSC x (average number of customers or connections) x 12 months] / (Class Allocated Revenue Requirement).

Rates recover revenue requirement





Ontario Energy Board

# 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. 2017 and 2018 Fixed Asset Continuity Schedule**



		Year		2017	IFRS										
		Cost					Accumulated Depreciation								
CCA Class	OEB	Description	Opening Balance	CGAAP to IFRS Adjustments	Additions	Disposals	Closing Balance	Opening Balance	CGAAP to IFRS Adjustments	Additions	Disposals	Closing Balance	Net Book Value	AVG Gross Bal	AVG AccDep
12	1611	Computer Software (Formally known as Account 1925)	\$76,571	\$0	\$32,399	\$0	\$108,970	\$53,740	\$0	\$13,078	\$ -	\$66,818	\$42,152	\$92,770	\$60,279
CEC	1612	Land Rights (Formally known as Account 1906 and 1806)	\$5,980	\$0	\$0	\$0	\$5,980	\$0	\$0	\$0	\$ -	\$0	\$5,980	\$5,980	\$0
N/A	1805	Land	\$20,000	\$0	\$0	\$0	\$20,000	\$0	\$0	\$0	\$ -	\$0	\$20,000	\$20,000	\$0
47	1808	Buildings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
13	1810	Leasehold Improvements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
47	1815	Transformer Station Equipment >50 kV	\$435,936	\$0	\$3,525,000	\$0	\$3,960,936	\$29,607	\$0	\$17,718	\$ -	\$47,325	\$3,913,611	\$2,198,436	\$38,466
47	1820	Distribution Station Equipment <50 kV	\$1,349,340	\$0	\$3,400	\$0	\$1,352,740	\$93,961	\$0	\$36,767	\$ -	\$130,728	\$1,222,012	\$1,351,040	\$112,344
47	1825	Storage Battery Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
47	1830	Poles, Towers & Fixtures	\$577,790	\$0	\$64,183	\$0	\$641,973	\$60,393	\$0	\$24,632	\$ -	\$85,025	\$556,948	\$609,881	\$72,709
47	1835	Overhead Conductors & Devices	\$333,769	\$0	\$21,533	\$0	\$355,302	\$32,122	\$0	\$11,755	\$ -	\$43,877	\$311,425	\$344,535	\$37,999
47	1840	Underground Conduit	\$39,269	\$0	\$0	\$0	\$39,269	\$8,194	\$0	\$2,553	\$ -	\$10,747	\$28,522	\$39,269	\$9,471
47	1845	Underground Conductors & Devices	\$146,080	\$0	\$135	\$0	\$146,215	\$29,078	\$0	\$9,319	\$ -	\$38,397	\$107,818	\$146,147	\$33,737
47	1850	Line Transformers	\$218,610	\$0	\$10,905	\$0	\$229,515	\$29,042	\$0	\$9,688	\$ -	\$38,730	\$190,785	\$224,063	\$33,886
47	1855	Services (Overhead & Underground)	\$25,772	\$0	\$987	\$0	\$26,759	\$3,461	\$0	\$1,196	\$ -	\$4,657	\$22,102	\$26,266	\$4,059
47	1860	Meters	\$7,143	\$0	\$0	\$0	\$7,143	\$950	\$0	\$317	\$ -	\$1,267	\$5,876	\$7,143	\$1,109
47	1860	Meters (Smart Meters)	\$519,211	\$0	\$40,566	\$0	\$559,777	\$126,264	\$0	\$43,772	\$ -	\$170,036	\$389,741	\$539,494	\$148,150
N/A	1905	Land	\$28,300	\$0	\$0	\$0	\$28,300	\$0	\$0	\$0	\$ -	\$0	\$28,300	\$28,300	\$0
47	1908	Buildings & Fixtures	\$675,321	\$0	\$1,500	\$0	\$676,821	\$102,542	\$0	\$35,371	\$ -	\$137,913	\$538,908	\$676,071	\$120,228
13	1910	Leasehold Improvements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
8	1915	Office Furniture & Equipment (10 years)	\$23,739	\$0	\$3,845	\$0	\$27,584	\$9,856	\$0	\$3,271	\$ -	\$13,127	\$14,457	\$25,661	\$11,491
8	1915	Office Furniture & Equipment (5 years)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
10	1920	Computer Equipment - Hardware	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
45	1920	Computer Equip.-Hardware(Post Mar. 22/04)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
45.1	1920	Computer Equip.-Hardware(Post Mar. 19/07)	\$9,312	\$0	\$2,077	\$0	\$11,389	\$6,667	\$0	\$1,516	\$ -	\$8,183	\$3,206	\$10,350	\$7,425
10	1930	Transportation Equipment	\$6,392	\$0	\$0	\$0	\$6,392	\$6,392	\$0	\$0	\$ -	\$6,392	\$0	\$6,392	\$6,392
8	1935	Stores Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
8	1940	Tools, Shop & Garage Equipment	\$20,977	\$0	\$0	\$0	\$20,977	\$6,611	\$0	\$2,575	\$ -	\$9,186	\$11,791	\$20,977	\$7,899
8	1945	Measurement & Testing Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
8	1950	Power Operated Equipment	\$1,552	\$0	\$670	\$0	\$2,222	\$621	\$0	\$249	\$ -	\$870	\$1,352	\$1,887	\$745
8	1955	Communications Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
8	1955	Communication Equipment (Smart Meters)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
8	1960	Miscellaneous Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
47	1970	Load Management Controls Customer Premises	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
47	1975	Load Management Controls Utility Premises	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
47	1980	System Supervisor Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
47	1985	Miscellaneous Fixed Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
47	1990	Other Tangible Property	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
47	1995	Contributions & Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
N/A	etc.	Construction in progress	\$2,807,257	\$0	-\$2,807,257	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$1,403,628	\$0
	etc.	Contributions & Grants	-\$337,664	\$0	\$0	\$0	-\$337,664	-\$21,338	\$0	-\$8,851	\$ -	-\$30,189	-\$307,475	-\$337,664	-\$25,763
			\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0
		Sub-Total	\$6,990,656	\$0	\$899,943	\$0	\$7,890,599	\$578,162		\$204,926	\$ -	\$783,088	\$7,107,511	\$7,440,628	\$680,625
		Less Socialized Renewable Energy Generation Investments (input as negative)Less Socialized Renewable Energy Generation Investments (input as negative)					\$0					\$0	\$0		
		Less Other Non Rate-Regulated Utility Assets (input as negative)Less Other Non Rate-Regulated Utility Assets (input as negative)					\$0					\$0	\$0		
		Total PP&E	\$6,990,656		\$899,943	\$0	\$7,890,599	\$578,162	\$0	\$204,926	\$ -	\$783,088	\$7,107,511		
		Depreciation Expense adj. from gain or loss on the retirement of assets (pool of like assets)													
		Total								\$204,926					

10		Transportation
8		Stores Equipment
8		Tools, Shop
8		Meas/Testing
8		Communication

Less: Fully Allocated Depreciation
Transportation
Stores Equipment
Tools, Shop
Meas/Testing
Communication
Net Depreciation
\$204,926

		Year	2018	IFRS													
			Cost					Accumulated Depreciation									
CCA Class	OEB	Description	Opening Balance	CGAAP to IFRS Adjustments	Additions	Disposals	Closing Balance	Opening Balance	CGAAP to IFRS Adjustments	Additions	Disposals	Closing Balance	Net Book Value	AVG Gross Bal	AVG AccDep		
12	1611	Computer Software (Formally known as Account 1925)	\$108,970	\$0	\$1,000	\$0	\$109,970	\$66,818	\$0	\$16,151	\$ -	\$82,969	\$27,001	\$109,470	\$74,893		
CEC	1612	Land Rights (Formally known as Account 1906 and 1806)	\$5,980	\$0	\$0	\$0	\$5,980	\$0	\$0	\$0	\$ -	\$0	\$5,980	\$5,980	\$0		
N/A	1805	Land	\$20,000	\$0	\$0	\$0	\$20,000	\$0	\$0	\$0	\$ -	\$0	\$20,000	\$20,000	\$0		
47	1808	Buildings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
13	1810	Leasehold Improvements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
47	1815	Transformer Station Equipment >50 kV	\$3,960,936	\$0		\$0	\$3,960,936	\$47,325	\$0	\$89,526	\$ -	\$136,851	\$3,824,085	\$3,960,936	\$92,088		
47	1820	Distribution Station Equipment <50 kV	\$1,352,740	\$0		\$0	\$1,352,740	\$130,728	\$0	\$32,629	\$ -	\$163,357	\$1,189,383	\$1,352,740	\$147,042		
47	1825	Storage Battery Equipment	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
47	1830	Poles, Towers & Fixtures	\$641,973	\$0	\$81,500	\$0	\$723,473	\$85,025	\$0	\$27,156	\$ -	\$112,181	\$611,292	\$682,723	\$98,603		
47	1835	Overhead Conductors & Devices	\$355,302	\$0	\$27,930	\$0	\$383,232	\$43,877	\$0	\$12,168	\$ -	\$56,045	\$327,187	\$369,267	\$49,961		
47	1840	Underground Conduit	\$39,269	\$0	\$0	\$0	\$39,269	\$10,747	\$0	\$2,553	\$ -	\$13,300	\$25,969	\$39,269	\$12,024		
47	1845	Underground Conductors & Devices	\$146,215	\$0	\$20,000	\$0	\$166,215	\$38,397	\$0	\$9,333	\$ -	\$47,730	\$118,485	\$156,215	\$43,063		
47	1850	Line Transformers	\$229,515	\$0	\$17,350	\$0	\$246,865	\$38,730	\$0	\$10,042	\$ -	\$48,772	\$198,093	\$238,190	\$43,751		
47	1855	Services (Overhead & Underground)	\$26,759	\$0	\$3,500	\$0	\$30,259	\$4,657	\$0	\$1,271	\$ -	\$5,928	\$24,331	\$28,509	\$5,293		
47	1860	Meters	\$7,143	\$0	\$0	\$0	\$7,143	\$1,267	\$0	\$317	\$ -	\$1,584	\$5,559	\$7,143	\$1,426		
47	1860	Meters (Smart Meters)	\$559,777	\$0	\$14,300	\$0	\$574,077	\$170,036	\$0	\$45,601	\$ -	\$215,637	\$358,440	\$566,927	\$192,836		
N/A	1905	Land	\$28,300	\$0	\$0	\$0	\$28,300	\$0	\$0	\$0	\$ -	\$0	\$28,300	\$28,300	\$0		
47	1908	Buildings & Fixtures	\$676,821	\$0	\$2,000	\$0	\$678,821	\$137,913	\$0	\$35,489	\$ -	\$173,402	\$505,419	\$677,821	\$155,658		
13	1910	Leasehold Improvements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
8	1915	Office Furniture & Equipment (10 years)	\$27,584	\$0	\$3,750	\$0	\$31,334	\$13,127	\$0	\$3,441	\$ -	\$16,568	\$14,766	\$29,459	\$14,847		
8	1915	Office Furniture & Equipment (5 years)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
10	1920	Computer Equipment - Hardware	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
45	1920	Computer Equip.-Hardware(Post Mar. 22/04)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
45.1	1920	Computer Equip.-Hardware(Post Mar. 19/07)	\$11,389	\$0	\$4,500	\$0	\$15,889	\$8,183	\$0	\$1,612	\$ -	\$9,795	\$6,094	\$13,639	\$8,989		
10	1930	Transportation Equipment	\$6,392	\$0	\$0	\$0	\$6,392	\$6,392	\$0	\$0	\$ -	\$6,392	\$0	\$6,392	\$6,392		
8	1935	Stores Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
8	1940	Tools, Shop & Garage Equipment	\$20,977	\$0	\$0	\$0	\$20,977	\$9,186	\$0	\$2,469	\$ -	\$11,655	\$9,322	\$20,977	\$10,421		
8	1945	Measurement & Testing Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
8	1950	Power Operated Equipment	\$2,222	\$0	\$0	\$0	\$2,222	\$870	\$0	\$292	\$ -	\$1,162	\$1,060	\$2,222	\$1,016		
8	1955	Communications Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
8	1955	Communication Equipment (Smart Meters)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
8	1960	Miscellaneous Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
47	1970	Load Management Controls Customer Premises	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
47	1975	Load Management Controls Utility Premises	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
47	1980	System Supervisor Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
47	1985	Miscellaneous Fixed Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
47	1990	Other Tangible Property	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
47	1995	Contributions & Grants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
N/A	2055	Construction in progress	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
	etc.	Contributions & Grants	-\$337,664	\$0	-\$10,000	\$0	-\$347,664	-\$30,189	\$0	-\$8,982	\$ -	-\$39,171	-\$308,493	-\$342,664	-\$34,680		
			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$0	\$0	\$0	\$0		
		Sub-Total	\$7,890,599	\$0	\$165,830	\$0	\$8,056,429	\$783,088		\$281,068	\$ -	\$1,064,156	\$6,992,273	\$7,973,514	\$923,622		
		Less Socialized Renewable Energy Generation Investments (input as negative)Less Socialized Renewable Energy Generation Investments (input as negative)					\$0					\$0	\$0				
		Less Other Non Rate-Regulated Utility Assets (input as negative)Less Other Non Rate-Regulated Utility Assets (input as negative)					\$0					\$0	\$0				
		Total PP&E	\$7,890,599		\$165,830	\$0	\$8,056,429	\$783,088		\$281,068	\$ -	\$1,064,156	\$6,992,273				
		Depreciation Expense adj. from gain or loss on the retirement of assets (pool of like assets)															
		Total								\$281,068							

10		Transportation
8		Stores Equipment
8		Tools, Shop
8		Meas/Testing
8		Communication

Less: Fully Allocated Depreciation

Transportation

Stores Equipment

Tools, Shop

Meas/Testing

Communication

Net Depreciation

\$281,068

## **C. Bill Impacts**





The bill comparisons below must be provided for typical customers and consumption levels. Bill impacts must be provided for residential customers consuming 750 kWh per month and general service customers consuming 2,000 kWh per month and having a monthly demand of less than 50 kW. Include bill comparisons for Non-RPP (retailer) as well. **The OEB has established that, when assessing the combined effects of the shift to fixed rates and other bill impacts associated with changes in the cost of distribution service, a utility shall evaluate the total bill impact for a low volume residential customer consuming at the distributor's 10th consumption percentile<sup>19</sup>, to a minimum of 50 kWh per month. Refer to page 62 of Chapter 2 Filing Requirements For Electricity Distribution Rate Applications issued July 14, 2016.**

For certain classes where one or more customers have unique consumption and demand patterns and which may be significantly impacted by the proposed rate changes, the distributor must show a typical comparison, and provide an explanation.

Note:

1. For those classes that are not eligible for the RPP price, the weighted average price including Class B GA through end of May 2016 of \$0.113/kWh (IESO's Monthly Market Report for May 2016, page 22) has been used to represent the cost of power. For those classes on a retailer contract, applicants should enter the contract price (plus GA) for a more accurate estimate. Changes to the cost of power can be made directly on the bill impact chart for the specific class.
2. Due to the change to energy consumption used in the calculation of GA rate riders for the 2017 rate year, the separate "GA Rate Riders" line is only applicable to the "Proposed" section of the bill impact tables.
3. Please enter the applicable billing determinant (e.g. number of connections or devices) to be applied to the monthly service charge for unmetered rate classes in column N. If the monthly service charge is applied on a per customer basis, enter the number "1". Distributors should provide the number of connections or devices reflective of a typical customer in each class.

Note that cells with the highlighted color shown to the left indicate quantities that are loss adjusted.

### Table 1

[illegible]

## Table 2

	RATE CLASSES / CATEGORIES (eg: Residential TOU, Residential Retailer)	Units	Sub-Total						Total	
			A		B		C		A + B + C	
			\$	%	\$	%	\$	%	\$	%
1	RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	\$ (20.77)	-129.8%	\$ (16.84)	-82.7%	\$ (16.32)	-56.4%	\$ (17.97)	-18.1%
2	GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION - RPP	kWh	\$ 2.01	7.1%	\$ (5.33)	-13.8%	\$ (4.13)	-7.0%	\$ (6.57)	-2.5%

3	GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION - Non-RPP (Retailer)	kW	\$	(189.84)	-32.1%	\$	(444.55)	-68.4%	\$	(381.74)	-23.7%	\$	(478.40)	-9.0%
4	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$	(6.81)	-27.7%	\$	(25.91)	-47.3%	\$	(23.15)	-22.6%	\$	(31.71)	-4.2%
5	SENTINEL LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kWh	\$	32.32	6.2%	\$	(108.75)	-19.0%	\$	(108.75)	-19.0%	\$	(123.08)	-18.5%
6	STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kWh	\$	(9,960.15)	-11.1%	\$	(30,148.65)	-32.4%	\$	(30,148.65)	-32.4%	\$	(34,092.02)	-31.8%
7	RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$	(20.77)	-125.8%	\$	(13.99)	-65.0%	\$	(13.99)	-65.0%	\$	(15.53)	-13.7%
8	RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	\$	(19.72)	-138.0%	\$	(17.47)	-109.9%	\$	(17.47)	-109.9%	\$	(18.70)	-41.0%
9	RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$	(19.72)	-138.0%	\$	(16.28)	-99.4%	\$	(16.28)	-99.4%	\$	(17.44)	-31.7%
10														
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40														

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
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	\$ 15.32	1	\$ 15.32	\$ 3.42	28.74%
Distribution Volumetric Rate	\$ 0.0051	750	\$ 3.83	\$ 0.0028	750	\$ 2.10	\$ (1.73)	-45.10%
Fixed Rate Riders	\$ 0.79	1	\$ 0.79	\$ (21.60)	1	\$ (21.60)	\$ (22.39)	-2834.18%
Volumetric Rate Riders	\$ -	750	\$ -	-\$ 0.0001	750	\$ (0.08)	\$ (0.08)	
<b>Sub-Total A (excluding pass through)</b>			\$ 16.52			\$ (4.26)	\$ (20.77)	-125.76%
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	\$ -	\$ 0.0034	750	\$ 2.55	\$ 2.55	
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			\$ 3.53	\$ (16.84)	-82.68%
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			\$ 12.59	\$ (16.32)	-56.44%
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			\$ 77.54	\$ (17.12)	-18.09%
HST	13%		\$ 12.31	13%		\$ 10.08	\$ (2.23)	-18.09%
8% Rebate	8%		\$ (7.57)	8%		\$ (6.20)	\$ 1.37	
<b>Total Bill on TOU</b>			\$ 99.39			\$ 81.41	\$ (17.97)	-18.09%

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	\$ 0.0072	2000	\$ 14.40	\$ 2.20	18.03%
Fixed Rate Riders	\$ 0.79	1	\$ 0.79	\$ -	1	\$ -	\$ (0.79)	-100.00%
Volumetric Rate Riders	\$ -	2000	\$ -	\$ 0.0003	2000	\$ 0.60	\$ 0.60	
<b>Sub-Total A (excluding pass through)</b>			\$ 28.46			\$ 30.47	\$ 2.01	7.06%
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			\$ 33.22	\$ (5.33)	-13.82%
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			\$ 55.08	\$ (4.13)	-6.97%
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			\$ 241.85	\$ (6.26)	-2.52%
HST	13%		\$ 32.25	13%		\$ 31.44	\$ (0.81)	-2.52%
8% Rebate	8%		\$ (19.85)	8%		\$ (19.35)	\$ 0.50	
<b>Total Bill on TOU</b>			\$ 260.52			\$ 253.94	\$ (6.57)	-2.52%

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	\$ 2.1120	240	\$ 506.88	\$ 15.60	3.18%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	240	\$ -	\$ 0.8560	240	\$ (205.44)	\$ (205.44)	
Sub-Total A (excluding pass through)			\$ 592.27			\$ 402.43	\$ (189.84)	-32.05%
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	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 650.33			\$ 205.77	\$ (444.55)	-68.36%
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%
Sub-Total C - Delivery (including Sub-Total B)			\$ 1,608.05			\$ 1,226.30	\$ (381.74)	-23.74%
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%
Total Bill on Non-RPP Avg. Price			\$ 4,685.36			\$ 4,262.00	\$ (423.36)	-9.04%
HST	13%		\$ 609.10	13%		\$ 554.06	\$ (55.04)	-9.04%
Total Bill on Non-RPP Avg. Price			\$ 5,294.46			\$ 4,816.06	\$ (478.40)	-9.04%



Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION		
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	\$ 7.18	1	\$ 7.18	\$ 0.55	8.30%
Distribution Volumetric Rate	\$ 0.0039	4600	\$ 17.94	\$ 0.0042	4600	\$ 19.32	\$ 1.38	7.69%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	4600	\$ -	\$ 0.0019	4600	\$ (8.74)	\$ (8.74)	
Sub-Total A (excluding pass through)			\$ 24.57			\$ 17.76	\$ (6.81)	-27.72%
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	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 54.73			\$ 28.82	\$ (25.91)	-47.34%
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%
Sub-Total C - Delivery (including Sub-Total B)			\$ 102.25			\$ 79.09	\$ (23.15)	-22.65%
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%
Total Bill on Non-RPP Avg. Price			\$ 664.67			\$ 636.61	\$ (28.06)	-4.22%
HST	13%		\$ 86.41	13%		\$ 82.76	\$ (3.65)	-4.22%
Total Bill on Non-RPP Avg. Price			\$ 751.07			\$ 719.37	\$ (31.71)	-4.22%

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	\$ 3.9630	123	\$ 487.45	\$ 82.29	20.31%
Fixed Rate Riders	\$ -	72	\$ -	\$ -	72	\$ -	\$ -	
Volumetric Rate Riders	\$ -	123	\$ -	\$ 0.4062	123	\$ (49.96)	\$ (49.96)	
Sub-Total A (excluding pass through)			\$ 524.68			\$ 557.01	\$ 32.32	6.16%
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	\$ 0.8183	123	\$ 100.65	\$ 53.69	114.33%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 572.38			\$ 463.63	\$ (108.75)	-19.00%
RTSR - Network	\$ -	130	\$ -	\$ -	129	\$ -	\$ -	
RTSR - Connection and/or Line and Transformation Connection	\$ -	130	\$ -	\$ -	129	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 572.38			\$ 463.63	\$ (108.75)	-19.00%
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%
Total Bill on Average IESO Wholesale Market Price			\$ 587.41			\$ 478.49	\$ (108.92)	-18.54%
HST	13%		\$ 76.36	13%		\$ 62.20	\$ (14.16)	-18.54%
Total Bill on Average IESO Wholesale Market Price			\$ 663.78			\$ 540.70	\$ (123.08)	-18.54%

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION	
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	\$ 0.60	1197	\$ 718.20	\$ 59.85	9.09%
Distribution Volumetric Rate	\$ 5.9651	15000	\$ 89,476.50	\$ 6.4599	15000	\$ 96,898.50	\$ 7,422.00	8.29%
Fixed Rate Riders	\$ -	1197	\$ -	\$ -	1197	\$ -	\$ -	
Volumetric Rate Riders	\$ -	15000	\$ -	\$ 1.1628	15000	\$ (17,442.00)	\$ (17,442.00)	
Sub-Total A (excluding pass through)			\$ 90,134.85			\$ 80,174.70	\$ (9,960.15)	-11.05%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ -	15,000	\$ -	\$ 1.5635	15,000	\$ (23,452.50)	\$ (23,452.50)	
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	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 92,939.85			\$ 62,791.20	\$ (30,148.65)	-32.44%
RTSR - Network	\$ -	15,812	\$ -	\$ -	15,764	\$ -	\$ -	
RTSR - Connection and/or Line and Transformation Connection	\$ -	15,812	\$ -	\$ -	15,764	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 92,939.85			\$ 62,791.20	\$ (30,148.65)	-32.44%
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%
Total Bill on Average IESO Wholesale Market Price			\$ 94,863.17			\$ 64,693.24	\$ (30,169.93)	-31.80%
HST	13%		\$ 12,332.21	13%		\$ 8,410.12	\$ (3,922.09)	-31.80%
Total Bill on Average IESO Wholesale Market Price			\$ 107,195.38			\$ 73,103.36	\$ (34,092.02)	-31.80%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
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	\$ 15.32	1	\$ 15.32	\$ 3.42	28.74%
Distribution Volumetric Rate	\$ 0.0051	750	\$ 3.83	\$ 0.0028	750	\$ 2.10	\$ (1.73)	-45.10%
Fixed Rate Riders	\$ 0.79	1	\$ 0.79	\$ (21.60)	1	\$ (21.60)	\$ (22.39)	-2834.18%
Volumetric Rate Riders	\$ -	750	\$ -	\$ 0.0001	750	\$ (0.08)	\$ (0.08)	
Sub-Total A (excluding pass through)			\$ 16.52			\$ (4.26)	\$ (20.77)	-125.76%
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	\$ -	\$ 0.0034	750	\$ 2.55	\$ 2.55	
GA Rate Riders	\$ 0	750	\$ -	\$ 0.0039	750	\$ 2.93	\$ 2.93	
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	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 21.51			\$ 7.52	\$ (13.99)	-65.03%
RTSR - Network	\$ -	791	\$ -	\$ -	788	\$ -	\$ -	
RTSR - Connection and/or Line and Transformation Connection	\$ -	791	\$ -	\$ -	788	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ 21.51			\$ 7.52	\$ (13.99)	-65.03%
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%
Total Bill on Non-RPP Avg. Price			\$ 107.96			\$ 93.17	\$ (14.79)	-13.70%
HST	13%		\$ 14.03	13%		\$ 12.11	\$ (1.92)	-13.70%
8% Rebate	8%		\$ (8.64)	8%		\$ (7.45)		
Total Bill on Non-RPP Avg. Price			\$ 113.35			\$ 97.83	\$ (15.53)	-13.70%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
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	\$ 15.32	1	\$ 15.32	\$ 3.42	28.74%
Distribution Volumetric Rate	\$ 0.0051	313	\$ 1.60	\$ 0.0028	313	\$ 0.88	\$ (0.72)	-45.10%
Fixed Rate Riders	\$ 0.79	1	\$ 0.79	\$ (21.60)	1	\$ (21.60)	\$ (22.39)	-2834.18%
Volumetric Rate Riders	\$ -	313	\$ -	-\$ 0.0001	313	\$ (0.03)	\$ (0.03)	
<b>Sub-Total A (excluding pass through)</b>			\$ 14.29			\$ (5.43)	\$ (19.72)	-138.04%
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	\$ -	\$ 0.0034	313	\$ 1.06	\$ 1.06	
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			\$ (1.58)	\$ (17.47)	-109.91%
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			\$ (1.58)	\$ (17.47)	-109.91%
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			\$ 25.67	\$ (17.81)	-40.95%
HST	13%		\$ 5.65	13%		\$ 3.34	\$ (2.31)	-40.95%
8% Rebate	8%		\$ (3.48)	8%		\$ (2.05)	\$ 1.42	
<b>Total Bill on TOU</b>			\$ 45.65			\$ 26.96	\$ (18.70)	-40.95%

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	\$ 15.32	1	\$ 15.32	\$ 3.42	28.74%
Distribution Volumetric Rate	\$ 0.0051	313	\$ 1.60	\$ 0.0028	313	\$ 0.88	\$ (0.72)	-45.10%
Fixed Rate Riders	\$ 0.79	1	\$ 0.79	\$ (21.60)	1	\$ (21.60)	\$ (22.39)	-2834.18%
Volumetric Rate Riders	\$ -	313	\$ -	-\$ 0.0001	313	\$ (0.03)	\$ (0.03)	
<b>Sub-Total A (excluding pass through)</b>			\$ 14.29			\$ (5.43)	\$ (19.72)	-138.04%
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	\$ -	\$ 0.0034	313	\$ 1.06	\$ 1.06	
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			\$ 0.09	\$ (16.28)	-99.45%
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			\$ 0.09	\$ (16.28)	-99.45%
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			\$ 35.83	\$ (16.61)	-31.68%
HST	13%		\$ 6.82	13%		\$ 4.66	\$ (2.16)	-31.68%
8% Rebate	8%		\$ (4.20)	8%		\$ (2.87)		
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 55.07			\$ 37.63	\$ (17.44)	-31.68%

## **D. Tariff Sheet**



# Hydro Hawkesbury Inc.

## TARIFF OF RATES AND CHARGES

### Effective and Implementation Date January 1, 2018

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

EB-2017-0048

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 - approved on an interim basis	\$	15.32
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate - approved on an interim basis	\$/kWh	0.0028
Rate Rider for Calculation for Deferral/Variance Accounts Balances (excluding Global Adj.)	\$/kWh	0.0034
Adj.) - NON-WMP	\$/kWh	(0.0082)
Rate Rider for Calculation for RSVA - Power - Global Adjustment	\$/kWh	0.0039
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts	\$	0.26
Rate Rider for Station Refund	\$	-21.60
Rate Rider for LRAMVA - effective until December 31, 2018	\$/kWh	-0.0001
Low Voltage Service Rate	\$/kWh	0.0014
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 and Implementation Date January 1, 2018**  
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EB-2017-0048

**ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS**

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

**APPLICATION**

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

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

In this class:

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

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

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

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

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

**MONTHLY RATES AND CHARGES**

**Class A**

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

OESP Credit \$ (30.00)

**Class B**

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

OESP Credit \$ (34.00)

**Class C**

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

OESP Credit \$ (38.00)

**Class D**

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

OESP Credit \$ (42.00)

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

**Class E**

Class E comprises account-holders with a household income and household size described under Class A who also meet any of the following conditions:

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

OESP Credit \$ (45.00)

**Class F**

- (a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or
- (c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:
  - i. the dwelling to which the account relates is heated primarily by electricity;
  - ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
  - iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates

OESP Credit \$ (50.00)

**Class G**

Class G comprises account-holders with a household income and household size described under Class C who also meet any of the following conditions:

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

OESP Credit \$ (55.00)

**Class H**

Class H comprises account-holders with a household income and household size described under Class D who also meet any of the following conditions:

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

OESP Credit \$ (60.00)

**Class I**

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

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

OESP Credit \$ (75.00)

**Hydro Hawkesbury Inc.**  
**TARIFF OF RATES AND CHARGES**  
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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 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 - approved on an interim basis	\$	15.47
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate - approved on an interim basis	\$/kWh	0.0072
Rate Rider for Calculation for Deferral/Variance Accounts Balances (excluding Global Adj.)	\$/kWh	0.0034
NON-WMP	\$/kWh	(0.0082)
Rate Rider for Calculation for RSVA - Power - Global Adjustment	\$/kWh	0.0039
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts	\$/kWh	0.0003
Rate Rider for Station Refund	\$/kWh	-0.0018
Rate Rider for LRAMVA - effective until December 31, 2018	\$/kWh	0.0021
Low Voltage Service Rate	\$/kWh	0.0013
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**  
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**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 - approved on an interim basis	\$	100.99
Distribution Volumetric Rate - approved on an interim basis	\$/kW	2.1120
Rate Rider for Calculation for Deferral/Variance Accounts Balances (excluding Global Adj.)	\$/kW	1.3106
NON-WMP	\$/kW	(3.1528)
Rate Rider for Calculation for RSVA - Power - Global Adjustment	\$/kW	0.0039
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts	\$/kW	0.1144
Rate Rider for Station Refund	\$/kW	-0.7508
Rate Rider for LRAMVA - effective until December 31, 2018	\$/kW	-0.1052
Low Voltage Service Rate	\$/kW	0.5184
Retail Transmission Rate - Network Service Rate	\$/kW	2.7786
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4736

**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 and Implementation Date January 1, 2018**  
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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) - approved on an interim basis	\$	7.18
Distribution Volumetric Rate - approved on an interim basis	\$/kWh	0.0042
Rate Rider for Calculation for Deferral/Variance Accounts Balances (excluding Global Adj.)	\$/kWh	0.0034
NON-WMP	\$/kWh	(0.0082)
Rate Rider for Calculation for RSVA - Power - Global Adjustment	\$/kWh	0.0000
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts	\$/kWh	0.0003
Rate Rider for Station Refund	\$/kWh	-0.0018
Rate Rider for LRAMVA - effective until December 31, 2018	\$/kWh	-0.0001
Low Voltage Service Rate	\$/kWh	0.0013
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 and Implementation Date January 1, 2018**  
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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) - approved on an interim basis	\$	1.66
Distribution Volumetric Rate - approved on an interim basis	\$/kW	3.9630
Rate Rider for Calculation for Deferral/Variance Accounts Balances (excluding Global Adj.)	\$/kW	1.2037
NON-WMP	\$/kW	(2.8958)
Rate Rider for Calculation for RSVA - Power - Global Adjustment	\$/kW	0.0039
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts	\$/kW	0.1051
Rate Rider for LRAMVA - effective until December 31, 2018	\$/kW	-0.2210
Rate Rider for Station Refund	\$/kW	-0.1852
Low Voltage Service Rate	\$/kW	0.8183
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 and Implementation 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.

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) - approved on an interim basis	\$/kW	0.60
Distribution Volumetric Rate - approved on an interim basis	\$/kW	6.4599
Low Voltage Service Rate	\$/kW	0.4007
Rate Rider for Calculation for Deferral/Variance Accounts Balances (excluding Global Adj.)	\$/kW	1.1885
NON-WMP	\$/kW	(2.8558)
Rate Rider for Calculation for RSVA - Power - Global Adjustment	\$/kW	0.0039
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts	\$/kW	0.1038
Rate Rider for LRAMVA - effective until December 31, 2018	\$/kW	-0.5824
Rate Rider for Station Refund	\$/kW	-0.5804
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**  
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**microFIT SERVICE CLASSIFICATION**

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

**APPLICATION**

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

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

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

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

**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge	\$ 5.40
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**Hydro Hawkesbury Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2018**  
This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors

EB-2017-0048

**ALLOWANCES**

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

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EB-2017-0048

**SPECIFIC SERVICE CHARGES**

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

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

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

**Customer Administration**

Arrears certificate	\$	15.00
Statement of account	\$	15.00
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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EB-2017-0048

**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

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**EB-2017-0048**

**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

## **E. Cost of Power Calculations**

Power Supply Expense

Determination of Commodity

		Last Actual kWh's	non-RPP			RPP	non-RPP	RPP
Customer Class Name		Last Actual kWh's	non GA mod	GA mod	Total		%	%
Residential		48,033,529		1,304,037	1,304,037	46,729,492	2.71%	97.29%
General Service < 50 kW		18,569,272		2,562,886	2,562,886	16,006,386	13.80%	86.20%
General Service > 50 to 4999 kW		73,896,610	73,896,610		73,896,610	-0	100.00%	0.00%
Unmetered Scattered Load		293,553			-	293,553	0.00%	100.00%
Sentinel Lighting		88,568		4,458	4,458	84,110	5.03%	94.97%
Street Lighting		643,599	643,599		643,599	-0	100.00%	0.00%
TOTAL		141,525,131	74,540,209	3,871,381	78,411,590	63,113,541		
%		100.00%	52.67%	2.74%		44.60%		

Forecast Price GA modifier \$32.90 Regulated Price Plan Prices and the Global Adjustment Modifier for the Period July 1, 2017 to April 30, 2018. Table 1: GA Modifier per mWh

HOEP (\$/MWh)				\$24.83	\$24.83
Global Adjustment (\$/MWh)				\$87.67	\$54.77
Adjustments					\$2.40
TOTAL (\$/MWh)				\$112.50	\$82.00
\$/kWh				\$0.11250	\$0.08200
%				52.67%	2.74%
WEIGHTED AVERAGE PRICE		\$0.0981		\$0.0593	\$0.0022

\$82.00
\$0.08200
44.60%
\$0.0366

Note: Table ES-1 from current RPP report - Load Weighted price for RPP Consumers  
Note: Table ES-1 from current RPP report - Impact of Global Adjustment  
Note: Table ES-1 from current RPP report - Average Supply Cost for RPP Consumers (\$ / MWh)  
Regulated Price Plan Price Report May 1, 2017 to April 30, 2018 Ontario Energy Board  
April 20, 2017. Table ES-1: Average RPP Supply Cost Summary.

Electricity Projections

(volumes for the bridge and test year are automatically loss adjusted)

				2017			2018		
Customer		Revenue	Expense						
Class Name		USA #	USA #	Volume	rate (\$/kWh):	Amount	Volume	rate (\$/kWh):	Amount
Residential	kWh	4006	4705	53,442,779	0.1156	\$6,177,985	53,024,313	\$0.09806	\$5,199,783
General Service < 50 kW	kWh	4010	4705	20,105,119	0.1156	\$2,324,152	18,793,828	\$0.09806	\$1,843,000
General Service > 50 to 4999 kW	kWh	4035	4705	89,781,121	0.1156	\$10,378,698	89,478,883	\$0.09806	\$8,774,668
Unmetered Scattered Load	kWh	4010	4705	309,434	0.1156	\$35,771	454,377	\$0.09806	\$44,558
Sentinel Lighting	kWh	4025	4705	93,360	0.1156	\$10,792	88,936	\$0.09806	\$8,721
Street Lighting	kWh	4025	4705	678,417	0.1156	\$78,425	679,429	\$0.09806	\$66,628
#REF!	kWh	4025	4705	0	0.1156	\$0	0	\$0.09806	\$0
#REF!	kWh	4025	4705	0	0.1156	\$0	0	\$0.09806	\$0
#REF!	kWh	4025	4705	0	0.1156	\$0	0	\$0.09806	\$0
TOTAL				163,731,812		\$18,927,398	161,840,337		\$15,870,730

Transmission - Network

(volumes for the bridge and test year are automatically loss adjusted)

				2017			2018		
Customer		Revenue	Expense						
Class Name		USA #	USA #	Volume	Rate	Amount	Volume	Rate	Amount
Residential	kWh	4066	4714	53,442,779	0.0072	\$385,267	53,024,313	0.0074	\$395,025
General Service < 50 kW	kWh	4066	4714	20,105,119	0.0066	\$132,689	18,793,828	0.0068	\$128,180
General Service > 50 to 4999 kW	kW	4066	4714	188,567	2.6887	\$507,007	221,782	2.7786	\$616,243
Unmetered Scattered Load	kWh	4066	4714	309,434	0.0066	\$2,042	454,377	0.0068	\$3,099
Sentinel Lighting	kW	4066	4714	265	2.0285	\$538	240	2.0963	\$503
Street Lighting	kW	4066	4714	1,849	2.0279	\$3,749	1,857	2.0957	\$3,892
TOTAL				74,046,164		\$1,027,542	72,494,540		\$1,143,050

**Transmission - Connection**

*(volumes for the bridge and test year are automatically loss adjusted)*

				2017			2018		
Customer		Revenue	Expense						
Class Name		USA #	USA #	Volume	Rate	Amount	Volume	Rate	Amount
Residential	kWh	4068	4716	53,442,779	0.0036	\$191,832	53,024,313	0.0041	\$215,439
General Service < 50 kW	kWh	4068	4716	20,105,119	0.0032	\$63,677	18,793,828	0.0036	\$67,376
General Service > 50 to 4999 kW	kW	4068	4716	188,567	1.3018	\$245,480	221,782	1.4736	\$326,809
Unmetered Scattered Load	kWh	4068	4716	309,434	0.0032	\$980	454,377	0.0036	\$1,629
Sentinel Lighting	kW	4068	4716	265	2.0549	\$545	240	2.3260	\$558
Street Lighting	kW	4068	4716	1,849	1.0063	\$1,860	1,857	1.1391	\$2,115
<b>TOTAL</b>				<b>74,046,164</b>		<b>\$502,513</b>	<b>72,494,540</b>		<b>\$611,811</b>

**Wholesale Market Service**

*(volumes for the bridge and test year are automatically loss adjusted)*

				2017			2018		
Customer		Revenue	Expense		rate (\$/kWh):	0.0052		rate (\$/kWh):	0.0052
Class Name		USA #	USA #	Volume		Amount	Volume		Amount
Residential	kWh	4062	4708	53,442,779	0.00360	\$192,394	53,024,313	0.00360	\$190,888
General Service < 50 kW	kWh	4062	4708	20,105,119	0.00360	\$72,378	18,793,828	0.00360	\$67,658
General Service > 50 to 4999 kW	kWh	4062	4708	89,781,121	0.00360	\$323,212	89,478,883	0.00360	\$322,124
Unmetered Scattered Load	kWh	4062	4708	309,434	0.00360	\$1,114	454,377	0.00360	\$1,636
Sentinel Lighting	kWh	4062	4708	93,360	0.00360	\$336	88,936	0.00360	\$320
Street Lighting	kWh	4062	4708	678,417	0.00360	\$2,442	679,429	0.00360	\$2,446
<b>TOTAL</b>				<b>163,731,812</b>		<b>\$589,435</b>	<b>161,840,337</b>		<b>\$582,625</b>

**Rural Rate Protection**

*(volumes for the bridge and test year are automatically loss adjusted)*

				2017			2018		
Customer		Revenue	Expense		rate (\$/kWh):			rate (\$/kWh):	
Class Name		USA #	USA #	Volume		Amount	Volume		Amount
Residential	kWh	4062	4730	53,442,779	0.00130	\$69,476	53,024,313	0.00030	\$15,907
General Service < 50 kW	kWh	4062	4730	20,105,119	0.00130	\$26,137	18,793,828	0.00030	\$5,638
General Service > 50 to 4999 kW	kWh	4062	4730	89,781,121	0.00130	\$116,715	89,478,883	0.00030	\$26,844
Unmetered Scattered Load	kWh	4062	4730	309,434	0.00130	\$402	454,377	0.00030	\$136
Sentinel Lighting	kWh	4062	4730	93,360	0.00130	\$121	88,936	0.00030	\$27
Street Lighting	kWh	4062	4730	678,417	0.00130	\$882	679,429	0.00030	\$204
<b>TOTAL</b>				<b>163,731,812</b>		<b>\$212,851</b>	<b>161,840,337</b>		<b>\$48,552</b>

**Smart Meter Entity Charge**

*(per customer)*

				2017			2018		
Customer		Revenue	Expense		rate (\$/kWh):			rate (\$/kWh):	
Class Name		USA #	USA #	Volume		Amount	Volume		Amount
Residential	kWh			4,830	0.79000	\$45,788	4,836	0.79000	\$45,845
General Service < 50 kW	kWh			613	0.79000	\$5,814	618	0.79000	\$5,854
General Service > 50 to 4999 kW	kW			88	0.79000	\$833	89	0.79000	\$842
<b>TOTAL</b>				<b>5,531</b>		<b>\$52,435</b>	<b>5,542</b>		<b>\$52,541</b>

		2017			2018		
Customer		Revenue	Expense	rate (\$/kWh):		rate (\$/kWh):	
Class Name		USA #	USA #	Volume	Amount	Volume	Amount
Residential	kWh			53,442,779	0.00000 \$0	53,024,313	0.00000 \$0
TOTAL				53,442,779	\$0	53,024,313	\$0

Low Voltage Charges - Historical and Proposed LV Charges

				2014	2015	2016	2017	2018
4075-Billed - LV				(\$51,804)	(\$51,300)	\$90,976	\$90,976	\$90,976
4750-Charges - LV				\$85,933	\$89,485	\$211,136	\$211,136	\$211,136

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

(volumes are not loss adjusted)

ALLOCATON BASED ON TRANSMISSION-CONNECTION REVENUE					
Customer Class Name		RTSR Rate	Not Uplifted Volumes	Revenue	% Alloc
Residential	kWh	\$0.0041	50,454,856	\$204,999	34.16%
General Service < 50 kW	kWh	\$0.0036	17,883,115	\$64,111	10.68%
General Service > 50 to 4999 kW	kW	\$1.4736	221,782	\$326,809	54.46%
Unmetered Scattered Load	kWh	\$0.0036	432,358	\$1,550	0.26%
Sentinel Lighting	kW	\$2.3260	240	\$558	0.09%
Street Lighting	kW	\$1.1391	1,857	\$2,115	0.35%
TOTAL			68,994,209	\$600,142	100.00%

Low Voltage Charges Rate Rider Calculations

(volumes are not loss adjusted)

PROPOSED LOW VOLTAGE CHARGES & RATES							
Customer Class Name	% Allocation			Charges	Not Uplifted Volumes	Rate	per
Residential	34.16%			72,121	50,454,856	\$0.0014	kWh
General Service < 50 kW	10.68%			22,555	17,883,115	\$0.0013	kWh
General Service > 50 to 4999 kW	54.46%			114,975	221,782	\$0.5184	kW
Unmetered Scattered Load	0.26%			545	432,358	\$0.0013	kWh
Sentinel Lighting	0.09%			196	240	\$0.8183	kW
Street Lighting	0.35%			744	1,857	\$0.4007	kW
TOTAL	100.00%			211,136	68,994,209		

Low Voltage Charges to be added to power supply expense for bridge and test year.

(volumes are not loss adjusted)

Customer		Revenue	Expense	2017			2018		
Class Name		USA #	USA #	Volume	Rate	Amount	Volume	Rate	Amount
Residential	kWh	4075	4750	50,699,914	\$0.0007	\$35,490	50,454,856	\$0.0014	\$70,637
General Service < 50 kW	kWh	4075	4750	19,073,256	\$0.0006	\$11,444	17,883,115	\$0.0013	\$23,248
General Service > 50 to 4999 kW	kW	4075	4750	188,567	\$0.2419	\$45,614	221,782	\$0.5184	\$114,972
Unmetered Scattered Load	kWh	4075	4750	293,553	\$0.0006	\$176	432,358	\$0.0013	\$562
Sentinel Lighting	kW	4075	4750	265	\$0.3818	\$101	240	\$0.8183	\$196
Street Lighting	kW	4075	4750	1,849	\$0.1870	\$346	1,857	\$0.4007	\$744
TOTAL		0	0	70,257,403		\$93,171	68,994,209		\$210,359

Projected Power Supply Expense					\$21,405,345			\$18,519,668
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