

**Oshawa**



**PUC Networks Inc.**

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November 23, 2015

Board Secretary  
Ontario Energy Board  
P.O. Box 2319  
27<sup>th</sup> Floor, 2300 Yonge Street  
Toronto, Ontario  
M4P 1E4

**Re: Oshawa PUC Networks Inc. (ED-2002-0560)  
2015 Cost of Service Rate Application  
(EB-2014-0101)  
Draft Rate Order**

Dear Ms. Walli:

Please find accompanying this letter a copy of Oshawa PUC Networks Inc.'s Draft Rate Order, Draft Tariff of Rates and Charges and supporting calculations.

An electronic copy of this document and an Excel version of the Revenue Requirement Work Form ("RRWF") have been filed through the Board's RESS web portal. Two hard copies of the Draft Rate Order will be forwarded to the OEB office by courier.

Yours truly,



Phil Martin

VP, Finance & Regulatory Compliance

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**ONTARIO ENERGY BOARD**

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

**AND IN THE MATTER OF** an Application by Oshawa PUC  
Networks Inc. for an Order approving rates and other service  
charges for the distribution of electricity for the years 2015  
through 2019.

**DRAFT RATE ORDER**

**INTRODUCTION**

Oshawa PUC Networks Inc. (“Oshawa”) filed a Custom Incentive Rate-setting Application (“Custom IR” or the “Application”) with the Ontario Energy Board (the “Board”) on January 29, 2015 under section 78 of the Ontario Energy Board Act, 1998, S.O. 1998, c. 15, (Schedule B), seeking approval for five years of distribution rates to come into effect on January 1 of each year from 2015 to 2019. The Board assigned File Number EB-2014-0101 to the Application.

The Board issued a Notice of Application and Hearing on February 18, 2015. On March 20, 2015, the Board issued Procedural Order No. 1 in which it approved the intervention and cost eligibility status of five parties.

The following parties requested and were granted intervenor status: Energy Probe Research Foundation (“Energy Probe”); the School Energy Coalition (“SEC”); the Vulnerable Energy Consumers' Coalition (“VECC”); the Consumers Council of Canada (“CCC”); and the Greater Oshawa Chamber of Commerce (“GOCC”).

In accordance with Procedural Order No’s 1 and 2, a technical conference was held on May 21<sup>st</sup> and 22<sup>nd</sup> followed by a Settlement Conference held on June 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup>. Parties were unable to come to an agreement on any of the issues.

The Board decided to proceed with an oral hearing, followed by written argument and issued Procedural Order No. 4 on June 16, 2015 outlining orders to that affect. An oral hearing was held on June 30<sup>th</sup> and July 2<sup>nd</sup>, 3<sup>rd</sup> and 9<sup>th</sup>.

On July 15, 2015, Oshawa filed its Argument-In-Chief to which Board staff issued their Final Argument on July 17<sup>th</sup> and all intervenors-of-record delivered Final Arguments on July 24<sup>th</sup>.

Following Final Arguments, Oshawa filed its Reply Argument on August 17, 2015 and thereafter the Board issued its Decision on all matters in this Application on November 12, 2015.

In its Decision and Order on Oshawa's application, The Board approved rates for 2015, 2016 and 2017 on a final basis, and rates for 2018 and 2019 on an interim basis, pending a mid-term application for adjustment and finalization of 2018 and 2019 revenue requirement and rates in accord with updates to:

- Actual and forecast customer connections and consumption.
- Capital expenditures, net of contributions, resulting from:
  - Regional planning;
  - Third party requests for plant relocations; and
  - New customer connections.
- Cost and schedule of the MS9 substation project and the proposed Hydro One Enfield TS, as well as any related capital contributions to Hydro One by Oshawa.
- Cost of capital.
- Working capital requirements based on an updated forecast for the cost of power.
- Comparisons of OEB-approved to actual for 2015-2017.
- Comparisons of the approved forecast for 2018 and 2019 that are used to set interim rates as a result of this Decision and updated forecasts for 2018 and 2019.
- Comparisons of the interim rates for 2018 and 2019 set as a result of this Decision and the rates that would flow from the updated forecasts Oshawa provides.

The mid-term application is to be filed no later than July 1, 2017. In accordance with the Board's Decision, Oshawa is directed to update its annual proposed rates, consistent with the changes ordered by the Board in its Decision.

The Board directed Oshawa to:

1. File Draft Rate Orders for each of 2015, 2016, 2017, 2018 and 2019 including:
  - a. Proposed Tariff of Rates and Charges for each year reflecting the OEB's findings in its Decision. [See Appendix A to this Draft Rate Order]
  - b. For each year, customer rate impacts resulting from the implementation of this Decision and supporting information showing the calculation of the rates. [See Appendix B to this Draft Rate Order]
  - c. For each year, a completed version of the Revenue Requirement Work Form. [See Appendix C to this Draft Rate Order]
  - d. For 2015, the calculation of the rate rider to be applied during 2016 to recover revenue that would have been recovered in rates from October 1, 2015 to December 31, 2015.
  - e. For 2017, 2018 and 2019, a proposal for the first three years of the transition to fully fixed residential rates, with a schedule for each of these years showing the year-over-year change to the monthly fixed charge and the combined bill impact of the transition to fixed rates and other changes resulting from this Decision, for a low-volume customer as discussed in section 2.8.13 of Chapter 2 of the Board's Filing Requirements for Electricity Distribution Rate Applications (2015 Edition).
2. Report annually on the following:
  - a. OEB scorecard.
  - b. Service quality levels achieved.
  - c. Outage reduction achieved as a result of the two measures proposed by Oshawa.
  - d. The status of Oshawa's capital program, including an analysis of variances from plan.

3. File a draft accounting order for the System Renewal Capital Variance Account to record costs for system renewal projects that are approved for recovery in rates but not implemented over the rate term. [See Appendix D to this Draft Rate Order]
4. File a new application no later than July 1, 2017 to adjust and finalize the interim rates set for 2018 and 2019.
5. File a revised set of metrics and target outcomes as part of its first rate application after the completion of the term of this rate-setting plan.

Oshawa submits this Draft Rate Order comprises the information outlined in the Board's directions for all the referenced years 2015, 2016, 2017, 2018 and 2019 included in the Board's Decision.

Included in this Draft Rate Order are the following Appendices:

- Appendix A - Draft Schedule of Rates and Charges
- Appendix B - Customer Bill Impacts
- Appendix C - Revenue Requirement Work Forms
- Appendix D - Accounting Order for the System Renewal Capital Variance Account

The following Excel models also accompany the Draft Rate Order:

- Revenue Requirement Work Form
- Chapter 2 Appendices Model
- EDDVAR Continuity Schedules EB-2014-0101\_
- Weather Normalization Regression Model
- PILS Work Form
- Cost Allocation Model

The Draft Rate Order has been prepared on the basis that Oshawa's new rates:

- Recover revenue requirement revenue for 2016 plus revenue that would have been recovered in rates from October 1, 2015 to December 31, 2015 will be effective January 1, 2016 through December 31, 2016.
- Recover revenue requirements for 2017 through 2019 beginning January 1 of each year, subject to mid-term review whereby rates for 2018 and 2019 are to be adjusted and finalized as required.

## SUMMARY OF CHANGES TO REVENUE REQUIREMENT

The following table provides a summary of changes to the Application as a result of the Board's rate-making process and its Decision.

**Table 1: Changes in Revenue Requirement**

**Rate Application UPDATES - Revenue Requirement Impacts**

**23-Nov 2015**

	2015	2016	2017	2018	2019	Change	Cumulative Change
<b>Revenue Requirement As Filed Jan 29, 2015</b>	<b>21,565</b>	<b>23,548</b>	<b>24,391</b>	<b>25,605</b>	<b>26,194</b>		
<b>Revenue Requirement At End of Oral Hearing</b>	<b>21,129</b>	<b>22,823</b>	<b>23,704</b>	<b>25,609</b>	<b>26,814</b>		
Increase / (Decrease)	(436)	(724)	(687)	4	620	(1,223)	(1,223)

**Board Decision**

Reduce Working Capital Allowance to 9.37%	21,065	22,759	23,643	25,545	26,751		
Increase / (Decrease)	(64)	(65)	(61)	(64)	(64)	(317)	(1,540)
% Increase / (Decrease)	-0.3%	-0.3%	-0.3%	-0.3%	-0.2%	-0.3%	
Update Cost of Capital with 2016 OEB parameters for 2016-2019	21,065	22,602	23,473	25,333	26,516		
Increase / (Decrease)	0	(156)	(171)	(212)	(235)	(774)	(2,314)
% Increase / (Decrease)	0.0%	-0.7%	-0.7%	-0.8%	-0.9%	-0.7%	
Reduce Capital Budget by \$400k in 2015, 2016 & 2017 to match new connection costs with 1.5% customer growth	21,049	22,557	23,387	25,235	26,417		
Increase / (Decrease)	(16)	(46)	(86)	(99)	(98)	(345)	(2,659)
% Increase / (Decrease)	-0.1%	-0.2%	-0.4%	-0.4%	-0.4%	-0.3%	
Move HONI Enfield TS contributions from capital in 2015 (\$1.35m) and 2018 (\$5.4m), adding back in 2018.	20,998	22,458	23,095	24,986	26,418		
Increase / (Decrease)	(51)	(98)	(291)	(248)	0	(689)	(3,347)
% Increase / (Decrease)	-0.2%	-0.4%	-1.3%	-1.0%	0.0%	-0.6%	
Adjust Rate Base for Depreciation Expense Deferral Account	20,975	22,439	23,079	24,975	26,406		
Increase / (Decrease)	(23)	(20)	(16)	(11)	(11)	(82)	(3,429)
% Increase / (Decrease)	-0.1%	-0.1%	-0.1%	0.0%	0.0%	-0.1%	

**Revenue Requirement Nov 23, 2015**      **20,975    22,439    23,079    24,975    26,406**

## **DRAFT RATE ORDER IMPACTS SUMMARIZED BY ISSUE**

In accordance with Procedural Order No. 2, Board staff filed a proposed Issues List on May 26, 2015. In Procedural Order No. 3 issued on June 15, 2015, the Board reviewed the proposal and approved the Issues List for this proceeding.

This Draft Rate Order is presented in order of the issues, with the Board's Decision on those issues included, as well as Oshawa's response and action taken per the Decision.

### **1.0 Renewed Regulatory Framework Issues**

#### **1.1. Custom Application**

In selecting a rate-making option, Oshawa considered its business challenges over the next five years and asked the Board to approve its rates using the Custom Incentive Rate-setting (Custom IR) option.

#### **Board findings – page 7**

The Board finds that the application does not meet the expectations of the RRFE in a number of areas. The number and extent of the proposed annual adjustments does not demonstrate that Oshawa can manage within the rates set for five years. To the contrary, the proposed annual adjustments are designed to correct the rates and decrease the risk by adjusting the forecasts given new revenue and cost information.

The Board, however, disagrees with the argument put forward by Board staff and the intervenors that a Price Cap IR rate plan would continue to be a good fit for the utility, with an Incremental or Advanced Capital Module to accommodate the timing uncertainty of its planned capital additions.

The Board finds that the evidence filed by Oshawa provides sufficient credible information to set final rates for a three-year period, and interim rates for a two-year period, subject to the directions set out in this Decision.

*In this Draft Rate Order, Oshawa has provided rates for the five years 2015 through 2019 on the basis that rates for the first three years are final and the last two years are interim.*

## **1.2. Annual Adjustments and a Mid-term Review**

Oshawa proposed annual rate adjustments to address the significant risks of forecast error in revenues and costs, despite its rigorous planning efforts. Of particular concern were events outside Oshawa's control, such as delayed or reduced growth in the community, or unexpected higher capital required for asset relocation in response to municipal, regional or third party requirements.

### **Board findings – page 9**

The Board finds that the number and frequency of the proposed adjustments over the plan term is inconsistent with the risk management principles under the Custom IR model - to manage within rates set, given that actual costs and revenues will vary from forecast. It is the Board's view that Oshawa's annual adjustment proposal does not provide the appropriate allocation of risk between the distributor and its customers. It also reduces the incentive to seek efficiency improvements.

The Board approves rates for 2015, 2016 and 2017 on a final basis, and rates for 2018 and 2019 on an interim basis, pending a mid-term application and proceeding. The annual proposed rates will be updated in the Draft Rate Order, consistent with the changes ordered by the Board in this Decision. The Board will hold a scoped written or oral hearing process in 2017 to adjust and finalize the interim rates set for 2018 and 2019 if the updated evidence indicates that an adjustment is warranted.

*In this Draft Rate Order, Oshawa has provided rates for the five years 2015 through 2019 consistent with the changes ordered by the Board in this Decision. Oshawa intends to file a mid-term application with limited scope in 2017 to adjust (as warranted) and finalize the interim rates set for 2018 and 2019 if the updated evidence indicates that an adjustment is warranted.*

The Board will not approve any annual adjustments for the cost of capital or the working capital allowance in 2016 and 2017.

*No action required.*



### **1.3. Outcomes, Monitoring and Reporting**

Oshawa proposed that its outcome performance metrics include the Board's scorecard, maintaining Board service quality requirements at 2014 levels, and reducing outages caused by porcelain insulator equipment failures and foreign interference (animal contact).

#### **Board findings – page 11**

The Board finds that the measurement of outcomes proposed by Oshawa is insufficient and encourages Oshawa to develop additional meaningful metrics and targets to demonstrate continuous improvement in its OM&A and capital programs, and requires Oshawa to file a revised set of metrics and targets as part of its first rate application after the completion of the term of this plan.

In the meantime, Oshawa is directed to report annually on the metrics it has proposed (scorecard, service quality levels and outage reduction measures) on April 30 each year.

The Board also encouraged Oshawa to develop additional meaningful metrics and targets to demonstrate continuous improvement in its OM&A and capital programs, and directed Oshawa to file a revised set of metrics and targets as part of its first rate application after the completion of the term of this plan.

*Beginning on April 30, 2016, Oshawa will file annually on the metrics it has proposed. In addition, Oshawa will make every effort to develop a more comprehensive set of metrics as part of its first rate application after the completion of the term of this plan.*

### **1.4. Incentive Mechanisms**

Oshawa proposed three incentive mechanisms recognizing that Rates set under Custom IR provide an inherent incentive: a distributor can retain the benefit of savings achieved over the rate term, up to a limit:

1) The Controllable Capital Investment Efficiency Incentive Mechanism ("CCIEIM") to incent Oshawa to control the costs of its controllable capital investment programs by allowing revenue requirement impacts of variances between forecast and actual capital

investment for these programs to be tracked and shared between Oshawa and its customers.

2) The System Renewal Capital Variance Account to protect customers and provide confidence to the Board for planned system renewal project elements that are recovered in rates yet not implemented over the rate term.

3) The Total Cost Efficiency Carryover Mechanism ("TCECM") to incent efficiency initiatives late in the Custom IR rate term by allowing Oshawa to track sustainable cost savings and receive the resulting benefit for two years after the rate term.

### **Board findings – page 11**

The Board commends Oshawa for its innovative approaches to incentive mechanisms.

The Board approves the System Renewal Capital Variance Account as proposed as it allows the rate impact of projects approved yet not implemented to be refunded to customers.

The Board will not approve the CCIEIM and will also not approve the TCECM.

*In this Draft Rate Order, Oshawa will file a draft accounting order for the System Renewal Capital Variance Account to record costs for system renewal projects that are approved for recovery in rates but not implemented over the rate term.*

### **1.5. Earnings Sharing Mechanism**

An earnings sharing mechanism enables the sharing of any earnings above or below the Board-approved return on equity. Oshawa did not propose an earnings sharing mechanism, yet several parties submitted that earnings sharing is an important feature of other Custom IR applications.

### **Board findings – page 13**

The Board will not impose an earning sharing mechanism. Oshawa did not propose one in its application and it is not a requirement of the RRFE.

*No action required.*

## **1.6. Benchmarking**

The RRFE emphasizes the importance of benchmarking in Custom IR applications.

In response, Oshawa:

Retained Pacific Economics Group LLC (“PEG”) to provide an independent assessment of Oshawa’s forecasted costs for 2015-2019 using the total cost model adopted by the Board to determine stretch factors cohorts for Ontario distributors under incentive ratemaking.

Hired independent separate third parties to review its capital investment plans and costs including: its asset condition assessment and investment plans; its system renewal costs and system service projects; and its smart grid plans.

For OM&A, Oshawa filed its own comparative analysis, which demonstrates that it has the lowest residential rates; is among the lowest in net OM&A per customer; has the lowest net fixed assets per customer; and the highest customer per FTE ratio of comparable distributors in Ontario.

### **Board findings – page 15**

The Board appreciates the effort that Oshawa PUC made in preparing and filing the cost and productivity analyses. However, the BOARD finds that further external benchmarking analysis would be beneficial in supporting future applications, particularly in the areas of capital and OM&A costs.

*No action required.*

## **2.0 Distribution System Plan and Capital Expenditures**

In the RRFE Report, the Board stressed the importance of capital investment and capital planning, requiring rate applications to be supported by an integrated five-year capital plan that includes consideration of regional infrastructure planning. The five-year time horizon allows distributors to pace and prioritize projects with a view to the impact on the total bill for customers.

Oshawa submitted its Distribution System Plan (“DSP”) with its application to document its asset management process and capital expenditure plan in accordance with the Board’s Filing Requirements for Electricity Distribution Rate Applications, Chapter 5.

### **Board findings – page 18**

The Board finds that Oshawa’s DSP generally meets the Board’s expectations for a consolidated DSP as envisaged by the RRFE.

The Board approves Oshawa’s capital budget subject to the following conditions:

- Given the uncertainty regarding the cost and timing of the Hydro One Enfield TS contribution and the MS9 substation projects, these will be subject to review and update at the mid-term review in 2017 for the 2018 and 2019 test years.
- The Board directs Oshawa to report annually on the status of its capital program, including an analysis of variances from plan.
- The Board directs Oshawa to remove \$400,000 per year from its capital budget in 2015 to 2017 for new connection costs to match the 1.5% customer growth forecast approved and make the appropriate rate base reductions in preparing the Draft Rate Order.

*Oshawa has previously indicated (refer to section 1.2 - Annual Adjustments and a Mid-term Review) it will include in this Draft Rate Order rates for the five years 2015 through 2019 and commits to file a limited scoped application for the mid-term review to adjust and finalize rates for 2018 and 2019 as necessary.*

*Oshawa will include in its annual report (refer to section 1.3 – Outcomes, Monitoring and Reporting) the status of its capital program including an analysis of variances from plan.*

*Oshawa will reduce its capital budget by \$400,000 for each of the years 2015, 2016 and 2017. As per Table 1 above, this results in a reduction in revenue requirement of \$345 over the rate term.*

### **3.0 Rate Base**

The rate base used to determine the revenue requirement is defined as net fixed assets calculated as the average of the balances at the beginning and the end of each test year, plus a working capital allowance.

In this proceeding, only the working capital allowance and capital contributions were disputed by the parties.

#### **Board findings – page 21**

The Board approves the rate base as filed by Oshawa for 2015, 2016 and 2017, with the exceptions noted below. The Board also approves the rate base as filed for 2018 and 2019, subject to the exceptions noted below, and on the understanding that the rate base for these last two years will be adjusted as necessary as part of the mid-term review.

#### **3.1. Working Capital Allowance**

Oshawa engaged a third party to undertake a Lead/Lag Study to determine the working capital allowance ("WCA"). The WCA represents the amount of cash required to operate a utility's business on a day-to-day basis, taking into consideration the time lag between when payments are made by the distributor for services, and when payments are received from its customers.

Based on the Lead/Lag Study, Oshawa initially proposed a 13% WCA for 2015, but subsequently revised its proposal to 10.2% which was a more accurate calculation, and better reflected Oshawa's working capital needs. In reply argument, Oshawa agreed to a further reduction and a WCA of 9.37%.

#### **Board findings – page 21**

The Board approves the WCA of 9.37% for 2015 reflecting Oshawa's actual costs.

*Rates submitted in this Draft Rate Order will be informed by a WCA of 9.37%. As per Table 1 above, this results in a reduction in revenue requirement of \$317 over the rate term.*

### **3.2. Capital Contributions**

Oshawa's capital budget includes capital contributions to third parties. The largest capital contribution in the budget is \$13.5 million to Hydro One Transmission for building the proposed Enfield TS which will provide benefits to Oshawa and its customers.

The capital contributions are to be paid in 2015, 2017 and 2018 and the Enfield TS is expected to be in service in 2018. Oshawa proposed to increase rate base by the capital contributions in the year the payments are made.

#### **Board findings – page 23**

The Board finds that the capital contributions to Hydro One should be treated as CWIP until the underlying assets are used and useful. Oshawa should accrue interest on the contribution made adding the total costs to rate base when the planned asset goes into service, which is currently expected in 2018.

If the actual payment dates or total amount of contributions change from forecast, this information should be available for the mid-term review in 2017 to align rates with actual costs and service availability. As a result, there will be no additions to rate base prior to 2018 associated with the Enfield TS, and the amount added to rate base will be reviewed at the mid-term review, prior to the asset going into service.

*In this Draft Rate Order, Oshawa will remove contributions to Hydro One Transmission for building the proposed Enfield TS from its rate base and transfer them to CWIP in the appropriate rate year.*

*Rates submitted in this Draft Rate Order will be informed by this reduction to rate base. As per Table 1 above, this results in a reduction in revenue requirement of \$689 over the rate term.*

### **4.0 Operations, Maintenance and Administration Expense**

Operations, maintenance and administration ("OM&A") costs are the largest component of Oshawa's revenue requirement at about \$12 million per year. In addition to OM&A costs, Oshawa incurs depreciation and amortization expenses, payments in lieu of taxes and property taxes.

Oshawa PUC's evidence was that its proposed OM&A budget was necessary to meet public and employee safety objectives, comply with the Distribution System Code, environmental requirements, government direction and to maintain service quality and reliability at or above regulated performance levels.

### **Board findings – page 25**

The Board finds that Oshawa's OM&A budget is reasonable. The forecast average OM&A per customer is relatively stable over the term of the plan.

*No action required.*

#### **4.1. Letter of Credit**

Oshawa has a \$7.5 million letter of credit that it uses as prudential support for the Independent Electricity System Operator ("IESO"). The annual interest cost of the letter of credit is approximately \$50,000. The function of such a deposit is prepayment of the distributor's cost of power. If the letter of credit were increased to preclude margin calls, then all power costs would effectively be prepaid, significantly increasing calculated working capital requirements.

Intervenors submitted that interest costs of \$50,000 associated with the IESO letter of credit should not be included in OM&A expenses. It was submitted that the interest cost should be considered a short term debt expense in the cost of capital.

In addition, Energy Probe submitted that Oshawa should increase its letter of credit with the IESO to reduce the number of margin calls, estimating a downward working capital allowance adjustment of 2.04%.

In reply argument, Oshawa submitted that a higher letter of credit would tie up additional capital, which would be unavailable for other uses. With the significant ongoing capital investment requirements, such as the new municipal substation, the cost could be significant.

## **Board findings – page 27**

The annual interest cost on the letter of credit of \$50,000 is not a material amount, regardless of whether it is treated as an OM&A expense or absorbed as a cost of short-term debt in the cost of capital.

The Board will not direct Oshawa to alter its financial arrangements with the IESO for the cost of power.

*No action required.*

## **5.0 Customer and Load Forecasts**

To develop its load forecasts, Oshawa used a multiple regression analysis to determine the relationship between the consumption of electricity and other factors such as the economy and inflation. Knowledge of extraordinary events were also used to adjust the load forecast from the regression analysis, such as population growth, weather normalization, the City of Oshawa's replacement of streetlights with LEDs and conservation and demand management.

To develop its customer forecast, Oshawa used a model which predicted an annual growth rate of approximately 1.4% in total customer connections in 2015 to 2019. Oshawa PUC also took into account other factors that were expected to increase population forecast above normal growth levels, such as the extension of Highway 407, and increased its forecast by 1.6% for load growth, resulting in a total demand growth of 3% per year.

Oshawa PUC's application included a proposal to update its load forecast annually and adjust rates accordingly as the number and timing of customer additions were uncertain and outside of its control.

Oshawa PUC submitted that if the Board did not approve annual adjustments to its demand growth forecast and adopted a mid-term review in 2017, the appropriate demand growth for 2016 and 2017 would be 1.5%, in line with its historical growth rate and the rate forecast for 2015.



### **Board findings – page 30**

The Board approves an annual 1.5% growth rate for 2015, 2016 and 2017 and a 3.0% growth rate for 2018 and 2019. As a result, the load forecast will match the capital budget by the end of the planning term. Oshawa has the opportunity to update the forecast growth rate for 2018 and 2019 based on actual results to date at the mid-term review. The Board directs Oshawa to revise its kWh calculation for 2015 - 2019 accordingly when preparing the draft rate order.

*Oshawa will adjust its customer and load forecast models to reflect the Board's determinants. Accordingly, rates in this Draft Rate Order will be informed by the adjusted customer and load forecast. Please refer to Load Forecast excel workbook filed with this submission.*

### **6.0 Revenue Requirement**

Parties and board staff did not take issue with the elements of the revenue requirement calculation, other than suggestions for reductions in OM&A and rate base, including working capital.

### **Board findings – page 31**

The Board approves all aspects of the proposed revenue requirement calculation, unless otherwise indicated in this Decision. The Board expects Oshawa to revise the revenue requirement calculation to reflect the findings in this Decision as part of the draft rate order.

*No additional action required.*

### **7.0 Cost of Capital**

Oshawa applied the standard capital structure of 40% equity and 60% debt, of which 56% was long-term and 4% was short-term debt. For the return on equity and short term debt in 2015 - 2019, Oshawa applied the rates in the *Cost of Capital Parameter Updates for 2015 Cost of Service Applications*, issued by the Board on November 20, 2014 (the 2015 deemed rates).

For long-term debt to comprise 56%, Oshawa applied its actual weighted average rate cost to the debt outstanding (funded debt) and the 2015 deemed long-term debt rate to any unfunded debt.

### **Board findings – page 32**

The Board approves the proposed cost of capital for 2015.

After submissions were filed, the Board issued the approved cost of capital parameters for 2016. The Board directs Oshawa to apply the 2016 cost of capital parameters to determine rates in 2016 – 2019.

For long-term debt that comprises funded and unfunded components, the Board finds it appropriate to apply the actual cost to the funded debt and the deemed rate to the unfunded debt.

For the purposes of setting rates for 2015 - 2019 in this Decision, the 2015 deemed return on equity, the deemed short-term debt rate and the weighted average long-term debt rate will apply to the 40%/60% capital structure.

*No additional action required.*

### **8.0 Deferral and Variance Accounts**

Oshawa did not request disposition of any of its Deferral and Variance Accounts (“DVAs”) in Group 1 and Group 2 as the net balances were relatively small and volatile from year to year. However, Oshawa indicated that it would seek annual disposition of Group 1 balances as necessary during 2015 - 2019 to comply with Board policy.

Oshawa proposed to maintain two existing DVAs, the Tax Rate Changes and Pension Cost Differential Deferral Accounts and to discontinue the Special Purpose Charge Variance Account.

Oshawa PUC also proposed seven new DVAs.

### **Board findings – page 35**

The Board finds it appropriate to dispose of the Group 1 and 2 DVA balances as at December 31, 2014. Board policy is to clear the DVA balances for Group 2 accounts when re-establishing rates. This is particularly important for distributors under Custom

IR as the next rates case could be in five years, leading to long periods between costs being incurred and their recovery causing intergenerational issues.

The Board will approve continuation of the Tax Rate Changes and Pension Cost Differential Deferral Accounts and discontinuance of the Special Purpose Charge Variance Account as it is no longer needed.

The Board will approve a new variance account to track system renewal capital projects costs as discussed in the Incentive Mechanisms section of this Decision. Please refer to Appendix D for the approved Accounting Order.

Technically, the Board implicitly approved the new Depreciation Expense Deferral Account, as part of the approval of the EB-2011-0073 settlement. No new depreciation-related entries should be made to this account in 2015 as the terms of the settlement proposal applied only to 2012-2014. The Board agrees with Oshawa that it is appropriate to reduce its 2015 rate base to account for the additional depreciation recorded.

The Board will not approve the other six new DVAs as proposed.

*Oshawa will adjust its rate design to include the disposition of the Group 1 and 2 DVA balances as at December 31, 2014 and the balance in the Depreciation Expense Deferral Account.*

Actions taken:

Oshawa proposes to dispose of Group 1 and 2 DVA balances as at December 31, 2014, including projected interest until December 31, 2015, over four years.

A summary of DVA balances being disposed of is shown below.

Account Description	Account	Principal Amounts as of Dec-31, 2014	Carrying Charges to Dec-31, 2014	Projected Carrying Charges to Dec 31, 2015	Available for Disposition in 2016
<b>Group 1 Accounts:</b>					
Smart Meter Entity Charge Variance Account	1551	\$ 11,434	\$ 74	\$ 136	\$ 11,644
RSVA - Wholesale Market Service Charge	1580	\$ (3,093,849)	\$ (135,516)	\$ (36,817)	\$ (3,266,182)
RSVA - Retail Transmission Network Charge	1584	\$ 6,778,986	\$ 207,543	\$ 80,670	\$ 7,067,199
RSVA - Retail Transmission Connection Charge	1586	\$ (3,098,169)	\$ (115,101)	\$ (36,868)	\$ (3,250,138)
RSVA - Power (excluding Global Adjustment)	1588	\$ 1,591,645	\$ (2,089)	\$ 18,941	\$ 1,608,496
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595	\$ 620,773	\$ 35,379	\$ 7,387	\$ 663,539
<b>Sub-total not including RSVA Power Global Adjustment</b>		\$ 2,810,819	\$ (9,710)	\$ 33,449	\$ 2,834,558
RSVA - Global Adjustment	1589	\$ 2,059,056	\$ (8,940)	\$ 24,503	\$ 2,074,619
<b>Total including RSVA Power Global Adjustment</b>		\$ 4,869,875	\$ (18,650)	\$ 57,952	\$ 4,909,177
<b>Total Group 1</b>		\$ 4,869,875	\$ (18,650)	\$ 57,952	\$ 4,909,177
<b>Group 2 Accounts:</b>					
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$ 121,897	\$ (611)	\$ 1,451	\$ 122,737
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$ (124,964)	\$ -	\$ (1,487)	\$ (126,451)
Other Regulatory Assets - Sub-Account - Other	1508	\$ 324,303	\$ -	\$ 3,859	\$ 328,162
<b>Total Group 2</b>		\$ 321,236	\$ (611)	\$ 3,823	\$ 324,448
<b>Total Amount for Disposition</b>		\$ 5,191,111	\$ (19,260)	\$ 61,774	\$ 5,233,625

The rate riders for Group 1 and 2 DVA balances are as follows:

Group 1 DVA Rate Riders	Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	Rate Rider for Disposition of Global Adjustment Sub- Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	
RESIDENTIAL	0.0006	0.0014	\$/kWh
GS < 50 KW	0.0006	0.0014	\$/kWh
GS 50 TO 999 KW (I1 & I4)	0.2517	0.5321	\$/kW
GS 1,000 TO 4,999 KW (I2)	0.2866	0.6144	\$/kW
LARGE USE (I3)	0.2799	-	\$/kW
STREET LIGHTING	0.2272	0.4869	\$/kW
USL	0.0006	0.0014	\$/kWh
SENTINEL LIGHTS	0.2168	-	\$/kW

Group 2 DVA Rate Riders	Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	
RESIDENTIAL	0.06	per customer per month
GS < 50 KW	0.0001	\$/kWh
GS 50 TO 999 KW (I1 & I4)	0.0291	\$/kW
GS 1,000 TO 4,999 KW (I2)	0.0333	\$/kW
LARGE USE (I3)	0.0326	\$/kW
STREET LIGHTING	0.0245	\$/kW
USL	0.0001	\$/kWh
SENTINEL LIGHTS	0.0233	\$/kW

Please refer to the excel workbook filed with this submission for detailed EDDVAR Continuity Schedules.

Oshawa will maintain the Tax Rate Changes and Pension Cost Differential Deferral Accounts and will discontinue the Special Purpose Charge Variance Account as it is no longer needed.

Oshawa will create the System Renewal Capital Variance Account to track system renewal capital projects costs as discussed in the Incentive Mechanisms section of this Decision.

As part of Oshawa's approved settlement of its 2012 rate application, EB-2011-0073, the parties acknowledged that Oshawa intended to obtain an independent study of the lives of its distribution assets, and agreed that following the completion of that study, Oshawa could apply for an accounting order that would provide for the adjustment of the expected lives and of the revenue requirement associated with that adjustment, and for the reflection of those adjustments in a deferral or variance account.

The table below summarises the increased depreciation calculated using asset lives based on Oshawa's own asset depreciation study (performed by Metsco) instead of those from the Kinetrics study.

Component (Asset Class ID)	Asset Life (Kinetrics) - Typical	Asset Life Using Metsco	2012 Approved Depreciation	Depreciation expense (using OPUCN commissioned METSCO findings)					
				2012	Vs 2012 Approved	2013	Vs 2012 Approved	2014	Vs 2012 Approved
OHCABLE	60	60	\$54,696	\$83,235	\$28,539	\$83,235	\$28,539	\$83,235	\$28,539
OHSWITCHES	45	45	\$38,733	\$44,920	\$6,187	\$44,920	\$6,187	\$44,920	\$6,187
SCADA	20	20	\$34,083	\$101,153	\$67,070	\$101,153	\$67,070	\$101,153	\$67,070
STNBREAKERS	45	45	\$19,464	\$21,987	\$2,523	\$21,987	\$2,523	\$21,987	\$2,523
STNPWRTRANSF	45	45	\$150,730	\$179,094	\$28,364	\$179,094	\$28,364	\$179,094	\$28,364
UGCBLSECBURIED	35	35	\$230,047	\$179,717	\$(50,330)	\$179,717	\$(50,330)	\$179,717	\$(50,330)
				\$527,754	\$610,107	\$82,353	\$610,107	\$82,353	\$610,107
				\$82,353	\$610,107	\$82,353	\$610,107	\$82,353	\$610,107

The total increase in depreciation expense for the years 2012, 2013 and 2014 is \$247,058 (\$82,353 additional depreciation per year). The revenue requirement associated with the adjustment amounts to \$324,303 for the period 2012-2014 and is

illustrated in the table below.

<b>Oshawa PUC Networks Inc</b>	<b>2012 Board Approved</b>	<b>Adjustment</b>	<b>Using METSCO Asset Lives</b>
<b>REVENUE REQUIREMENT</b>			
Regulated Return on Rate Base	5,379,858	(2,741)	5,377,117
OM&A Expenses	11,480,200		11,480,200
Amortization/Depreciation	2,857,694	82,353	2,940,047
Income Taxes (Grossed up)	325,371	28,489	353,860
Service Revenue Requirement	20,043,123	108,101	20,151,224
Less Revenue Offsets	1,792,057	0	1,792,057
<b>Base Revenue Requirement</b>	<b>18,251,066</b>	<b>108,101</b>	<b>18,359,167</b>
<b>Lost Revenue</b>			<b>108,101</b>
<b>Total Lost Revenue for 2012-2014 period</b>			<b>324,303</b>

The adjustment to opening Rate Base in 2015 is a reduction of \$247,058 (being three years of \$82,353 additional depreciation for the years 2012, 2013 and 2014).

## 9.0 Cost Allocation and Rate Design

Appropriate cost allocation ensures that the distributor's cost of service is correctly apportioned to each customer class. The Board has outlined its cost allocation policies in the Board's reports of November 28, 2007: *Application of Cost Allocation for Electricity Distributors*, and March 31, 2011: *Review of Electricity Distribution Cost Allocation Policy* ("the Cost Allocation Reports").

In the application, Oshawa indicated that it had followed the Board's requirements.

Oshawa's application included a rate smoothing proposal to spread the 2015 increase over the five-year period of the plan. The proposal requires the establishment of a new deferral account and variable charge rate riders.

### Board findings – page 37

The Board approves Oshawa's proposed cost allocation and rate design for 2015 to 2019.

The Board will not approve Oshawa's proposed rate smoothing proposal or the related January 1, 2015 effective date. The evidence indicates that rate smoothing between the

effective and implementation date is not warranted as the bill impact to customers would be less than 10% of total bill. In addition, incurring additional interest cost to customers in order to smooth rates from 2015-2019 is not justified.

The Board notes that in its report, *A New Distribution Rate Design for Residential Electricity Customers* (EB-2012-0410) issued on April 2, 2015, the Board confirmed that distribution rates for residential customers are to move to a fixed monthly distribution charge over a transition period starting in 2016.

The Board finds that given the number of rate changes to be implemented on January 1, 2016 in accordance with this Decision, the Board will not require Oshawa to begin the transition to fully fixed residential rates until 2017.

Accordingly, the Board expects that the draft rate orders submitted by Oshawa for 2017, 2018 and 2019 will reflect the first three years of this transition to fully fixed residential rates.

The Board expects that the draft rate orders submitted by Oshawa for 2017, 2018 and 2019 will contain a proposal for the transition to fixed residential rates. Oshawa must also file a schedule for each of these years showing the anticipated year-over-year change to the fixed monthly service charge and a calculation of the combined bill impact of the changes arising from this Decision for a low-volume customer in each year of the transition.

If applicable, Oshawa must show how it has considered mitigation for low volume customers consistent with approach outlined in section 2.8.13 of Chapter 2 of the Board's *Filing Requirements for Electricity Distribution Rate Applications (2015 Edition)*.

*Oshawa will adjust its rate design to incorporate the Board's order to comply with the Board's policy - A New Distribution Rate Design for Residential Electricity Customers with the exception the transition to fixed rates will begin in 2017 rather than 2016. The rate design will include a mitigation proposal for low volume customers if required.*

Oshawa proposes the following:

The Board expects that the draft rate order submitted by Oshawa for 2017, 2018 and 2019 will contain a proposal for the transition to fixed residential rates.

*The fixed/variable split in distribution revenue as proposed for the year 2016 is 50/50 between fixed and variable. Oshawa proposes to adjust the fixed and variable revenue split for its Residential rate class by increasing the current fixed charge by 12.5% each year beginning in 2017, as detailed in the tables below. A fully fixed rate charge will be achieved by the 4<sup>th</sup> year.*

Year	Customer Class	Proposed Fixed Charge Split	Variable portion
2016	Residential	50.0%	50.0%
2017	Residential	62.5%	37.5%
2018	Residential	75.0%	25.0%
2019	Residential	87.5%	12.5%
2020	Residential	100.0%	0.0%

*The following tables from the Rate Design Model provide more detail on the fixed/variable split for all rate classes.*

### Current and Proposed Fixed Split

Customer Class	Distribution Charge - Fixed % Split					
	2012 Approved	2015 Proposed	2016 Proposed	2017 Proposed	2018 Proposed	2019 Proposed
Residential	45.9%	50.0%	50.0%	62.5%	75.0%	87.5%
GS Less Than 50 KW	15.1%	27.0%	27.0%	27.0%	27.0%	27.0%
GS 50 To 999 KW	7.5%	7.8%	7.9%	7.9%	8.0%	8.1%
GS Intermediate 1,000 To 4,999 KW	30.6%	30.7%	30.8%	30.9%	31.1%	31.3%
Large Use	48.9%	41.5%	41.4%	41.4%	41.4%	41.5%
Street Lighting	25.1%	29.2%	40.8%	43.2%	43.1%	43.2%
Sentinel Lighting	61.9%	66.0%	66.3%	66.4%	66.6%	66.9%
Unmetered Scattered Load	22.3%	24.5%	24.6%	24.7%	24.9%	25.1%

### Current and Proposed Variable Split

Customer Class	Distribution Charge - Variable % Split					
	2012 Approved	2015 Proposed	2016 Proposed	2017 Proposed	2018 Proposed	2019 Proposed
Residential	54.1%	50.0%	50.0%	37.5%	25.0%	12.5%
GS Less Than 50 KW	84.9%	73.0%	73.0%	73.0%	73.0%	73.0%
GS 50 To 999 KW	92.5%	92.2%	92.1%	92.1%	92.0%	91.9%
GS Intermediate 1,000 To 4,999 KW	69.4%	69.3%	69.2%	69.1%	68.9%	68.7%
Large Use	51.1%	58.5%	58.6%	58.6%	58.6%	58.5%
Street Lighting	74.9%	70.8%	59.2%	56.8%	56.9%	56.8%
Sentinel Lighting	38.1%	34.0%	33.7%	33.6%	33.4%	33.1%
Unmetered Scattered Load	77.7%	75.5%	75.4%	75.3%	75.1%	74.9%



The Board expects that the draft rate order submitted by Oshawa contains a schedule for years 2017 to 2019 showing the anticipated year-over-year change to the fixed monthly service charge.

*The table below compares the anticipated year-over-year change to the monthly fixed distribution charge by applying the proposed increases discussed above.*

Customer Class	Item Description	Unit	2016 Rate (\$)	2017 Rate (\$)	2018 Rate (\$)	2019 Rate (\$)
<b>Residential</b>						
	Monthly Service Charge	per month	11.21	14.22	17.93	21.55
	Distribution Volumetric Rate	per kWh	0.0142	0.0109	0.0078	0.0041
			Year over Year Change %			
Customer Class	Item Description	Unit	2016	2017	2018	2019
<b>Residential</b>						
	Monthly Service Charge	per month	6.8%	26.9%	26.1%	20.2%
	Distribution Volumetric Rate	per kWh	7.6%	-23.2%	-28.4%	-47.4%

The Board expects that the draft rate order submitted by Oshawa contains a calculation of the combined bill impact of the changes arising from this Decision for a low-volume customer in each year of the transition.

*The Board defines a low-volume customer as a residential customer whose average consumption is the tenth percentile of monthly consumption for residential customers. By applying this definition, the average usage of a low-volume customer in Oshawa is 254 kWh/month.*

*Discussed in section 2.8.13 of Chapter 2 of the Board's Filing Requirements for Electricity Distribution Rate Applications (2015 Edition), a utility shall evaluate the total bill impact for a residential customer at the distributor's 10th consumption percentile (to a minimum of 50 kWh/month), and a Distributor must provide a description of the method used to derive the 10<sup>th</sup> consumption percentile. Oshawa obtained the actual 2014 usage for all residential customer accounts. The 2014 billing usage was prorated to 365 days, and divided by 12 to obtain the average monthly usage for each customer. The data was sorted smallest to largest, and the 10th percentile was calculated by taking 10% of the customers with monthly usage greater than 50kWh. Oshawa's 10th*

percentile was calculated to be 5,027 customers. The average of the billed consumption of the first 5,027 customers was calculated to obtain the average usage of a low-volume customer. The result was 254 kwh/month.

The bill impact for a low-volume residential customer on time-of-use billing is shown below, compared to the average usage of a residential customer at 800 kWh/month.

Fixed rate design from 2017-2020									
Residential customer on TOU	2017			2018			2019		
	Total Bill Charge (\$)	Change vs 2016 (\$)	Change vs 2016 (%)	Total Bill Charge (\$)	Change vs 2017 (\$)	Change vs 2017 (%)	Total Bill Charge (\$)	Change vs 2018 (\$)	Change vs 2018 (%)
Residential @800 kwh/month	\$127.47	\$(0.28)	-0.22%	\$128.72	\$1.25	0.98%	\$129.39	\$0.67	0.52%
Residential @254 kwh/month	\$51.10	\$2.00	4.08%	\$54.07	\$2.97	5.82%	\$56.80	\$2.73	5.05%

Section 2.8.13 of Chapter 2 of the Board's filing requirements stipulates that if the total bill impact for low-volume customers is 10% or greater, a distributor must file a plan to mitigate the impact for the whole residential class or indicate why such a plan is not required. The table above illustrates the bill impact for a low-volume residential customer and an average residential customer over the years 2017 to 2019 where the proposed fixed rate plan has been implemented. The total bill, for a low-volume customer, increases 4.08% in 2017, 5.82% in 2018, and 5.05% in 2019. As the impact is less than 10% a rate mitigation strategy is not required for the residential customer class.

## 10.0 Implementation

Oshawa proposed an effective date of January 1, 2015 for its new 2015 rates, the date its rates were declared interim by the Board. Oshawa was not expected to file a cost of service application for 2015. However, Oshawa indicated that it applied earlier as its earnings were eroding from the required capital expenditures since the last cost of service for 2012 rates.

Oshawa submitted that the difference between the proposed January 1, 2015 effective date and actual implementation date for new rates could be smoothed over 5 years, resulting in reasonable and fair earnings for the utility while mitigating the impact on customers in 2015.

## Board findings – page 40

The Board approves an October 1, 2015 effective date for new 2015 rates. The implementation date for 2016 and 2015 rates will be January 1, 2016. For 2015 rates, Oshawa must calculate a rate rider to be applied to 2016 rates that recovers the revenue that Oshawa would have recovered in rates from October 1, 2015 to December 31, 2015 (consistent with the findings in this Decision). Oshawa shall file a schedule showing the calculation of the rate rider and its consistency with the 2015 draft rate order.

*Oshawa will adjust its rate design for 2016 to include the amount required to recover the revenue that Oshawa would have recovered in rates from October 1, 2015 to December 31, 2015 (consistent with the findings in this Decision). In this Draft Rate Order, Oshawa will provide the calculations for the amount to be recovered through the rate rider.*

From the Board's decision, the calculated revenue requirement for 2015 is \$20,975. Oshawa estimates, based on historical analysis, approximately 25% of the revenue requirement relates to October 1, 2015 to December 31, 2015; therefore the amount to be collected is \$615.

The amount of foregone revenue is allocated to each rate class by the percentage of proposed based revenue from the cost allocation model.

Volumetric Determinants for Rate Rider Calculation:

Customer Class		2016 Consumption
Residential	kWh	491,380,161
GS Less Than 50 KW	kWh	134,854,492
GS 50 To 999 KW	kW	860,398
GS Intermediate 1,000 To 4,999 KW	kW	194,670
Large Use	kW	96,498
Street Lighting	kW	14,599
Sentinel Lighting	kW	96
Unmetered Scattered Load	kWh	2,667,193

Rate Rider to Recover Oct-Dec 2015 Foregone Revenue:

Customer Class		2016
		Rate Rider
Residential	per kWh	0.0008
GS Less Than 50 KW	per kWh	0.0006
GS 50 To 999 KW	per kW	0.1309
GS Intermediate 1,000 To 4,999 KW	per kW	0.0723
Large Use	per kW	0.0687
Street Lighting	per kW	1.3099
Sentinel Lighting	per kW	0.6106
Unmetered Scattered Load	per kWh	0.0006

### 10.1. Error during Price Cap IR term 2012-2013

Oshawa discovered and brought to the Board's attention an error recorded for 2002 to 2005, overstating its length of kilometres of wire. The error was not detected when Oshawa's rates were subject to a Price Cap IR adjustment in 2012 and 2013. As a result, Oshawa had been placed in a higher efficiency cohort with a lower stretch factor in 2012 and 2013, and its rates were higher by approximately one tenth of one percent as a result.

SEC submitted that the Board should order Oshawa to refund the money to customer for the excess rates that were charged in 2012 and 2013.

### Board findings – page 41

The Board will not direct Oshawa to calculate the amount potentially over-collected in rates during 2012 and 2013 as rates were final. The Board finds that there is no evidence that the error resulted in a material amount of over-recovery.

*No further action required.*

## **APPENDIX A - TARIFF OF RATES AND CHARGES**

## 2016 Proposed Rate Schedule

Oshawa's proposed 2016 Tariff of Rates and Charges is provided in the following pages.

### Oshawa PUC Networks Inc. TARIFF OF RATES AND CHARGES Effective and Implementation Date January 1, 2016

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

EB-2014-0101

#### RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to residential customers residing in detached, semi detached, townhouse (freehold or condominium) dwelling units, duplexes or triplexes. Basic connection is defined as 100 amp 12/240 volt overhead service. 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 Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the 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 Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

#### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	11.21
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0142
Rate Rider Oct-Dec 2015 revenue recovery - effective until December 31, 2016	\$/kWh	0.0008
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0014
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$	0.06
Retail Transmission Rate - Network Service Rate	\$/kWh	0.00783
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.00619

#### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account taking electricity at 750 volts or less whose monthly peak demand is less than or expected to be less than 50 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the 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 Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	16.02
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0157
Rate Rider Oct-Dec 2015 revenue recovery - effective until December 31, 2016	\$/kWh	0.0006
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0014
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0072
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0057

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## GENERAL SERVICE 50 TO 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 1,000 kW. Note that for statistical purposes the following sub-classifications apply:

General Service 50 to 200 kW

General Service over 200 kW

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

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the 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 Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	52.20
Distribution Volumetric Rate	\$/kW	4.4740
Rate Rider Oct-Dec 2015 revenue recovery - effective until December 31, 2016	\$/kW	0.1309
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2517
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	0.5321
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0291
Retail Transmission Rate - Network Service Rate	\$/kW	2.6140
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0181
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.3504
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.5637

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



## GENERAL SERVICE INTERMEDIATE 1,000 TO 4,999 KW SERVICE

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, 1,000 kW but less than 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the 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 Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	1,097.01
Distribution Volumetric Rate	\$/kW	2.3852
Rate Rider Oct-Dec 2015 revenue recovery - effective until December 31, 2016	\$/kW	0.0723
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2866
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	0.6144
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0333
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.3504
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.5637

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## LARGE USE > 5000 KW SERVICE CLASSIFICATION

This classification applies to an 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, 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the 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 Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	8,347.42
Distribution Volumetric Rate	\$/kW	2.0666
Rate Rider Oct-Dec 2015 revenue recovery - effective until December 31, 2016	\$/kW	0.0687
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2799
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	0.0000
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0326
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.5699
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.7973

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

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

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the 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 Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	4.36
Distribution Volumetric Rate	\$/kWh	0.0178
Rate Rider Oct-Dec 2015 revenue recovery - effective until December 31, 2016	\$/kWh	0.0006
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0014
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0072
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0057

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## SENTINEL LIGHTING SERVICE CLASSIFICATION

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

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the 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 Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	5.26
Distribution Volumetric Rate	\$/kW	7.5088
Rate Rider Oct-Dec 2015 revenue recovery - effective until December 31, 2016	\$/kW	0.6106
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2168
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	0.0000
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0233
Retail Transmission Rate - Network Service Rate	\$/kW	1.8030
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3691

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts concerning roadway lighting for a Municipality, Regional Municipality, and/or Ministry of Transportation. This lighting will be controlled by photo cells. The consumption for these customers will be based on the calculated connected load times as established in the approved OEB Street Lighting Load Shape Template. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	1.83
Distribution Volumetric Rate	\$/kW	28.2590
Rate Rider Oct-Dec 2015 revenue recovery - effective until December 31, 2016	\$/kW	1.3099
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2272
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	0.4869
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0245
Retail Transmission Rate - Network Service Rate	\$/kW	1.7724
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3290

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## microFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Ontario Power Authority'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 Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the Board, or as specified herein.

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40

### ALLOWANCES

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

## SPECIFIC SERVICE CHARGES

### 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 Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the Board, or as specified herein.

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### Customer Administration

Arrears certificate	\$	15.00
Easement Letter	\$	15.00
Account History	\$	15.00
Credit reference Letter	\$	15.00
Credit check (plus credit agency costs)	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

### Non-Payment of Account

Late Payment – per month	%	1.50
Late Payment – per annum	%	19.56
Collection of account charge – no disconnection	\$	30.00
Disconnect/Reconnect at meter – during regular hours	\$	65.00
Disconnect/Reconnect at meter – after regular hours	\$	185.00
Disconnect/Reconnect at pole – during regular hours	\$	185.00
Disconnect/Reconnect Charge – At Pole – After Hours	\$	415.00
Install/Remove load control device – during regular hours	\$	65.00
Install/Remove load control device – after regular hours	\$	185.00
Specific Charge for Access to the Power Poles - \$/pole/year	\$	22.35

## RETAIL SERVICE CHARGES (if applicable)

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

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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.	0.5000
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.3000
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.3000)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

## LOSS FACTORS

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

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0486
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0440
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0045



## 2017 Proposed Rate Schedule

Oshawa's proposed 2017 Tariff of Rates and Charges is provided in the following pages.

### Oshawa PUC Networks Inc. TARIFF OF RATES AND CHARGES Effective and Implementation Date January 1, 2017

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

EB-2014-0101

## RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to residential customers residing in detached, semi detached, townhouse (freehold or condominium) dwelling units, duplexes or triplexes. Basic connection is defined as 100 amp 12/240 volt overhead service. 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 Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the 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 Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	14.22
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0109
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0014
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$	0.06
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0078
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0062

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account taking electricity at 750 volts or less whose monthly peak demand is less than or expected to be less than 50 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	16.24
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0161
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0014
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0072
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0057

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## GENERAL SERVICE 50 TO 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 1,000 kW. Note that for statistical purposes the following sub-classifications apply:

General Service 50 to 200 kW

General Service over 200 kW

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

### APPLICATION

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	53.33
Distribution Volumetric Rate	\$/kW	4.5691
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2517
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	0.5321
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0291
Retail Transmission Rate - Network Service Rate	\$/kW	2.6140
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0181
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.3504
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.5637

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## GENERAL SERVICE INTERMEDIATE 1,000 TO 4,999 KW SERVICE

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, 1,000 kW but less than 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	1,120.74
Distribution Volumetric Rate	\$/kW	2.4246
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2866
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	0.6144
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0333
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.3504
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.5637

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## LARGE USE > 5000 KW SERVICE CLASSIFICATION

This classification applies to an 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, 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	8,527.98
Distribution Volumetric Rate	\$/kW	2.0983
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2799
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	0.0000
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0326
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.5699
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.7973

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

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

### APPLICATION

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	4.45
Distribution Volumetric Rate	\$/kWh	0.0182
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0014
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0072
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0057

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## SENTINEL LIGHTING SERVICE CLASSIFICATION

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

### APPLICATION

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	5.37
Distribution Volumetric Rate	\$/kW	7.6712
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2168
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	-
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0233
Retail Transmission Rate - Network Service Rate	\$/kW	1.8030
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3691

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts concerning roadway lighting for a Municipality, Regional Municipality, and/or Ministry of Transportation. This lighting will be controlled by photo cells. The consumption for these customers will be based on the calculated connected load times as established in the approved OEB Street Lighting Load Shape Template. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	1.92
Distribution Volumetric Rate	\$/kW	29.6664
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2272
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	0.4869
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0245
Retail Transmission Rate - Network Service Rate	\$/kW	1.7724
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3290

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



## microFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Ontario Power Authority'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 Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the 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 Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40

## ALLOWANCES

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

## SPECIFIC SERVICE CHARGES

### 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 Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the Board, or as specified herein.

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### Customer Administration

Arrears certificate	\$	15.00
Easement Letter	\$	15.00
Account History	\$	15.00
Credit reference Letter	\$	15.00
Credit check (plus credit agency costs)	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

### Non-Payment of Account

Late Payment – per month	%	1.50
Late Payment – per annum	%	19.56
Collection of account charge – no disconnection	\$	30.00
Disconnect/Reconnect at meter – during regular hours	\$	65.00
Disconnect/Reconnect at meter – after regular hours	\$	185.00
Disconnect/Reconnect at pole – during regular hours	\$	185.00
Disconnect/Reconnect Charge – At Pole – After Hours	\$	415.00
Install/Remove load control device – during regular hours	\$	65.00
Install/Remove load control device – after regular hours	\$	185.00
Specific Charge for Access to the Power Poles - \$/pole/year	\$	22.35

## RETAIL SERVICE CHARGES (if applicable)

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

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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.	0.5000
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.3000
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.3000)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

## LOSS FACTORS

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

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0486
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0440
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0045

## 2018 Proposed Rate Schedule

Oshawa's proposed 2018 Tariff of Rates and Charges is provided in the following pages.

### Oshawa PUC Networks 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-2014-0101

## RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to residential customers residing in detached, semi detached, townhouse (freehold or condominium) dwelling units, duplexes or triplexes. Basic connection is defined as 100 amp 12/240 volt overhead service. 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 Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	17.93
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0078
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0014
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$	0.06
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0078
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0062

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account taking electricity at 750 volts or less whose monthly peak demand is less than or expected to be less than 50 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	17.00
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0171
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0014
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0072
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0057

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## GENERAL SERVICE 50 TO 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 1,000 kW. Note that for statistical purposes the following sub-classifications apply:

General Service 50 to 200 kW

General Service over 200 kW

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

### APPLICATION

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	56.43
Distribution Volumetric Rate	\$/kW	4.8301
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2517
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	0.5321
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0291
Retail Transmission Rate - Network Service Rate	\$/kW	2.6140
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0181
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.3504
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.5637

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## GENERAL SERVICE INTERMEDIATE 1,000 TO 4,999 KW SERVICE

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, 1,000 kW but less than 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	1,185.86
Distribution Volumetric Rate	\$/kW	2.5329
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2866
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	0.6144
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0333
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.3504
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.5637

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## LARGE USE > 5000 KW SERVICE CLASSIFICATION

This classification applies to an 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, 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	9,023.50
Distribution Volumetric Rate	\$/kW	2.1854
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2799
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	-
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0326
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.5699
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.7973

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

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

### APPLICATION

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

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### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	4.77
Distribution Volumetric Rate	\$/kWh	0.0195
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0014
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0072
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0057

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## SENTINEL LIGHTING SERVICE CLASSIFICATION

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

### APPLICATION

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

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### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	5.68
Distribution Volumetric Rate	\$/kW	8.1169
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2168
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	-
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0233
Retail Transmission Rate - Network Service Rate	\$/kW	1.8030
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3691

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts concerning roadway lighting for a Municipality, Regional Municipality, and/or Ministry of Transportation. This lighting will be controlled by photo cells. The consumption for these customers will be based on the calculated connected load times as established in the approved OEB Street Lighting Load Shape Template. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the 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 Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	2.05
Distribution Volumetric Rate	\$/kW	31.6243
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2272
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	0.4869
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0245
Retail Transmission Rate - Network Service Rate	\$/kW	1.7724
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3290

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## microFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Ontario Power Authority'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 Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the 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 Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40

## ALLOWANCES

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

## SPECIFIC SERVICE CHARGES

### 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 Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the 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 Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

### Customer Administration

Arrears certificate	\$	15.00
Easement Letter	\$	15.00
Account History	\$	15.00
Credit reference Letter	\$	15.00
Credit check (plus credit agency costs)	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

### Non-Payment of Account

Late Payment – per month	%	1.50
Late Payment – per annum	%	19.56
Collection of account charge – no disconnection	\$	30.00
Disconnect/Reconnect at meter – during regular hours	\$	65.00
Disconnect/Reconnect at meter – after regular hours	\$	185.00
Disconnect/Reconnect at pole – during regular hours	\$	185.00
Disconnect/Reconnect Charge – At Pole – After Hours	\$	415.00
Install/Remove load control device – during regular hours	\$	65.00
Install/Remove load control device – after regular hours	\$	185.00
Specific Charge for Access to the Power Poles - \$/pole/year	\$	22.35

## RETAIL SERVICE CHARGES (if applicable)

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

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It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit 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.	0.5000
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.3000
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.3000)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

## LOSS FACTORS

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

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0486
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0440
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0045

## 2019 Proposed Rate Schedule

Oshawa's proposed 2019 Tariff of Rates and Charges is provided in the following pages.

### Oshawa PUC Networks Inc. TARIFF OF RATES AND CHARGES Effective and Implementation Date January 1, 2019

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

EB-2014-0101

## RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to the supply of electrical energy to residential customers residing in detached, semi detached, townhouse (freehold or condominium) dwelling units, duplexes or triplexes. Basic connection is defined as 100 amp 12/240 volt overhead service. 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 Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the 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 Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	21.55
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0041
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0014
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$	0.06
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0078
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0062

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account taking electricity at 750 volts or less whose monthly peak demand is less than or expected to be less than 50 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	17.37
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0177
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0014
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0072
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0057

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



## GENERAL SERVICE 50 TO 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 1,000 kW. Note that for statistical purposes the following sub-classifications apply:

General Service 50 to 200 kW

General Service over 200 kW

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

### APPLICATION

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	58.29
Distribution Volumetric Rate	\$/kW	4.9867
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2517
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	0.5321
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0291
Retail Transmission Rate - Network Service Rate	\$/kW	2.6140
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0181
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.3504
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.5637

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## GENERAL SERVICE INTERMEDIATE 1,000 TO 4,999 KW SERVICE

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, 1,000 kW but less than 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the 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 Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	1,224.94
Distribution Volumetric Rate	\$/kW	2.5979
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2866
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	0.6144
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0333
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.3504
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.5637

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## LARGE USE > 5000 KW SERVICE CLASSIFICATION

This classification applies to an 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, 5,000 kW. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the 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 Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	9,320.91
Distribution Volumetric Rate	\$/kW	2.2377
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2799
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	-
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0326
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.5699
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.7973

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

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

### APPLICATION

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	4.93
Distribution Volumetric Rate	\$/kWh	0.0201
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0006
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0014
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0072
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0057

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## SENTINEL LIGHTING SERVICE CLASSIFICATION

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

### APPLICATION

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	5.87
Distribution Volumetric Rate	\$/kW	8.3844
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2168
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	-
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0233
Retail Transmission Rate - Network Service Rate	\$/kW	1.8030
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3691

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts concerning roadway lighting for a Municipality, Regional Municipality, and/or Ministry of Transportation. This lighting will be controlled by photo cells. The consumption for these customers will be based on the calculated connected load times as established in the approved OEB Street Lighting Load Shape Template. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

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

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

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	2.12
Distribution Volumetric Rate	\$/kW	32.6666
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.2272
Rate Rider for Disposition of Global Adjustment Sub-Account (2015) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kW	0.4869
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2015) - effective until December 31, 2019	\$/kW	0.0245
Retail Transmission Rate - Network Service Rate	\$/kW	1.7724
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3290

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

## microFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Ontario Power Authority'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 Board, and amendments thereto as approved by the Board, which may be applicable to the administration of this schedule.

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### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40

## ALLOWANCES

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

## SPECIFIC SERVICE CHARGES

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

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### Customer Administration

Arrears certificate	\$	15.00
Easement Letter	\$	15.00
Account History	\$	15.00
Credit reference Letter	\$	15.00
Credit check (plus credit agency costs)	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

### Non-Payment of Account

Late Payment – per month	%	1.50
Late Payment – per annum	%	19.56
Collection of account charge – no disconnection	\$	30.00
Disconnect/Reconnect at meter – during regular hours	\$	65.00
Disconnect/Reconnect at meter – after regular hours	\$	185.00
Disconnect/Reconnect at pole – during regular hours	\$	185.00
Disconnect/Reconnect Charge – At Pole – After Hours	\$	415.00
Install/Remove load control device – during regular hours	\$	65.00
Install/Remove load control device – after regular hours	\$	185.00
Specific Charge for Access to the Power Poles - \$/pole/year	\$	22.35



## RETAIL SERVICE CHARGES (if applicable)

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Board, and amendments thereto as approved by the 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 Board, and amendments thereto as approved by the 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 Board approval, such as the Debt Retirement Charge, the Global Adjustment, the Ontario Clean Energy Benefit 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.	0.5000
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.3000
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.3000)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

## LOSS FACTORS

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

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0486
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0440
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0045

## **APPENDIX B - BILL IMPACTS**

## BILL IMPACTS – RESIDENTIAL AT 800 KWH (PART I OF II)

### Residential

		Consumption																	
		kWh	800																
		Charge Unit		2014 Rates		2015 Rates		2015 v 2014		2016 Proposed Rates		2016 v 2015		2017 Proposed Rates					
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)		
Monthly Service Charge	Monthly	\$ 8.4700	1	\$8.47	\$ 8.4700	1	\$8.47	\$0.00	0.00%	\$ 11.2100	1	\$11.21	\$2.74	32.35%	\$ 14.2200	1	\$14.22		
Smart Meter Rate Rider	Monthly	\$ 0.1000	1	\$0.10	\$ 0.1000	1	\$0.10	\$0.00	0.00%	\$ -	1	\$0.00	\$(0.10)	-100.00%	\$ -	1	\$0.00		
Stranded Meter Rate Rider	Monthly	\$ 0.5700	1	\$0.57	\$ 0.5700	1	\$0.57	\$0.00	0.00%	\$ -	1	\$0.00	\$(0.57)	-100.00%	\$ -	1	\$0.00		
Distribution Volumetric Rate	per kWh	\$ 0.0120	800	\$9.60	\$ 0.0120	800	\$9.60	\$0.00	0.00%	\$ 0.0142	800	\$11.36	\$1.76	18.33%	\$ 0.0109	800	\$8.72		
2015 Oct-Dec Recovery	per kWh	\$ -	800	\$0.00	\$ -	800	\$0.00	\$0.00	0.00%	\$ 0.0008	800	\$0.64	\$0.64		\$ -	800	\$0.00		
<b>Sub-Total A (excluding pass through)</b>				\$18.74			\$18.74	\$0.00	0.00%			\$23.21	\$4.47	23.85%			\$22.94		
Deferral & Variance Accounts Disposition Rate Rider (2012)	per kWh	\$ 0.0004	800	\$0.32	\$ 0.0004	800	\$0.32	\$0.00	0.00%	\$ -	800	\$0.00	\$(0.32)	-100.00%	\$ -	800	\$0.00		
Deferral & Variance Accounts Disposition Rate Rider (2015)	per kWh		800	\$0.00	\$ -	800	\$0.00	\$0.00		\$ 0.0006	800	\$0.51	\$0.51		\$ 0.0006	800	\$0.51		
Global Adjustment Disposition Rate Rider (2015)	per kWh		800	\$0.00	\$ -	800	\$0.00	\$0.00		\$ 0.0014	800	\$1.09	\$1.09		\$ 0.0014	800	\$1.09		
Deferral & Variance Accounts Disposition Rate Rider for Group 2 DVAs (2015)	Monthly		1	\$0.00		1	\$0.00	\$0.00		\$ 0.0563	1	\$0.06	\$0.06		\$ 0.0563	1	\$0.06		
Low Voltage Service Charge	per kWh		800	\$0.00		800	\$0.00	\$0.00			800	\$0.00	\$0.00			800	\$0.00		
Line Losses on Cost of Power	per kWh	\$ 0.0925	34.40	\$3.18	\$ 0.0925	34.40	\$3.18	\$0.00	0.00%	\$ 0.0925	38.92	\$3.60	\$0.42	13.14%	\$ 0.0925	38.92	\$3.60		
Smart Meter Entity Charge	Monthly	\$ 0.7900	1	\$0.79	\$ 0.7900	1	\$0.79	\$0.00	0.00%	\$ 0.7900	1	\$0.79	\$0.00	0.00%	\$ 0.7900	1	\$0.79		
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$23.03			\$23.03	\$0.00	0.00%			\$29.25	\$6.22	26.99%			\$28.98		
RTSR - Network	per kWh	\$ 0.0074	834	\$6.17	\$ 0.0074	834	\$6.17	\$0.00	0.00%	\$ 0.0078	839	\$6.57	\$0.39	6.37%	\$ 0.0078	839	\$6.57		
RTSR - Line and Transformation Connection	per kWh	\$ 0.0057	834	\$4.76	\$ 0.0057	834	\$4.76	\$0.00	0.00%	\$ 0.0062	839	\$5.20	\$0.44	9.25%	\$ 0.0062	839	\$5.20		
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$33.96			\$33.96	\$0.00	0.00%			\$41.01	\$7.05	20.76%			\$40.74		
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0044	834	\$3.67	\$ 0.0044	834	\$3.67	\$0.00	0.00%	\$ 0.0044	839	\$3.69	\$0.02	0.54%	\$ 0.0044	839	\$3.69		
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	834	\$1.08	\$ 0.0013	834	\$1.08	\$0.00	0.00%	\$ 0.0013	839	\$1.09	\$0.01	0.54%	\$ 0.0013	839	\$1.09		
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$0.25	\$ 0.2500	1	\$0.25	\$0.00	0.00%	\$ 0.2500	1	\$0.25	\$0.00	0.00%	\$ 0.2500	1	\$0.25		
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	800	\$5.60	\$ 0.0070	800	\$5.60	\$0.00	0.00%	\$ 0.0070	800	\$5.60	\$0.00	0.00%	\$ 0.0070	800	\$5.60		
TOU - Off Peak	per kWh	\$ 0.0750	512	\$38.40	\$ 0.0750	512	\$38.40	\$0.00	0.00%	\$ 0.0750	512	\$38.40	\$0.00	0.00%	\$ 0.0750	512	\$38.40		
TOU - Mid Peak	per kWh	\$ 0.1120	144	\$16.13	\$ 0.1120	144	\$16.13	\$0.00	0.00%	\$ 0.1120	144	\$16.13	\$0.00	0.00%	\$ 0.1120	144	\$16.13		
TOU - On Peak	per kWh	\$ 0.1350	144	\$19.44	\$ 0.1350	144	\$19.44	\$0.00	0.00%	\$ 0.1350	144	\$19.44	\$0.00	0.00%	\$ 0.1350	144	\$19.44		
Energy - RPP - Tier 1	per kWh	\$ 0.0830	600	\$49.80	\$ 0.0830	600	\$49.80	\$0.00	0.00%	\$ 0.0830	600	\$49.80	\$0.00	0.00%	\$ 0.0830	600	\$49.80		
Energy - RPP - Tier 2	per kWh	\$ 0.0970	200	\$19.40	\$ 0.0970	200	\$19.40	\$0.00	0.00%	\$ 0.0970	200	\$19.40	\$0.00	0.00%	\$ 0.0970	200	\$19.40		
<b>Total Bill on TOU (before Taxes)</b>				\$118.54			\$118.54	\$0.00	0.00%			\$125.61	\$7.08	5.97%			\$125.34		
HST		13%		\$15.41	13%		\$15.41	\$0.00	0.00%	13%		\$16.33	\$0.92	5.97%	13%		\$16.29		
<b>Total Bill (including HST)</b>				\$133.94			\$133.94	\$0.00	0.00%			\$141.94	\$8.00	5.97%			\$141.63		
<b>Ontario Clean Energy Benefit <sup>1</sup></b>				\$(13.39)			\$(13.39)	\$0.00	0.00%			\$(14.19)	\$(0.80)	5.97%			\$(14.16)		
<b>Total Bill on TOU (including OCEB)</b>				\$120.55			\$120.55	\$0.00	0.00%			\$127.75	\$7.20	5.97%			\$127.47		
<b>Total Bill on RPP (before Taxes)</b>				\$113.77			\$113.77	\$0.00	0.00%			\$120.84	\$7.08	6.22%			\$120.57		
HST		13%		\$14.79	13%		\$14.79	\$0.00	0.00%	13%		\$15.71	\$0.92	6.22%	13%		\$15.67		
<b>Total Bill (including HST)</b>				\$128.56			\$128.56	\$0.00	0.00%			\$136.55	\$8.00	6.22%			\$136.25		
<b>Ontario Clean Energy Benefit <sup>1</sup></b>				\$(12.86)			\$(12.86)	\$0.00	0.00%			\$(13.66)	\$(0.80)	6.22%			\$(13.62)		
<b>Total Bill on RPP (including OCEB)</b>				\$115.70			\$115.70	\$0.00	0.00%			\$122.89	\$7.20	6.22%			\$122.63		
<b>Loss Factor (%)</b>		4.30%		4.30%		4.86%		4.86%		4.86%		4.86%		4.86%		4.86%		4.86%	

## BILL IMPACTS – RESIDENTIAL AT 800 KWH (PART II OF II)

### Residential

		Consumption		2017 v 2016		2018 Proposed Interim Rates			2018 v 2017		2019 Proposed Interim Rates			2019 v 2018	
		kWh	800	\$	%	Rate (\$)	Volume	Charge (\$)	Change	%	Rate (\$)	Volume	Charge (\$)	\$	%
Charge Unit				Change	Change									Change	Change
Monthly Service Charge	Monthly			\$3.01	26.85%	\$ 17.9300	1	\$17.93	\$3.71	26.09%	\$ 21.5500	1	\$21.55	\$3.62	20.19%
Smart Meter Rate Rider	Monthly			\$0.00		\$ -	1	\$0.00	\$0.00		\$ -	1	\$0.00	\$0.00	
Stranded Meter Rate Rider	Monthly			\$0.00		\$ -	1	\$0.00	\$0.00		\$ -	1	\$0.00	\$0.00	
Distribution Volumetric Rate	per kWh			\$(2.64)	-23.24%	\$ 0.0078	800	\$6.24	\$(2.48)	-28.44%	\$ 0.0041	800	\$3.28	\$(2.96)	-47.44%
2015 Oct-Dec Recovery	per kWh			\$(0.64)	-100.0%	\$ -	800	\$0.00	\$0.00		\$ -	800	\$0.00	\$0.00	
<b>Sub-Total A (excluding pass through)</b>				<b>\$(0.27)</b>	<b>-1.16%</b>			<b>\$24.17</b>	<b>\$1.23</b>	<b>5.36%</b>			<b>\$24.83</b>	<b>\$0.66</b>	<b>2.73%</b>
Deferral & Variance Accounts Disposition Rate Rider (2012)	per kWh			\$0.00		\$ -	800	\$0.00	\$0.00		\$ -	800	\$0.00	\$0.00	
Deferral & Variance Accounts Disposition Rate Rider (2015)	per kWh			\$0.00	0.00%	\$ 0.0006	800	\$0.51	\$0.00	0.00%	\$ 0.0006	800	\$0.51	\$0.00	0.00%
Global Adjustment Disposition Rate Rider (2015)	per kWh			\$0.00	0.00%	\$ 0.0014	800	\$1.09	\$0.00	0.00%	\$ 0.0014	800	\$1.09	\$0.00	0.00%
Deferral & Variance Accounts Disposition Rate Rider for Group 2 DVAs (2015)	Monthly			\$0.00	0.00%	\$ 0.0563	1	\$0.06	\$0.00	0.00%	\$ 0.0563	1	\$0.06	\$0.00	0.00%
Low Voltage Service Charge	per kWh			\$0.00		\$ 0.0925	800	\$0.00	\$0.00		\$ 0.0925	800	\$0.00	\$0.00	
Line Losses on Cost of Power	per kWh			\$0.00	0.00%	\$ 0.0925	38.92	\$3.60	\$0.00	0.00%	\$ 0.0925	38.92	\$3.60	\$0.00	0.00%
Smart Meter Entity Charge	Monthly			\$0.00	0.00%	\$ 0.7900	1	\$0.79	\$0.00	0.00%	\$ 0.7900	1	\$0.79	\$0.00	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				<b>\$(0.27)</b>	<b>-0.92%</b>			<b>\$30.21</b>	<b>\$1.23</b>	<b>4.24%</b>			<b>\$30.87</b>	<b>\$0.66</b>	<b>2.18%</b>
RTSR - Network	per kWh			\$0.00	0.00%	\$ 0.0078	839	\$6.57	\$0.00	0.00%	\$ 0.0078	839	\$6.57	\$0.00	0.00%
RTSR - Line and Transformation Connection	per kWh			\$0.00	0.00%	\$ 0.0062	839	\$5.20	\$0.00	0.00%	\$ 0.0062	839	\$5.20	\$0.00	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				<b>\$(0.27)</b>	<b>-0.66%</b>			<b>\$41.97</b>	<b>\$1.23</b>	<b>3.02%</b>			<b>\$42.63</b>	<b>\$0.66</b>	<b>1.57%</b>
Wholesale Market Service Charge (WMSVC)	per kWh			\$0.00	0.00%	\$ 0.0044	839	\$3.69	\$0.00	0.00%	\$ 0.0044	839	\$3.69	\$0.00	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh			\$0.00	0.00%	\$ 0.0013	839	\$1.09	\$0.00	0.00%	\$ 0.0013	839	\$1.09	\$0.00	0.00%
Standard Supply Service Charge	Monthly			\$0.00	0.00%	\$ 0.2500	1	\$0.25	\$0.00	0.00%	\$ 0.2500	1	\$0.25	\$0.00	0.00%
Debt Retirement Charge (DRC)	per kWh			\$0.00	0.00%	\$ 0.0070	800	\$5.60	\$0.00	0.00%	\$ 0.0070	800	\$5.60	\$0.00	0.00%
TOU - Off Peak	per kWh			\$0.00	0.00%	\$ 0.0750	512	\$38.40	\$0.00	0.00%	\$ 0.0750	512	\$38.40	\$0.00	0.00%
TOU - Mid Peak	per kWh			\$0.00	0.00%	\$ 0.1120	144	\$16.13	\$0.00	0.00%	\$ 0.1120	144	\$16.13	\$0.00	0.00%
TOU - On Peak	per kWh			\$0.00	0.00%	\$ 0.1350	144	\$19.44	\$0.00	0.00%	\$ 0.1350	144	\$19.44	\$0.00	0.00%
Energy - RPP - Tier 1	per kWh			\$0.00	0.00%	\$ 0.0830	600	\$49.80	\$0.00	0.00%	\$ 0.0830	600	\$49.80	\$0.00	0.00%
Energy - RPP - Tier 2	per kWh			\$0.00	0.00%	\$ 0.0970	200	\$19.40	\$0.00	0.00%	\$ 0.0970	200	\$19.40	\$0.00	0.00%
<b>Total Bill on TOU (before Taxes)</b>				<b>\$(0.27)</b>	<b>-0.21%</b>			<b>\$126.57</b>	<b>\$1.23</b>	<b>0.98%</b>			<b>\$127.23</b>	<b>\$0.66</b>	<b>0.52%</b>
HST				\$(0.04)	-0.21%		13%	\$16.45	\$0.16	0.98%		13%	\$16.54	\$0.09	0.52%
<b>Total Bill (including HST)</b>				<b>\$(0.31)</b>	<b>-0.21%</b>			<b>\$143.02</b>	<b>\$1.39</b>	<b>0.98%</b>			<b>\$143.77</b>	<b>\$0.75</b>	<b>0.52%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>				<b>\$0.03</b>	<b>-0.21%</b>			<b>\$(14.30)</b>	<b>\$(0.14)</b>	<b>0.99%</b>			<b>\$(14.38)</b>	<b>\$(0.08)</b>	<b>0.56%</b>
<b>Total Bill on TOU (including OCEB)</b>				<b>\$(0.28)</b>	<b>-0.22%</b>			<b>\$128.72</b>	<b>\$1.25</b>	<b>0.98%</b>			<b>\$129.39</b>	<b>\$0.67</b>	<b>0.52%</b>
<b>Total Bill on RPP (before Taxes)</b>				<b>\$(0.27)</b>	<b>-0.22%</b>			<b>\$121.80</b>	<b>\$1.23</b>	<b>1.02%</b>			<b>\$122.46</b>	<b>\$0.66</b>	<b>0.54%</b>
HST				\$(0.04)	-0.22%		13%	\$15.83	\$0.16	1.02%		13%	\$15.92	\$0.09	0.54%
<b>Total Bill (including HST)</b>				<b>\$(0.31)</b>	<b>-0.22%</b>			<b>\$137.64</b>	<b>\$1.39</b>	<b>1.02%</b>			<b>\$138.38</b>	<b>\$0.75</b>	<b>0.54%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>				<b>\$0.04</b>	<b>-0.29%</b>			<b>\$(13.76)</b>	<b>\$(0.14)</b>	<b>1.03%</b>			<b>\$(13.84)</b>	<b>\$(0.08)</b>	<b>0.58%</b>
<b>Total Bill on RPP (including OCEB)</b>				<b>\$(0.27)</b>	<b>-0.22%</b>			<b>\$123.88</b>	<b>\$1.25</b>	<b>1.02%</b>			<b>\$124.54</b>	<b>\$0.67</b>	<b>0.54%</b>

Loss Factor (%)

4.86%

4.86%

## BILL IMPACTS – GS < 50 KW AT 2,000 KWH (PART I OF II)

### GS < 50 KW

		Consumption kWh																	
		2,000																	
		2014 Rates			2015 Rates			2015 v 2014		2016 Proposed Rates			2016 v 2015		2017 Proposed Rates				
Charge Unit		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$	%	Rate (\$)	Volume	Charge (\$)	\$	%	Rate (\$)	Volume	Charge (\$)		
Monthly Service Charge	Monthly	\$ 8.3800	1	\$8.38	\$ 8.3800	1	\$8.38	\$0.00	0.00%	\$ 16.0200	1	\$16.02	\$7.64	91.17%	\$ 16.2400	1	\$16.24		
Smart Meter Rate Rider	Monthly	\$ 0.4300	1	\$0.43	\$ 0.4300	1	\$0.43	\$0.00	0.00%	\$ -	1	\$0.00	\$(0.43)	-100.00%	\$ -	1	\$0.00		
Stranded Meter Rate Rider	Monthly	\$ 2.4900	1	\$2.49	\$ 2.4900	1	\$2.49	\$0.00	0.00%	\$ -	1	\$0.00	\$(2.49)	-100.00%	\$ -	1	\$0.00		
Distribution Volumetric Rate	per kWh	\$ 0.0170	2000	\$34.00	\$ 0.0170	2000	\$34.00	\$0.00	0.00%	\$ 0.0157	2000	\$31.40	\$(2.60)	-7.65%	\$ 0.0161	2000	\$32.20		
2015 Oct-Dec Recovery	per kWh		2000	\$0.00	\$ -	2000	\$0.00	\$0.00	0.00%	\$ 0.0006	2000	\$1.20	\$1.20		\$ -	2000	\$0.00		
Sub-Total A (excluding pass through)				\$45.30				\$45.30	\$0.00	0.00%				\$48.62	\$3.32	7.33%			
Deferral & Variance Accounts																			
Disposition Rate Rider (2012)	per kWh	\$ 0.0003	2000	\$0.60	\$ 0.0003	2000	\$0.60	\$0.00	0.00%	\$ -	2000	\$0.00	\$(0.60)	-100.00%	\$ -	2000	\$0.00		
Deferral & Variance Accounts																			
Disposition Rate Rider (2015)	per kWh		2000	\$0.00		2000	\$0.00	\$0.00		\$ 0.0006	2000	\$1.27	\$1.27		\$ 0.0006	2000	\$1.27		
Global Adjustment Disposition Rate Rider (2015)	per kWh		2000	\$0.00		2000	\$0.00	\$0.00		\$ 0.0014	2000	\$2.71	\$2.71		\$ 0.0014	2000	\$2.71		
Deferral & Variance Accounts																			
Disposition Rate Rider for Group 2 DVAs (2015)	per kWh		2000	\$0.00	\$ -	2000	\$0.00	\$0.00		\$ 0.0001	2000	\$0.15	\$0.15		\$ 0.0001	2000	\$0.15		
Low Voltage Service Charge	per kWh		2000	\$0.00		2000	\$0.00	\$0.00		\$ 0.0001	2000	\$0.00	\$0.00			2000	\$0.00		
Line Losses on Cost of Power	per kWh	\$ 0.0925	86.00	\$7.95	\$ 0.0925	86.00	\$7.95	\$0.00	0.00%	\$ 0.0925	97.30	\$9.00	\$1.04	13.14%	\$ 0.0925	97.30	\$9.00		
Smart Meter Entity Charge	Monthly	\$ 0.7900	1	\$0.79	\$ 0.7900	1	\$0.79	\$0.00	0.00%	\$ 0.7900	1	\$0.79	\$0.00	0.00%	\$ 0.7900	1	\$0.79		
Sub-Total B - Distribution (includes Sub-Total A)				\$54.64				\$54.64	\$0.00	0.00%				\$62.53	\$7.89	14.44%	\$62.35		
RTSR - Network	per kWh	\$ 0.0068	2086	\$14.18	\$ 0.0068	2086	\$14.18	\$0.00	0.00%	\$ 0.0072	2097	\$15.09	\$0.90	6.37%	\$ 0.0072	2097	\$15.09		
RTSR - Line and Transformation Connection	per kWh	\$ 0.0052	2086	\$10.85	\$ 0.0052	2086	\$10.85	\$0.00	0.00%	\$ 0.0057	2097	\$11.85	\$1.00	9.25%	\$ 0.0057	2097	\$11.85		
Sub-Total C - Delivery (including Sub-Total B)				\$79.67				\$79.67	\$0.00	0.00%				\$89.47	\$9.80	12.30%	\$89.29		
Wholesale Market Service Charge (WMSC)																			
Charge (WMSC)	per kWh	\$ 0.0044	2086	\$9.18	\$ 0.0044	2086	\$9.18	\$0.00	0.00%	\$ 0.0044	2097	\$9.23	\$0.05	0.54%	\$ 0.0044	2097	\$9.23		
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	2086	\$2.71	\$ 0.0013	2086	\$2.71	\$0.00	0.00%	\$ 0.0013	2097	\$2.73	\$0.01	0.54%	\$ 0.0013	2097	\$2.73		
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$0.25	\$ 0.2500	1	\$0.25	\$0.00	0.00%	\$ 0.2500	1	\$0.25	\$0.00	0.00%	\$ 0.2500	1	\$0.25		
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	2000	\$14.00	\$ 0.0070	2000	\$14.00	\$0.00	0.00%	\$ 0.0070	2000	\$14.00	\$0.00	0.00%	\$ 0.0070	2000	\$14.00		
TOU - Off Peak	per kWh	\$ 0.0750	1280	\$96.00	\$ 0.0750	1280	\$96.00	\$0.00	0.00%	\$ 0.0750	1280	\$96.00	\$0.00	0.00%	\$ 0.0750	1280	\$96.00		
TOU - Mid Peak	per kWh	\$ 0.1120	360	\$40.32	\$ 0.1120	360	\$40.32	\$0.00	0.00%	\$ 0.1120	360	\$40.32	\$0.00	0.00%	\$ 0.1120	360	\$40.32		
TOU - On Peak	per kWh	\$ 0.1350	360	\$48.60	\$ 0.1350	360	\$48.60	\$0.00	0.00%	\$ 0.1350	360	\$48.60	\$0.00	0.00%	\$ 0.1350	360	\$48.60		
Energy - RPP - Tier 1	per kWh	\$ 0.0830	600	\$49.80	\$ 0.0830	600	\$49.80	\$0.00	0.00%	\$ 0.0830	600	\$49.80	\$0.00	0.00%	\$ 0.0830	600	\$49.80		
Energy - RPP - Tier 2	per kWh	\$ 0.0970	1400	\$135.80	\$ 0.0970	1400	\$135.80	\$0.00	0.00%	\$ 0.0970	1400	\$135.80	\$0.00	0.00%	\$ 0.0970	1400	\$135.80		
Total Bill on TOU (before Taxes)				\$290.73				\$290.73	\$0.00	0.00%				\$300.60	\$9.86	3.39%	\$300.42		
HST	13%			\$37.80	13%		\$37.80	\$0.00	0.00%		13%		\$39.08	\$1.28	3.39%	13%		\$39.05	
Total Bill (including HST)				\$328.53				\$328.53	\$0.00	0.00%				\$339.67	\$11.14	3.39%	\$339.47		
Ontario Clean Energy Benefit <sup>1</sup>				\$(32.85)				\$(32.85)	\$0.00	0.00%				\$(33.97)	\$(1.12)	3.41%	\$(33.95)		
Total Bill on TOU (including OCEB)				\$295.68				\$295.68	\$0.00	0.00%				\$305.70	\$10.02	3.39%	\$305.52		
Total Bill on RPP (before Taxes)				\$291.41				\$291.41	\$0.00	0.00%				\$301.28	\$9.86	3.38%	\$301.10		
HST	13%			\$37.88	13%		\$37.88	\$0.00	0.00%		13%		\$39.17	\$1.28	3.38%	13%		\$39.14	
Total Bill (including HST)				\$329.30				\$329.30	\$0.00	0.00%				\$340.44	\$11.14	3.38%	\$340.24		
Ontario Clean Energy Benefit <sup>1</sup>				\$(32.93)				\$(32.93)	\$0.00	0.00%				\$(34.04)	\$(1.11)	3.37%	\$(34.02)		
Total Bill on RPP (including OCEB)				\$296.37				\$296.37	\$0.00	0.00%				\$306.40	\$10.03	3.39%	\$306.22		
Loss Factor (%)				4.30%				4.30%				4.86%				4.86%			

## BILL IMPACTS – GS < 50 KW AT 2,000 KWH (PART II OF II)

### GS < 50 KW

		Consumption		2017 v 2016			2018 Proposed Interim Rates			2018 v 2017		2019 Proposed Interim Rates			2019 v 2018	
		kWh	2,000	\$	%		Rate (\$)	Volume	Charge (\$)	Change	%	Rate (\$)	Volume	Charge (\$)	Change	%
Charge Unit				Change	Change											
Monthly Service Charge	Monthly			\$0.22	1.37%		\$ 17.0000	1	\$17.00	\$0.76	4.68%	\$ 17.3700	1	\$17.37	\$0.37	2.18%
Smart Meter Rate Rider	Monthly			\$0.00			\$ -	1	\$0.00	\$0.00		\$ -	1	\$0.00	\$0.00	
Stranded Meter Rate Rider	Monthly			\$0.00			\$ -	1	\$0.00	\$0.00		\$ -	1	\$0.00	\$0.00	
Distribution Volumetric Rate	per kWh			\$0.80	2.55%		\$ 0.0171	2000	\$34.20	\$2.00	6.21%	\$ 0.0177	2000	\$35.40	\$1.20	3.51%
2015 Oct-Dec Recovery	per kWh			\$(1.20)	-100.00%		\$ -	2000	\$0.00	\$0.00		\$ -	2000	\$0.00	\$0.00	
<b>Sub-Total A (excluding pass through)</b>				<b>\$(0.18)</b>	<b>-0.37%</b>				<b>\$51.20</b>	<b>\$2.76</b>	<b>5.70%</b>			<b>\$52.77</b>	<b>\$1.57</b>	<b>3.07%</b>
Deferral & Variance Accounts																
Disposition Rate Rider (2012)	per kWh			\$0.00			\$ -	2000	\$0.00	\$0.00		\$ -	2000	\$0.00	\$0.00	
Deferral & Variance Accounts																
Disposition Rate Rider (2015)	per kWh			\$0.00	0.00%		\$ 0.0006	2000	\$1.27	\$0.00	0.00%	\$ 0.0006	2000	\$1.27	\$0.00	0.00%
Global Adjustment Disposition Rate Rider (2015)	per kWh			\$0.00	0.00%		\$ 0.0014	2000	\$2.71	\$0.00	0.00%	\$ 0.0014	2000	\$2.71	\$0.00	0.00%
Deferral & Variance Accounts																
Disposition Rate Rider for Group 2 DVAs (2015)	per kWh			\$0.00	0.00%		\$ 0.0001	2000	\$0.15	\$0.00	0.00%	\$ 0.0001	2000	\$0.15	\$0.00	0.00%
Low Voltage Service Charge	per kWh			\$0.00				2000	\$0.00	\$0.00			2000	\$0.00	\$0.00	
Line Losses on Cost of Power	per kWh			\$0.00	0.00%		\$ 0.0925	97.30	\$9.00	\$0.00	0.00%	\$ 0.0925	97.30	\$9.00	\$0.00	0.00%
Smart Meter Entity Charge	Monthly			\$0.00	0.00%		\$ 0.7900	1	\$0.79	\$0.00	0.00%	\$ 0.7900	1	\$0.79	\$0.00	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				<b>\$(0.18)</b>	<b>-0.29%</b>				<b>\$65.11</b>	<b>\$2.76</b>	<b>4.43%</b>			<b>\$66.68</b>	<b>\$1.57</b>	<b>2.41%</b>
RTSR - Network	per kWh			\$0.00	0.00%		\$ 0.0072	2097	\$15.09	\$0.00	0.00%	\$ 0.0072	2097	\$15.09	\$0.00	0.00%
RTSR - Line and Transformation Connection	per kWh			\$0.00	0.00%		\$ 0.0057	2097	\$11.85	\$0.00	0.00%	\$ 0.0057	2097	\$11.85	\$0.00	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				<b>\$(0.18)</b>	<b>-0.20%</b>				<b>\$92.05</b>	<b>\$2.76</b>	<b>3.09%</b>			<b>\$93.62</b>	<b>\$1.57</b>	<b>1.71%</b>
Wholesale Market Service Charge (WMSC)	per kWh			\$0.00	0.00%		\$ 0.0044	2097	\$9.23	\$0.00	0.00%	\$ 0.0044	2097	\$9.23	\$0.00	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh			\$0.00	0.00%		\$ 0.0013	2097	\$2.73	\$0.00	0.00%	\$ 0.0013	2097	\$2.73	\$0.00	0.00%
Standard Supply Service Charge	Monthly			\$0.00	0.00%		\$ 0.2500	1	\$0.25	\$0.00	0.00%	\$ 0.2500	1	\$0.25	\$0.00	0.00%
Debt Retirement Charge (DRC)	per kWh			\$0.00	0.00%		\$ 0.0070	2000	\$14.00	\$0.00	0.00%	\$ 0.0070	2000	\$14.00	\$0.00	0.00%
TOU - Off Peak	per kWh			\$0.00	0.00%		\$ 0.0750	1280	\$96.00	\$0.00	0.00%	\$ 0.0750	1280	\$96.00	\$0.00	0.00%
TOU - Mid Peak	per kWh			\$0.00	0.00%		\$ 0.1120	360	\$40.32	\$0.00	0.00%	\$ 0.1120	360	\$40.32	\$0.00	0.00%
TOU - On Peak	per kWh			\$0.00	0.00%		\$ 0.1350	360	\$48.60	\$0.00	0.00%	\$ 0.1350	360	\$48.60	\$0.00	0.00%
Energy - RPP - Tier 1	per kWh			\$0.00	0.00%		\$ 0.0830	600	\$49.80	\$0.00	0.00%	\$ 0.0830	600	\$49.80	\$0.00	0.00%
Energy - RPP - Tier 2	per kWh			\$0.00	0.00%		\$ 0.0970	1400	\$135.80	\$0.00	0.00%	\$ 0.0970	1400	\$135.80	\$0.00	0.00%
<b>Total Bill on TOU (before Taxes)</b>				<b>\$(0.18)</b>	<b>-0.06%</b>				<b>\$303.18</b>	<b>\$2.76</b>	<b>0.92%</b>			<b>\$304.75</b>	<b>\$1.57</b>	<b>0.52%</b>
HST				\$(0.02)	-0.06%		13%		\$39.41	\$0.36	0.92%		13%	\$39.62	\$0.20	0.52%
<b>Total Bill (including HST)</b>				<b>\$(0.20)</b>	<b>-0.06%</b>				<b>\$342.59</b>	<b>\$3.12</b>	<b>0.92%</b>			<b>\$344.36</b>	<b>\$1.77</b>	<b>0.52%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>				<b>\$0.02</b>	<b>-0.06%</b>				<b>\$(34.26)</b>	<b>\$(0.31)</b>	<b>0.91%</b>			<b>\$(34.44)</b>	<b>\$(0.18)</b>	<b>0.53%</b>
<b>Total Bill on TOU (including OCEB)</b>				<b>\$(0.18)</b>	<b>-0.06%</b>				<b>\$308.33</b>	<b>\$2.81</b>	<b>0.92%</b>			<b>\$309.92</b>	<b>\$1.59</b>	<b>0.52%</b>
<b>Total Bill on RPP (before Taxes)</b>				<b>\$(0.18)</b>	<b>-0.06%</b>				<b>\$303.86</b>	<b>\$2.76</b>	<b>0.92%</b>			<b>\$305.43</b>	<b>\$1.57</b>	<b>0.52%</b>
HST				\$(0.02)	-0.06%		13%		\$39.50	\$0.36	0.92%		13%	\$39.71	\$0.20	0.52%
<b>Total Bill (including HST)</b>				<b>\$(0.20)</b>	<b>-0.06%</b>				<b>\$343.36</b>	<b>\$3.12</b>	<b>0.92%</b>			<b>\$345.13</b>	<b>\$1.77</b>	<b>0.52%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>				<b>\$0.02</b>	<b>-0.06%</b>				<b>\$(34.34)</b>	<b>\$(0.32)</b>	<b>0.94%</b>			<b>\$(34.51)</b>	<b>\$(0.17)</b>	<b>0.50%</b>
<b>Total Bill on RPP (including OCEB)</b>				<b>\$(0.18)</b>	<b>-0.06%</b>				<b>\$309.02</b>	<b>\$2.80</b>	<b>0.91%</b>			<b>\$310.62</b>	<b>\$1.60</b>	<b>0.52%</b>
Loss Factor (%)							4.86%									

## BILL IMPACTS – GS 50 TO 999 KW AT 480 KW (PART I OF II)

### GS 50 To 999 KW

	kWh KW	Consumption 140,000 480	2014 Rates			2015 Rates			2015 v 2014		2016 Proposed Rates			2016 v 2015		2017 Proposed Rates		
			Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)
Monthly Service Charge	Monthly		\$ 43.13	1	\$43	\$ 43.13	1	\$43	\$0.00	0.00%	\$ 52.20	1	\$52	\$9.07	21.03%	\$ 53.33	1	\$53
Distribution Volumetric Rate	per kW		\$ 3.7097	480	\$1,781	\$ 3.7097	480	\$1,781	\$0.00	0.00%	\$ 4.4740	480	\$2,148	\$366.86	20.60%	\$ 4.5691	480	\$2,193
2015 Oct-Dec Recovery	per kW				\$0	\$ -	480	\$0	\$0.00	0.00%	\$ 0.1309	480	\$63	\$62.83		\$ -	480	\$0
<b>Sub-Total A (excluding pass through)</b>					\$1,824			\$1,824	\$0.00	0.00%			\$2,263	\$438.77	24.06%			\$2,246
Deferral & Variance Accounts Disposition Rate Rider (2012)	per kW		\$ 0.0073	480	\$4	\$ 0.0073	480	\$4	\$0.00	0.00%	\$ -	480	\$0	\$(3.50)	-100.00%	\$ -	480	\$0
Deferral & Variance Accounts Disposition Rate Rider (2015)	per kW				\$0		480	\$0	\$0.00		\$ 0.2517	480	\$121	\$120.80		\$ 0.2517	480	\$121
Global Adjustment Disposition Rate Rider (2015)	per kW				\$0		480	\$0	\$0.00		\$ 0.5321	480	\$255	\$255.43		\$ 0.5321	480	\$255
Deferral & Variance Accounts Disposition Rate Rider for Group 2 DVAs (2015)	per kW			480	\$0	\$ -	480	\$0	\$0.00		\$ 0.0291	480	\$14	\$13.96		\$ 0.0291	480	\$14
Line Losses on Cost of Power	per kWh		\$ 0.0925	6,020	\$557	\$ 0.0925	6,020	\$557	\$0.00	0.00%	\$ 0.0925	6,811	\$630	\$73.12	13.14%	\$ 0.0925	6,811	\$630
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>					\$2,384			\$2,384	\$0.00	0.00%			\$3,282	\$898.57	37.69%			\$3,266
RTSR - Network	per kW		\$ 2.4708	480	\$1,186	\$ 2.4708	480	\$1,186	\$0.00	0.00%	\$ 2.6140	480	\$1,255	\$68.73	5.80%	\$ 2.6140	480	\$1,255
RTSR - Line and Transformation Connection	per kW		\$ 1.8573	480	\$892	\$ 1.8573	480	\$892	\$0.00	0.00%	\$ 2.0181	480	\$969	\$77.20	8.66%	\$ 2.0181	480	\$969
<b>Sub-Total C - Delivery (including Sub-Total B)</b>					\$4,461			\$4,461	\$0.00	0.00%			\$5,506	\$1,044.50	23.41%			\$5,490
Wholesale Market Service Charge (WMSC)	per kWh		\$ 0.0044	146,020	\$642	\$ 0.0044	146,020	\$642	\$0.00	0.00%	\$ 0.0044	146,811	\$646	\$3.48	0.54%	\$ 0.0044	146,811	\$646
Rural and Remote Rate Protection (RRRP)	per kWh		\$ 0.0013	146,020	\$190	\$ 0.0013	146,020	\$190	\$0.00	0.00%	\$ 0.0013	146,811	\$191	\$1.03	0.54%	\$ 0.0013	146,811	\$191
Standard Supply Service Charge	Monthly		\$ 0.2500	1	\$0	\$ 0.2500	1	\$0	\$0.00	0.00%	\$ 0.2500	1	\$0	\$0.00	0.00%	\$ 0.2500	1	\$0
Debt Retirement Charge (DRC)	per kWh		\$ 0.0070	140,000	\$980	\$ 0.0070	140,000	\$980	\$0.00	0.00%	\$ 0.0070	140,000	\$980	\$0.00	0.00%	\$ 0.0070	140,000	\$980
TOU - Off Peak	per kWh		\$ 0.0750	89,600	\$6,720	\$ 0.0750	89,600	\$6,720	\$0.00	0.00%	\$ 0.0750	89,600	\$6,720	\$0.00	0.00%	\$ 0.0750	89,600	\$6,720
TOU - Mid Peak	per kWh		\$ 0.1120	25,200	\$2,822	\$ 0.1120	25,200	\$2,822	\$0.00	0.00%	\$ 0.1120	25,200	\$2,822	\$0.00	0.00%	\$ 0.1120	25,200	\$2,822
TOU - On Peak	per kWh		\$ 0.1350	25,200	\$3,402	\$ 0.1350	25,200	\$3,402	\$0.00	0.00%	\$ 0.1350	25,200	\$3,402	\$0.00	0.00%	\$ 0.1350	25,200	\$3,402
<b>Total Bill on TOU (before Taxes)</b>					\$19,218			\$19,218	\$0.00	0.00%			\$20,267	\$1,049.01	5.46%			\$20,251
HST				13%	\$2,498		13%	\$2,498	\$0.00	0.00%			\$2,635	\$136.37	5.46%			\$2,633
<b>Total Bill (including HST)</b>					\$21,717			\$21,717	\$0.00	0.00%			\$22,902	\$1,185.38	5.46%			\$22,884
<b>Ontario Clean Energy Benefit <sup>1</sup></b>					\$(2,172)			\$(2,172)	\$0.00	0.00%			\$(2,290)	\$(118.54)	5.46%			\$(2,288)
<b>Total Bill on TOU (including OCEB)</b>					\$19,545			\$19,545	\$0.00	0.00%			\$20,612	\$1,066.84	5.46%			\$20,596
<b>Loss Factor (%)</b>			4.30%			4.30%			4.86%		4.86%			4.86%		4.86%		

## BILL IMPACTS – GS 50 TO 999 KW AT 480 KW (PART II OF II)

### GS 50 To 999 KW

	kWh KW	Consumption		2017 v 2016		2018 Proposed Interim Rates			2018 v 2017		2019 Proposed Interim Rates			2019 v 2018	
		140,000	480	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly			\$1.13	2.16%	\$ 56.43	1	\$56	\$3.10	5.81%	\$ 58.29	1	\$58	\$1.86	3.30%
Distribution Volumetric Rate	per kW			\$45.65	2.13%	\$ 4.8301	480	\$2,318	\$125.28	5.71%	\$ 4.9867	480	\$2,394	\$75.17	3.24%
2015 Oct-Dec Recovery	per kW			\$(62.83)	-100.00%	\$ -	480	\$0	\$0.00		\$ -	480	\$0	\$0.0	
<b>Sub-Total A (excluding pass through)</b>				<b>\$(16.05)</b>	<b>-0.71%</b>			\$2,375	<b>\$128.38</b>	<b>5.71%</b>			\$2,452	<b>\$77.0</b>	<b>3.24%</b>
Deferral & Variance Accounts Disposition Rate Rider (2012)	per kW			\$0.00		\$ -	480	\$0	\$0.00		\$ -	480	\$0	\$0.00	
Deferral & Variance Accounts Disposition Rate Rider (2015)	per kW			\$0.00	0.00%	\$ 0.2517	480	\$121	\$0.00	0.00%	\$ 0.2517	480	\$121	\$0.00	0.00%
Global Adjustment Disposition Rate Rider (2015)	per kW			\$0.00	0.00%	\$ 0.5321	480	\$255	\$0.00	0.00%	\$ 0.5321	480	\$255	\$0.00	0.00%
Deferral & Variance Accounts Disposition Rate Rider for Group 2 DVAs (2015)	per kW			\$0.00	0.00%	\$ 0.0291	480	\$14	\$0.00	0.00%	\$ 0.0291	480	\$14	\$0.00	0.00%
Line Losses on Cost of Power	per kWh			\$0.00	0.00%	\$ 0.0925	6,811	\$630	\$0.00	0.00%	\$ 0.0925	6,811	\$630	\$0.00	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				<b>\$(16.05)</b>	<b>-0.49%</b>			\$3,395	<b>\$128.38</b>	<b>3.93%</b>			\$3,472	<b>\$77.0</b>	<b>2.27%</b>
RTSR - Network	per kW			\$0.00	0.00%	\$ 2.6140	480	\$1,255	\$0.00	0.00%	\$ 2.6140	480	\$1,255	\$0.00	0.00%
RTSR - Line and Transformation Connection	per kW			\$0.00	0.00%	\$ 2.0181	480	\$969	\$0.00	0.00%	\$ 2.0181	480	\$969	\$0.00	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				<b>\$(16.05)</b>	<b>-0.29%</b>			\$5,618	<b>\$128.38</b>	<b>2.34%</b>			\$5,695	<b>\$77.0</b>	<b>1.37%</b>
Wholesale Market Service Charge (WMSC)	per kWh			\$0.00	0.00%	\$ 0.0044	146,811	\$646	\$0.00	0.00%	\$ 0.0044	146,811	\$646	\$0.00	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh			\$0.00	0.00%	\$ 0.0013	146,811	\$191	\$0.00	0.00%	\$ 0.0013	146,811	\$191	\$0.00	0.00%
Standard Supply Service Charge	Monthly			\$0.00	0.00%	\$ 0.2500	1	\$0	\$0.00	0.00%	\$ 0.2500	1	\$0	\$0.00	0.00%
Debt Retirement Charge (DRC)	per kWh			\$0.00	0.00%	\$ 0.0070	140,000	\$980	\$0.00	0.00%	\$ 0.0070	140,000	\$980	\$0.00	0.00%
TOU - Off Peak	per kWh			\$0.00	0.00%	\$ 0.0750	89,600	\$6,720	\$0.00	0.00%	\$ 0.0750	89,600	\$6,720	\$0.00	0.00%
TOU - Mid Peak	per kWh			\$0.00	0.00%	\$ 0.1120	25,200	\$2,822	\$0.00	0.00%	\$ 0.1120	25,200	\$2,822	\$0.00	0.00%
TOU - On Peak	per kWh			\$0.00	0.00%	\$ 0.1350	25,200	\$3,402	\$0.00	0.00%	\$ 0.1350	25,200	\$3,402	\$0.00	0.00%
<b>Total Bill on TOU (before Taxes)</b>				<b>\$(16.05)</b>	<b>-0.08%</b>			\$20,380	<b>\$128.38</b>	<b>0.63%</b>			\$20,457	<b>\$77.0</b>	<b>0.38%</b>
HST				\$(2.09)	-0.08%	13%		\$2,649	\$16.69	0.63%	13%		\$2,659	\$10.01	0.38%
<b>Total Bill (including HST)</b>				<b>\$(18.14)</b>	<b>-0.08%</b>			\$23,029	\$145.07	0.63%			\$23,116	\$87.0	0.38%
<b>Ontario Clean Energy Benefit <sup>1</sup></b>				<b>\$1.81</b>	<b>-0.08%</b>			\$(2,303)	<b>\$(14.50)</b>	<b>0.63%</b>			\$(2,312)	<b>\$(8.71)</b>	<b>0.38%</b>
<b>Total Bill on TOU (including OCEB)</b>				<b>\$(16.33)</b>	<b>-0.08%</b>			\$20,726	<b>\$130.57</b>	<b>0.63%</b>			\$20,804	<b>\$78.3</b>	<b>0.38%</b>

Loss Factor (%)

4.86%

4.86%



## BILL IMPACTS – GS 1,000 TO 4,999 KW AT 919 KW (PART I OF II)

### General Service 1,000 To 4,999 KW

kWh KW	Consumption 417,000 919	Charge Unit	2014 Rates			2015 Rates			2015 v 2014		2016 Proposed Rates			2016 v 2015		2017 Proposed Rates		
			Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)
Monthly Service Charge	Monthly	per kW	\$ 1,221.57	1	\$1,222	\$ 1,221.57	1	\$1,222	\$0.00	0.00%	\$ 1,097.01	1	\$1,097	\$ (124.56)	-10.20%	\$ 1,120.74	1	\$1,121
Distribution Volumetric Rate	Monthly	per kW	\$ 2.5923	919	\$2,382	\$ 2.5923	919	\$2,382	\$0.00	0.00%	\$ 2.3852	919	\$2,192	\$ (190.32)	-7.99%	\$ 2.4246	919	\$2,228
2015 Oct-Dec Recovery	per kW					\$ -	919	\$0	\$0.00	0.00%	\$ 0.0723	919	\$66	\$66.44		\$ -	919	\$0
<b>Sub-Total A (excluding pass through)</b>					\$3,604			\$3,604	\$0.00	0.00%			\$3,355	\$ (248.44)	-6.89%			\$3,349
Deferral & Variance Accounts Disposition Rate Rider (2012)	per kW		-\$ 0.0244	919	\$(22)	-\$ 0.0244	919	\$(22)	\$0.00	0.00%	\$ -	919	\$0	\$22.42	-100.00%	\$ -	919	\$0
Deferral & Variance Accounts Disposition Rate Rider (2015)	per kW				\$0			\$0	\$0.00	0.00%	\$ 0.2866	919	\$263	\$263.43		\$ 0.2866	919	\$263
Global Adjustment Disposition Rate Rider (2015)	per kW				\$0			\$0	\$0.00	0.00%	\$ 0.6144	919	\$565	\$564.60		\$ 0.6144	919	\$565
Deferral & Variance Accounts Disposition Rate Rider for Group 2 DVAs (2015)	per kW										\$ 0.0333	919	\$31	\$30.63		\$ 0.0333	919	\$31
Line Losses on Cost of Power	per kWh		\$ 0.0925	17,931	\$1,658	\$ 0.0925	17,931	\$1,658	\$0.00	0.00%	\$ 0.0925	20,287	\$1,876	\$217.80	13.14%	\$ 0.0925	20,287	\$1,876
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>					\$5,239			\$5,239	\$0.00	0.00%			\$6,090	\$850.44	16.23%			\$6,083
RTSR - Network	per kW		\$ 3.1669	919	\$2,910	\$ 3.1669	919	\$2,910	\$0.00	0.00%	\$ 3.3504	919	\$3,079	\$168.67	5.80%	\$ 3.3504	919	\$3,079
RTSR - Line and Transformation Connection	per kW		\$ 2.3594	919	\$2,168	\$ 2.3594	919	\$2,168	\$0.00	0.00%	\$ 2.5637	919	\$2,356	\$187.75	8.66%	\$ 2.5637	919	\$2,356
<b>Sub-Total C - Delivery (including Sub-Total B)</b>					\$10,318			\$10,318	\$0.00	0.00%			\$11,525	\$1,206.86	11.70%			\$11,518
Wholesale Market Service Charge (WMSC)	per kWh		\$ 0.0044	434,931	\$1,914	\$ 0.0044	434,931	\$1,914	\$0.00	0.00%	\$ 0.0044	437,287	\$1,924	\$10.36	0.54%	\$ 0.0044	437,287	\$1,924
Rural and Remote Rate Protection (RRRP)	per kWh		\$ 0.0013	434,931	\$565	\$ 0.0013	434,931	\$565	\$0.00	0.00%	\$ 0.0013	437,287	\$568	\$3.06	0.54%	\$ 0.0013	437,287	\$568
Standard Supply Service Charge	Monthly		\$ 0.2500	1	\$0	\$ 0.2500	1	\$0	\$0.00	0.00%	\$ 0.2500	1	\$0	\$0.00	0.00%	\$ 0.2500	1	\$0
Debt Retirement Charge (DRC)	per kWh		\$ 0.0070	417,000	\$2,919	\$ 0.0070	417,000	\$2,919	\$0.00	0.00%	\$ 0.0070	417,000	\$2,919	\$0.00	0.00%	\$ 0.0070	417,000	\$2,919
TOU - Off Peak	per kWh		\$ 0.0750	266,880	\$20,016	\$ 0.0750	266,880	\$20,016	\$0.00	0.00%	\$ 0.0750	266,880	\$20,016	\$0.00	0.00%	\$ 0.0750	266,880	\$20,016
TOU - Mid Peak	per kWh		\$ 0.1120	75,060	\$8,407	\$ 0.1120	75,060	\$8,407	\$0.00	0.00%	\$ 0.1120	75,060	\$8,407	\$0.00	0.00%	\$ 0.1120	75,060	\$8,407
TOU - On Peak	per kWh		\$ 0.1350	75,060	\$10,133	\$ 0.1350	75,060	\$10,133	\$0.00	0.00%	\$ 0.1350	75,060	\$10,133	\$0.00	0.00%	\$ 0.1350	75,060	\$10,133
<b>Total Bill on TOU (before Taxes)</b>					\$54,272			\$54,272	\$0.00	0.00%			\$55,493	\$1,220.29	2.25%			\$55,486
HST			13%		\$7,055	13%		\$7,055	\$0.00	0.00%	13%		\$7,214	\$158.64	2.25%	13%		\$7,213
<b>Total Bill (including HST)</b>					\$61,328			\$61,328	\$0.00	0.00%			\$62,707	\$1,378.92	2.25%			\$62,699
<b>Ontario Clean Energy Benefit <sup>1</sup></b>					\$(6,133)			\$(6,133)	\$0.00	0.00%			\$(6,271)	\$(137.89)	2.25%			\$(6,270)
<b>Total Bill on TOU (including OCEB)</b>					\$55,195			\$55,195	\$0.00	0.00%			\$56,436	\$1,241.03	2.25%			\$56,429
<b>Loss Factor (%)</b>				4.30%			4.30%					4.86%					4.86%	

## BILL IMPACTS – GS 1,000 TO 4,999 KW AT 919 KW (PART II OF II)

### General Service 1,000 To 4,999 KW

	kWh KW	Consumption 417,000 919	2017 v 2016		2018 Proposed Interim Rates			2018 v 2017		2019 Proposed Interim Rates			2019 v 2018	
			\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly		\$23.73	2.16%	\$ 1,185.86	1	\$1,186	\$65.12	5.81%	\$ 1,224.94	1	\$1,225	\$39.08	3.30%
Distribution Volumetric Rate	per kW		\$36.21	1.65%	\$ 2.5329	919	\$2,328	\$99.53	4.47%	\$ 2.5979	919	\$2,387	\$59.73	2.57%
2015 Oct-Dec Recovery	per kW		\$(66.44)	-100.0%	\$ -	919	\$0	\$0.00		\$ -	919	\$0	0%	
<b>Sub-Total A (excluding pass through)</b>			<b>\$(6.5)</b>	<b>-0.19%</b>			<b>\$3,514</b>	<b>\$164.65</b>	<b>4.92%</b>			<b>\$3,612</b>	<b>\$98.81</b>	<b>2.81%</b>
Deferral & Variance Accounts														
Disposition Rate Rider (2012)	per kW		\$0.00		\$ -	919	\$0	\$0.00		\$ -	919	\$0	\$0.00	
Deferral & Variance Accounts														
Disposition Rate Rider (2015)	per kW		\$0.00	0.00%	\$ 0.2866	919	\$263	\$0.00	0.00%	\$ 0.2866	919	\$263	\$0.00	0.00%
Global Adjustment Disposition														
Rate Rider (2015)	per kW		\$0.00	0.00%	\$ 0.6144	919	\$565	\$0.00	0.00%	\$ 0.6144	919	\$565	\$0.00	0.00%
Deferral & Variance Accounts														
Disposition Rate Rider for														
Group 2 DVAs (2015)	per kW		\$0.00	0.00%	\$ 0.0333	919	\$31	\$0.00	0.00%	\$ 0.0333	919	\$31	\$0.00	0.00%
Line Losses on Cost of Power	per kWh		\$0.00	0.00%	\$ 0.0925	20,287	\$1,876	\$0.00	0.00%	\$ 0.0925	20,287	\$1,876	\$0.00	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$(6.5)</b>	<b>-0.11%</b>			<b>\$6,248</b>	<b>\$164.65</b>	<b>2.71%</b>			<b>\$6,347</b>	<b>\$98.81</b>	<b>1.58%</b>
RTSR - Network	per kW		\$0.00	0.00%	\$ 3.3504	919	\$3,079	\$0.00	0.00%	\$ 3.3504	919	\$3,079	\$0.00	0.00%
RTSR - Line and Transformation														
Connection	per kW		\$0.00	0.00%	\$ 2.5637	919	\$2,356	\$0.00	0.00%	\$ 2.5637	919	\$2,356	\$0.00	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$(6.5)</b>	<b>-0.06%</b>			<b>\$11,683</b>	<b>\$164.65</b>	<b>1.43%</b>			<b>\$11,782</b>	<b>\$98.81</b>	<b>0.85%</b>
Wholesale Market Service														
Charge (WMSC)	per kWh		\$0.00	0.00%	\$ 0.0044	437,287	\$1,924	\$0.00	0.00%	\$ 0.0044	437,287	\$1,924	\$0.00	0.00%
Rural and Remote Rate														
Protection (RRRP)	per kWh		\$0.00	0.00%	\$ 0.0013	437,287	\$568	\$0.00	0.00%	\$ 0.0013	437,287	\$568	\$0.00	0.00%
Standard Supply Service Charge	Monthly		\$0.00	0.00%	\$ 0.2500	1	\$0	\$0.00	0.00%	\$ 0.2500	1	\$0	\$0.00	0.00%
Debt Retirement Charge (DRC)	per kWh		\$0.00	0.00%	\$ 0.0070	417,000	\$2,919	\$0.00	0.00%	\$ 0.0070	417,000	\$2,919	\$0.00	0.00%
TOU - Off Peak	per kWh		\$0.00	0.00%	\$ 0.0750	266,880	\$20,016	\$0.00	0.00%	\$ 0.0750	266,880	\$20,016	\$0.00	0.00%
TOU - Mid Peak	per kWh		\$0.00	0.00%	\$ 0.1120	75,060	\$8,407	\$0.00	0.00%	\$ 0.1120	75,060	\$8,407	\$0.00	0.00%
TOU - On Peak	per kWh		\$0.00	0.00%	\$ 0.1350	75,060	\$10,133	\$0.00	0.00%	\$ 0.1350	75,060	\$10,133	\$0.00	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$(6.5)</b>	<b>-0.01%</b>			<b>\$55,651</b>	<b>\$164.65</b>	<b>0.30%</b>			<b>\$55,749</b>	<b>\$98.82</b>	<b>0.18%</b>
HST			\$(0.85)	-0.01%	13%		\$7,235	\$21.40	0.30%	13%		\$7,247	\$12.85	0.18%
<b>Total Bill (including HST)</b>			<b>\$(7.4)</b>	<b>-0.01%</b>			<b>\$62,885</b>	<b>\$186.05</b>	<b>0.30%</b>			<b>\$62,997</b>	<b>\$111.7</b>	<b>0.18%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>			<b>\$0.73</b>	<b>-0.01%</b>			<b>\$(6,289)</b>	<b>\$(18.60)</b>	<b>0.30%</b>			<b>\$(6,300)</b>	<b>\$(11.17)</b>	<b>0.18%</b>
<b>Total Bill on TOU (including OCEB)</b>			<b>\$(6.6)</b>	<b>-0.01%</b>			<b>\$56,597</b>	<b>\$167.45</b>	<b>0.30%</b>			<b>\$56,697</b>	<b>\$100.49</b>	<b>0.18%</b>

Loss Factor (%)

4.86%

4.86%

## BILL IMPACTS – LARGE USE >5,000 KW AT 7,828 KW (PART I OF II)

### Large User (> 5,000 KW)

	kWh KW	Consumption 3,662,000 7,828	2014 Rates			2015 Rates			2015 v 2014		2016 Proposed Rates			2016 v 2015		2017 Proposed Rates		
			Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)
Monthly Service Charge	Monthly		\$ 8,270.63	1	\$8,271	\$ 8,270.63	1	\$8,271	\$0.00	0.00%	\$ 8,347.42	1	\$8,347	\$76.79	0.93%	\$ 8,527.98	1	\$8,528
Distribution Volumetric Rate	per kW		\$ 2.0531	7,828	\$16,072	\$ 2.0531	7,828	\$16,072	\$0.00	0.00%	\$ 2.0666	7,828	\$16,177	\$105.68	0.66%	\$ 2.0983	7,828	\$16,425
2015 Oct-Dec Recovery	per kW					\$ -	7,828	\$0	\$0.00		\$ 0.0687	7,828	\$538	\$537.78		\$ -	7,828	\$0
<b>Sub-Total A (excluding pass through)</b>					\$24,342			\$24,342	<b>\$0.00</b>	<b>0.00%</b>			\$25,063	<b>\$720.25</b>	<b>2.96%</b>			\$24,953
Deferral & Variance Accounts																		
Disposition Rate Rider (2012)	per kW		-\$ 0.0251	7,828	\$(196)	-\$ 0.0251	7,828	\$(196)	\$0.00	0.00%	\$ -	7,828	\$0	\$196.48	-100.00%	\$ -	7,828	\$0
Deferral & Variance Accounts																		
Disposition Rate Rider (2015)	per kW				\$0		7,828	\$0	\$0.00		\$ 0.2799	7,828	\$2,191	\$2,191.44		\$ 0.2799	7,828	\$2,191
Global Adjustment Disposition Rate Rider (2015)	per kW				\$0		7,828	\$0	\$0.00		\$ -	7,828	\$0	\$0.00		\$ -	7,828	\$0
Deferral & Variance Accounts																		
Disposition Rate Rider for Group 2 DVAs (2015)	per kW				\$0		7,828	\$0	\$0.00		\$ 0.0326	7,828	\$255	\$254.90		\$ 0.0326	7,828	\$255
Line Losses on Cost of Power	per kWh		\$ 0.0925	53,099	\$4,910	\$ 0.0925	53,099	\$4,910	\$0.00	0.00%	\$ 0.0925	53,099	\$4,910	\$0.00	0.00%	\$ 0.0925	53,099	\$4,910
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>					\$29,055			\$29,055	<b>\$0.00</b>	<b>0.00%</b>			\$32,418	<b>\$3,363.08</b>	<b>11.57%</b>			\$32,309
RTSR - Network	per kW		\$ 3.3743	7,828	\$26,414	\$ 3.3743	7,828	\$26,414	\$0.00	0.00%	\$ 3.5699	7,828	\$27,945	\$1,530.80	5.80%	\$ 3.5699	7,828	\$27,945
RTSR - Line and Transformation Connection	per kW		\$ 2.5744	7,828	\$20,152	\$ 2.5744	7,828	\$20,152	\$0.00	0.00%	\$ 2.7973	7,828	\$21,897	\$1,745.00	8.66%	\$ 2.7973	7,828	\$21,897
<b>Sub-Total C - Delivery (including Sub-Total B)</b>					\$75,622			\$75,622	<b>\$0.00</b>	<b>0.00%</b>			\$82,261	<b>\$6,638.88</b>	<b>8.78%</b>			\$82,152
Wholesale Market Service Charge (WMSC)	per kWh		\$ 0.0044	3,715,099	\$16,346	\$ 0.0044	3,715,099	\$16,346	\$0.00	0.00%	\$ 0.0044	3,715,099	\$16,346	\$0.00	0.00%	\$ 0.0044	3,715,099	\$16,346
Rural and Remote Rate Protection (RRRP)	per kWh		\$ 0.0013	3,715,099	\$4,830	\$ 0.0013	3,715,099	\$4,830	\$0.00	0.00%	\$ 0.0013	3,715,099	\$4,830	\$0.00	0.00%	\$ 0.0013	3,715,099	\$4,830
Standard Supply Service Charge	Monthly		\$ 0.2500	1	\$0	\$ 0.2500	1	\$0	\$0.00	0.00%	\$ 0.2500	1	\$0	\$0.00	0.00%	\$ 0.2500	1	\$0
Debt Retirement Charge (DRC)	per kWh		\$ 0.0070	3,662,000	\$25,634	\$ 0.0070	3,662,000	\$25,634	\$0.00	0.00%	\$ 0.0070	3,662,000	\$25,634	\$0.00	0.00%	\$ 0.0070	3,662,000	\$25,634
TOU - Off Peak	per kWh		\$ 0.0750	2,343,680	\$175,776	\$ 0.0750	2,343,680	\$175,776	\$0.00	0.00%	\$ 0.0750	2,343,680	\$175,776	\$0.00	0.00%	\$ 0.0750	2,343,680	\$175,776
TOU - Mid Peak	per kWh		\$ 0.1120	659,160	\$73,826	\$ 0.1120	659,160	\$73,826	\$0.00	0.00%	\$ 0.1120	659,160	\$73,826	\$0.00	0.00%	\$ 0.1120	659,160	\$73,826
TOU - On Peak	per kWh		\$ 0.1350	659,160	\$88,987	\$ 0.1350	659,160	\$88,987	\$0.00	0.00%	\$ 0.1350	659,160	\$88,987	\$0.00	0.00%	\$ 0.1350	659,160	\$88,987
<b>Total Bill on TOU (before Taxes)</b>					\$461,021			\$461,021	<b>\$0.00</b>	<b>0.00%</b>			\$467,659	<b>\$6,638.88</b>	<b>1.44%</b>			\$467,550
HST			13%		\$59,933	13%		\$59,933	\$0.00	0.00%	13%		\$60,796	\$863.05	1.44%	13%		\$60,782
<b>Total Bill (including HST)</b>					\$520,953			\$520,953	\$0.00	0.00%			\$528,455	\$7,501.93	1.44%			\$528,332
<b>Ontario Clean Energy Benefit <sup>1</sup></b>					\$(52,095)			\$(52,095)	<b>\$0.00</b>	<b>0.00%</b>			\$(52,846)	\$(750.19)	<b>1.44%</b>			\$(52,833)
<b>Total Bill on TOU (including OCEB)</b>					\$468,858			\$468,858	<b>\$0.00</b>	<b>0.00%</b>			\$475,610	<b>\$6,751.74</b>	<b>1.44%</b>			\$475,499
<b>Loss Factor (%)</b>				1.45%			1.45%					1.45%					1.45%	

## BILL IMPACTS – LARGE USE >5,000 KW AT 7,828 KW (PART II OF II)

### Large User (> 5,000 KW)

	kWh KW	Consumption 3,662,000 7,828	2017 v 2016		2018 Proposed Interim Rates			2018 v 2017		2019 Proposed Interim Rates			2019 v 2018	
			\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly		\$180.56	2.16%	\$ 9,023.50	1	\$9,024	\$495.52	5.81%	\$ 9,320.91	1	\$9,321	\$297.41	3.30%
Distribution Volumetric Rate	per kW		\$248.15	1.53%	\$ 2.1854	7,828	\$17,107	\$681.82	4.15%	\$ 2.2377	7,828	\$17,517	\$409.40	2.39%
2015 Oct-Dec Recovery	per kW		\$(537.78)	-100.00%	\$ -	7,828	\$0	\$0.00		\$ -	7,828	\$0	\$0	
<b>Sub-Total A (excluding pass through)</b>			<b>\$(109)</b>	<b>-0.44%</b>			<b>\$26,131</b>	<b>\$1,177</b>	<b>4.72%</b>			<b>\$26,838</b>	<b>\$707</b>	<b>2.70%</b>
Deferral & Variance Accounts Disposition Rate Rider (2012)	per kW		\$0.00		\$ -	7,828	\$0	\$0.00		\$ -	7,828	\$0	\$0.00	
Deferral & Variance Accounts Disposition Rate Rider (2015)	per kW		\$0.00	0.00%	\$ 0.2799	7,828	\$2,191	\$0.00	0.00%	\$ 0.2799	7,828	\$2,191	\$0.00	0.00%
Global Adjustment Disposition Rate Rider (2015)	per kW		\$0.00		\$ -	7,828	\$0	\$0.00		\$ -	7,828	\$0	\$0.00	
Deferral & Variance Accounts Disposition Rate Rider for Group 2 DVAs (2015)	per kW		\$0.00	0.00%	\$ 0.0326	7,828	\$255	\$0.00	0.00%	\$ 0.0326	7,828	\$255	\$0.00	0.00%
Line Losses on Cost of Power	per kWh		\$0.00	0.00%	\$ 0.0925	53,099	\$4,910	\$0.00	0.00%	\$ 0.0925	53,099	\$4,910	\$0.00	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$(109)</b>	<b>-0.34%</b>			<b>\$33,487</b>	<b>\$1,177</b>	<b>3.64%</b>			<b>\$34,194</b>	<b>\$707</b>	<b>2.11%</b>
RTSR - Network	per kW		\$0.00	0.00%	\$ 3.5699	7,828	\$27,945	\$0.00	0.00%	\$ 3.5699	7,828	\$27,945	\$0.00	0.00%
RTSR - Line and Transformation Connection	per kW		\$0.00	0.00%	\$ 2.7973	7,828	\$21,897	\$0.00	0.00%	\$ 2.7973	7,828	\$21,897	\$0.00	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$(109)</b>	<b>-0.13%</b>			<b>\$83,329</b>	<b>\$1,177</b>	<b>1.43%</b>			<b>\$84,036</b>	<b>\$707</b>	<b>0.85%</b>
Wholesale Market Service Charge (WMSC)	per kWh		\$0.00	0.00%	\$ 0.0044	3,715,099	\$16,346	\$0.00	0.00%	\$ 0.0044	3,715,099	\$16,346	\$0.00	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh		\$0.00	0.00%	\$ 0.0013	3,715,099	\$4,830	\$0.00	0.00%	\$ 0.0013	3,715,099	\$4,830	\$0.00	0.00%
Standard Supply Service Charge	Monthly		\$0.00	0.00%	\$ 0.2500	1	\$0	\$0.00	0.00%	\$ 0.2500	1	\$0	\$0.00	0.00%
Debt Retirement Charge (DRC)	per kWh		\$0.00	0.00%	\$ 0.0070	3,662,000	\$25,634	\$0.00	0.00%	\$ 0.0070	3,662,000	\$25,634	\$0.00	0.00%
TOU - Off Peak	per kWh		\$0.00	0.00%	\$ 0.0750	2,343,680	\$175,776	\$0.00	0.00%	\$ 0.0750	2,343,680	\$175,776	\$0.00	0.00%
TOU - Mid Peak	per kWh		\$0.00	0.00%	\$ 0.1120	659,160	\$73,826	\$0.00	0.00%	\$ 0.1120	659,160	\$73,826	\$0.00	0.00%
TOU - On Peak	per kWh		\$0.00	0.00%	\$ 0.1350	659,160	\$88,987	\$0.00	0.00%	\$ 0.1350	659,160	\$88,987	\$0.00	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$(109)</b>	<b>-0.02%</b>			<b>\$468,728</b>	<b>\$1,177</b>	<b>0.25%</b>			<b>\$469,435</b>	<b>\$707</b>	<b>0.15%</b>
HST			\$(14)	-0.02%	13%		\$60,935	\$153	0.25%	13%		\$61,026	\$92	0.15%
<b>Total Bill (including HST)</b>			<b>\$(123)</b>	<b>-0.02%</b>			<b>\$529,662</b>	<b>\$1,330</b>	<b>0.25%</b>			<b>\$530,461</b>	<b>\$799</b>	<b>0.15%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>			<b>\$12</b>	<b>-0.02%</b>			<b>\$(52,966)</b>	<b>\$(133)</b>	<b>0.25%</b>			<b>\$(53,046)</b>	<b>\$(80)</b>	<b>0.15%</b>
<b>Total Bill on TOU (including OCEB)</b>			<b>\$(111)</b>	<b>-0.02%</b>			<b>\$476,696</b>	<b>\$1,197</b>	<b>0.25%</b>			<b>\$477,415</b>	<b>\$719</b>	<b>0.15%</b>

Loss Factor (%)

1.45%

1.45%

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## BILL IMPACTS – STREET LIGHTING (PART II OF II)

### Street Lighting

Consumption (incl. transition to LED)		30 kWh 0.08 KW		30 kWh 0.08 KW									
Charge Unit	2017 v 2016		2018 Proposed Interim Rates			2018 v 2017		2019 Proposed Interim Rates			2019 v 2018		
	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	
Monthly Service Charge	Monthly	\$0.09	5.03%	\$ 2.05	1	\$2.05	\$0.13	6.54%	\$ 2.12	1	\$2.12	\$0.07	3.46%
Distribution Volumetric Rate	per kW	\$0.11	4.98%	\$ 31.6243	0.1	\$2.53	\$0.16	6.60%	\$ 32.6666	0.1	\$2.61	\$0.08	3.30%
2015 Oct-Dec Recovery	per kW	\$(0.10)	-100.00%	\$ -	0.1	\$0.00	\$0.00		\$ -	0.1	\$0.00	\$0.00	
Sub-Total A (excluding pass through)		\$0.10	2.38%			\$4.58	\$0.28	6.57%			\$4.73	\$0.15	3.37%
Deferral & Variance Accounts Disposition Rate Rider (2012)	per kW	\$0.00		\$ -	0.1	\$0.00	\$0.00		\$ -	0.1	\$0.00	\$0.00	
Deferral & Variance Accounts Disposition Rate Rider (2015)	per kW	\$0.00	0.00%	\$ 0.2272	0.1	\$0.02	\$0.00	0.00%	\$ 0.2272	0.1	\$0.02	\$0.00	0.00%
Global Adjustment Disposition Rate Rider (2015)	per kW	\$0.00	0.00%	\$ 0.4869	0.1	\$0.04	\$0.00	0.00%	\$ 0.4869	0.1	\$0.04	\$0.00	0.00%
Deferral & Variance Accounts Disposition Rate Rider for Group 2 DVAs (2015)	per kW	\$0.00	0.00%	\$ 0.0245	0.1	\$0.00	\$0.00	0.00%	\$ 0.0245	0.1	\$0.00	\$0.00	0.00%
Line Losses on Cost of Power	per kWh	\$0.00	0.00%	\$ 0.0925	1.5	\$0.13	\$0.00	0.00%	\$ 0.0925	1.5	\$0.13	\$0.00	0.00%
Sub-Total B - Distribution (includes Sub-Total A)		\$0.10	2.27%			\$4.77	\$0.28	6.29%			\$4.92	\$0.15	3.23%
RTSR - Network	per kW	\$0.00	0.00%	\$ 1.7724	0.1	\$0.14	\$0.00	0.00%	\$ 1.7724	0.1	\$0.14	\$0.00	0.00%
RTSR - Line and Transformation Connection	per kW	\$0.00	0.00%	\$ 2.3290	0.1	\$0.19	\$0.00	0.00%	\$ 2.3290	0.1	\$0.19	\$0.00	0.00%
Sub-Total C - Delivery (including Sub-Total B)		\$0.10	2.12%			\$5.10	\$0.28	5.86%			\$5.25	\$0.15	3.03%
Wholesale Market Service Charge (WMSC)	per kWh	\$0.00	0.00%	\$ 0.0044	31	\$0.14	\$0.00	0.00%	\$ 0.0044	31	\$0.14	\$0.00	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$0.00	0.00%	\$ 0.0013	31	\$0.04	\$0.00	0.00%	\$ 0.0013	31	\$0.04	\$0.00	0.00%
Standard Supply Service Charge	Monthly	\$0.00	0.00%	\$ 0.2500	1	\$0.25	\$0.00	0.00%	\$ 0.2500	1	\$0.25	\$0.00	0.00%
Debt Retirement Charge (DRC)	per kWh	\$0.00	0.00%	\$ 0.0070	30	\$0.21	\$0.00	0.00%	\$ 0.0070	30	\$0.21	\$0.00	0.00%
TOU - Off Peak	per kWh	\$0.00	0.00%	\$ 0.0750	19	\$1.44	\$0.00	0.00%	\$ 0.0750	19	\$1.44	\$0.00	0.00%
TOU - Mid Peak	per kWh	\$0.00	0.00%	\$ 0.1120	5	\$0.60	\$0.00	0.00%	\$ 0.1120	5	\$0.60	\$0.00	0.00%
TOU - On Peak	per kWh	\$0.00	0.00%	\$ 0.1350	5	\$0.73	\$0.00	0.00%	\$ 0.1350	5	\$0.73	\$0.00	0.00%
Total Bill on TOU (before Taxes)		\$0.10	1.23%			\$8.50	\$0.28	3.43%			\$8.66	\$0.15	1.81%
HST		\$0.01	1.23%	13%		\$1.11	\$0.04	3.43%	13%		\$1.13	\$0.02	1.81%
Total Bill (including HST)		\$0.11	1.23%			\$9.61	\$0.32	3.43%			\$9.78	\$0.17	1.81%
Ontario Clean Energy Benefit <sup>1</sup>		\$(0.01)	1.09%			\$(0.96)	\$(0.03)	3.23%			\$(0.98)	\$(0.02)	2.08%
Total Bill on TOU (including OCEB)		\$0.10	1.25%			\$8.65	\$0.29	3.46%			\$8.80	\$0.15	1.79%

Loss Factor (%)

4.86%

4.86%

## BILL IMPACTS – SENTINEL (PART I OF II)

### Sentinel Lighting

		Consumption															
kWh		128															
kW		0.4															
		Charge Unit															
Monthly Service Charge		Monthly															
Distribution Volumetric Rate		per kW															
2015 Oct-Dec Recovery		per kW															
<b>Sub-Total A (excluding pass through)</b>																	
Deferral & Variance Accounts		per kW															
Disposition Rate Rider (2012)		per kW															
Deferral & Variance Accounts		per kW															
Disposition Rate Rider (2015)		per kW															
Global Adjustment Disposition		per kW															
Rate Rider (2015)		per kW															
Deferral & Variance Accounts		per kW															
Disposition Rate Rider for		per kW															
Group 2 DVAs (2015)		per kW															
Line Losses on Cost of Power		per kWh															
<b>Sub-Total B - Distribution</b>																	
<b>(includes Sub-Total A)</b>																	
RTSR - Network		per kW															
RTSR - Line and Transformation		per kW															
Connection		per kW															
<b>Sub-Total C - Delivery</b>																	
<b>(including Sub-Total B)</b>																	
Wholesale Market Service		per kWh															
Charge (WMSC)		per kWh															
Rural and Remote Rate		per kWh															
Protection (RRRP)		per kWh															
Standard Supply Service Charge		Monthly															
Debt Retirement Charge (DRC)		per kWh															
TOU - Off Peak		per kWh															
TOU - Mid Peak		per kWh															
TOU - On Peak		per kWh															
<b>Total Bill on TOU (before Taxes)</b>																	
HST																	
<b>Total Bill (including HST)</b>																	
<b>Ontario Clean Energy Benefit <sup>1</sup></b>																	
<b>Total Bill on TOU (including OCEB)</b>																	
Loss Factor (%)																	

## BILL IMPACTS – SENTINEL (PART II OF II)

### Sentinel Lighting

		Consumption													
kWh		128													
kW		0.4													
Charge Unit															
Monthly Service Charge		Monthly		\$0.12	2.22%	\$ 5.68	1	\$6	\$0.31	5.74%	\$ 5.87	1	\$6	\$0.19	3.26%
Distribution Volumetric Rate		per kW		\$0.06	2.16%	\$ 8.1169	0.4	\$3	\$0.18	5.81%	\$ 8.3844	0.4	\$3	\$0.11	3.30%
2015 Oct-Dec Recovery		per kW		\$(0.24)	-100.00%	\$ -	0.4	\$0	\$0.00		\$ -	0.4	\$0	\$0.00	
<b>Sub-Total A (excluding pass through)</b>				<b>\$(0.06)</b>	<b>-0.73%</b>			<b>\$9</b>	<b>\$0.49</b>	<b>5.76%</b>			<b>\$9</b>	<b>\$0.29</b>	<b>3.27%</b>
Deferral & Variance Accounts															
Disposition Rate Rider (2012)		per kW		\$0.00		\$ -	0.4	\$0	\$0.00		\$ -	0.4	\$0	\$0.00	
Deferral & Variance Accounts															
Disposition Rate Rider (2015)		per kW		\$0.00	0.00%	\$ 0.2168	0.4	\$0	\$0.00	0.00%	\$ 0.2168	0.4	\$0	\$0.00	0.00%
Global Adjustment Disposition															
Rate Rider (2015)		per kW		\$0.00		\$ -	0.4	\$0	\$0.00		\$ -	0.4	\$0	\$0.00	
Deferral & Variance Accounts															
Disposition Rate Rider for															
Group 2 DVAs (2015)		per kW		\$0.00	0.00%	\$ 0.0233	0.4	\$0	\$0.00	0.00%	\$ 0.0233	0.4	\$0	\$0.00	0.00%
Line Losses on Cost of Power		per kWh		\$0.00	0.00%	\$ 0.0925	6.2	\$1	\$0.00	0.00%	\$ 0.0925	6.2	\$1	\$0.00	0.00%
<b>Sub-Total B - Distribution</b>				<b>\$(0.06)</b>	<b>-0.68%</b>			<b>\$10</b>	<b>\$0.49</b>	<b>5.34%</b>			<b>\$9.89</b>	<b>\$0.29</b>	<b>3.04%</b>
<b>(includes Sub-Total A)</b>															
RTSR - Network		per kW		\$0.00	0.00%	\$ 1.8030	0.4	\$1	\$0.00	0.00%	\$ 1.8030	0.4	\$1	\$0.00	0.00%
RTSR - Line and Transformation															
Connection		per kW		\$0.00	0.00%	\$ 2.3691	0.4	\$1	\$0.00	0.00%	\$ 2.3691	0.4	\$1	\$0.00	0.00%
<b>Sub-Total C - Delivery</b>				<b>\$(0.06)</b>	<b>-0.58%</b>			<b>\$11</b>	<b>\$0.49</b>	<b>4.51%</b>			<b>\$12</b>	<b>\$0.29</b>	<b>2.59%</b>
<b>(including Sub-Total B)</b>															
Wholesale Market Service															
Charge (WMSD)		per kWh		\$0.00	0.00%	\$ 0.0044	134	\$1	\$0.00	0.00%	\$ 0.0044	134	\$1	\$0.00	0.00%
Rural and Remote Rate															
Protection (RRRP)		per kWh		\$0.00	0.00%	\$ 0.0013	134	\$0	\$0.00	0.00%	\$ 0.0013	134	\$0	\$0.00	0.00%
Standard Supply Service Charge		Monthly		\$0.00	0.00%	\$ 0.2500	1	\$0	\$0.00	0.00%	\$ 0.2500	1	\$0	\$0.00	0.00%
Debt Retirement Charge (DRC)		per kWh		\$0.00	0.00%	\$ 0.0070	128	\$1	\$0.00	0.00%	\$ 0.0070	128	\$1	\$0.00	0.00%
TOU - Off Peak		per kWh		\$0.00	0.00%	\$ 0.0750	82	\$6	\$0.00	0.00%	\$ 0.0750	82	\$6	\$0.00	0.00%
TOU - Mid Peak		per kWh		\$0.00	0.00%	\$ 0.1120	23	\$3	\$0.00	0.00%	\$ 0.1120	23	\$3	\$0.00	0.00%
TOU - On Peak		per kWh		\$0.00	0.00%	\$ 0.1350	23	\$3	\$0.00	0.00%	\$ 0.1350	23	\$3	\$0.00	0.00%
<b>Total Bill on TOU (before Taxes)</b>				<b>\$(0.06)</b>	<b>-0.25%</b>			<b>\$25.02</b>	<b>\$0.49</b>	<b>1.98%</b>			<b>\$25.31</b>	<b>\$0.29</b>	<b>1.17%</b>
HST				\$(0.01)	-0.25%	13%		\$3.25	\$0.06	1.98%	13%		\$3.29	\$0.04	1.17%
<b>Total Bill (including HST)</b>				<b>\$(0.07)</b>	<b>-0.25%</b>			<b>\$28.27</b>	<b>\$0.55</b>	<b>1.98%</b>			<b>\$28.60</b>	<b>\$0.33</b>	<b>1.17%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>				<b>\$0.01</b>	<b>-0.36%</b>			<b>\$(2.83)</b>	<b>\$(0.06)</b>	<b>2.17%</b>			<b>\$(2.86)</b>	<b>\$(0.03)</b>	<b>1.06%</b>
<b>Total Bill on TOU (including OCEB)</b>				<b>\$(0.06)</b>	<b>-0.24%</b>			<b>\$25.44</b>	<b>\$0.49</b>	<b>1.96%</b>			<b>\$25.74</b>	<b>\$0.30</b>	<b>1.18%</b>

Loss Factor (%)

4.86%

4.86%



## BILL IMPACTS – UNMETERED SCATTERED LOAD AT 750 KWH (PART I OF II)

### Unmetered Scattered Load

		Consumption kWh 750																	
				2014 Rates		2015 Rates		2015 v 2014		2016 Proposed Rates		2016 v 2015		2017 Proposed Rates					
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)		
Monthly Service Charge	Monthly	\$ 3.3400	1	\$3.34	\$ 3.3400	1	\$3.34	\$0.00	0.00%	\$ 4.3575	1	\$4.36	\$1.02	30.46%	\$ 4.4526	1	\$4.45		
Distribution Volumetric Rate	per kWh	\$ 0.0136	750	\$10.20	\$ 0.0136	750	\$10.20	\$0.00	0.00%	\$ 0.0178	750	\$13.35	\$3.15	30.88%	\$ 0.0182	750	\$13.65		
2015 Oct-Dec Recovery	per kWh				\$ -	750	\$0.00	\$0.00	0.00%	\$ 0.0006	750	\$0.45	\$0.45		\$ -	750	\$0.00		
<b>Sub-Total A (excluding pass through)</b>				\$13.54			\$13.54	\$0.00	0.00%			\$18.16	\$4.62	34.10%			\$18.10		
Deferral & Variance Accounts																			
Disposition Rate Rider (2012)	per kWh	\$ 0.0002	750	\$0.15	\$ 0.0002	750	\$0.15	\$0.00	0.00%	\$ -	750	\$0.00	\$(0.15)	-100.00%	\$ -	750	\$0.00		
Deferral & Variance Accounts																			
Disposition Rate Rider (2015)	per kWh		750	\$0.00		750	\$0.00	\$0.00		\$ 0.0006	750	\$0.47	\$0.47		\$ 0.0006	750	\$0.47		
Global Adjustment Disposition																			
Rate Rider (2015)	per kWh		750	\$0.00		750	\$0.00	\$0.00		\$ 0.0014	750	\$1.02	\$1.02		\$ 0.0014	750	\$1.02		
Deferral & Variance Accounts																			
Disposition Rate Rider for																			
Group 2 DVAs (2015)	per kWh		750	\$0.00		750	\$0.00	\$0.00		\$ 0.0001	750	\$0.05	\$0.05		\$ 0.0001	750	\$0.05		
Low Voltage Service Charge	per kWh		750	\$0.00		750	\$0.00	\$0.00			750	\$0.00	\$0.00			750	\$0.00		
Line Losses on Cost of Power	per kWh	\$ 0.0925	32.25	\$2.98	\$ 0.0925	32.25	\$2.98	\$0.00	0.00%	\$ 0.0925	36.49	\$3.37	\$0.39	13.14%	\$ 0.0925	36.49	\$3.37		
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$16.67			\$16.67	\$0.00	0.00%			\$23.08	\$6.41	38.43%			\$23.02		
RTSR - Network	per kWh	\$ 0.0068	782	\$5.32	\$ 0.0068	782	\$5.32	\$0.00	0.00%	\$ 0.0072	786	\$5.66	\$0.34	6.37%	\$ 0.0072	786	\$5.66		
RTSR - Line and Transformation																			
Connection	per kWh	\$ 0.0052	782	\$4.07	\$ 0.0052	782	\$4.07	\$0.00	0.00%	\$ 0.0057	786	\$4.44	\$0.38	9.25%	\$ 0.0057	786	\$4.44		
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$26.06			\$26.06	\$0.00	0.00%			\$33.18	\$7.12	27.33%			\$33.13		
Wholesale Market Service																			
Charge (WMSC)	per kWh	\$ 0.0044	782	\$3.44	\$ 0.0044	782	\$3.44	\$0.00	0.00%	\$ 0.0044	786	\$3.46	\$0.02	0.54%	\$ 0.0044	786	\$3.46		
Rural and Remote Rate																			
Protection (RRRP)	per kWh	\$ 0.0013	782	\$1.02	\$ 0.0013	782	\$1.02	\$0.00	0.00%	\$ 0.0013	786	\$1.02	\$0.01	0.54%	\$ 0.0013	786	\$1.02		
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$0.25	\$ 0.2500	1	\$0.25	\$0.00	0.00%	\$ 0.2500	1	\$0.25	\$0.00	0.00%	\$ 0.2500	1	\$0.25		
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	750	\$5.25	\$ 0.0070	750	\$5.25	\$0.00	0.00%	\$ 0.0070	750	\$5.25	\$0.00	0.00%	\$ 0.0070	750	\$5.25		
TOU - Off Peak	per kWh	\$ 0.0750	480	\$36.00	\$ 0.0750	480	\$36.00	\$0.00	0.00%	\$ 0.0750	480	\$36.00	\$0.00	0.00%	\$ 0.0750	480	\$36.00		
TOU - Mid Peak	per kWh	\$ 0.1120	135	\$15.12	\$ 0.1120	135	\$15.12	\$0.00	0.00%	\$ 0.1120	135	\$15.12	\$0.00	0.00%	\$ 0.1120	135	\$15.12		
TOU - On Peak	per kWh	\$ 0.1350	135	\$18.23	\$ 0.1350	135	\$18.23	\$0.00	0.00%	\$ 0.1350	135	\$18.23	\$0.00	0.00%	\$ 0.1350	135	\$18.23		
Energy - RPP - Tier 1	per kWh	\$ 0.0830	600	\$49.80	\$ 0.0830	600	\$49.80	\$0.00	0.00%	\$ 0.0830	600	\$49.80	\$0.00	0.00%	\$ 0.0830	600	\$49.80		
Energy - RPP - Tier 2	per kWh	\$ 0.0970	150	\$14.55	\$ 0.0970	150	\$14.55	\$0.00	0.00%	\$ 0.0970	150	\$14.55	\$0.00	0.00%	\$ 0.0970	150	\$14.55		
<b>Total Bill on TOU (before Taxes)</b>				\$105.36			\$105.36	\$0.00	0.00%			\$112.51	\$7.15	6.78%			\$112.45		
HST		13%		\$13.70	13%		\$13.70	\$0.00	0.00%	13%		\$14.63	\$0.93	6.78%	13%		\$14.62		
<b>Total Bill (including HST)</b>				\$119.06			\$119.06	\$0.00	0.00%			\$127.13	\$8.07	6.78%			\$127.07		
<b>Ontario Clean Energy Benefit <sup>1</sup></b>				\$(11.91)			\$(11.91)	\$0.00	0.00%			\$(12.71)	\$(0.80)	6.72%			\$(12.71)		
<b>Total Bill on TOU (including OCEB)</b>				\$107.15			\$107.15	\$0.00	0.00%			\$114.42	\$7.27	6.79%			\$114.36		
<b>Loss Factor (%)</b>		4.30%		4.30%		4.86%		4.86%											

## BILL IMPACTS – UNMETERED SCATTERED LOAD AT 750 KWH (PART II OF II)

### Unmetered Scattered Load

Consumption		2017 v 2016		2018 Proposed Interim Rates			2018 v 2017		2019 Proposed Interim Rates			2019 v 2018	
kWh	750	\$	%	Rate (\$)	Volume	Charge (\$)	\$	%	Rate (\$)	Volume	Charge (\$)	\$	%
Charge Unit		Change	Change				Change	Change				Change	Change
Monthly Service Charge	Monthly	\$0.10	2.18%	\$ 4.7710	1	\$4.77	\$0.32	7.15%	\$ 4.9272	1	\$4.93	\$0.16	3.27%
Distribution Volumetric Rate	per kWh	\$0.30	2.25%	\$ 0.0195	750	\$14.63	\$0.98	7.14%	\$ 0.0201	750	\$15.08	\$0.45	3.08%
2015 Oct-Dec Recovery	per kWh	\$(0.45)	-100.00%	\$ -	750	\$0.00	\$0.00		\$ -	750	\$0.00	\$0.00	
<b>Sub-Total A (excluding pass through)</b>		<b>\$(0.05)</b>	<b>-0.30%</b>			\$19.40	<b>\$1.29</b>	<b>7.14%</b>			\$20.00	<b>\$0.61</b>	<b>3.13%</b>
Deferral & Variance Accounts Disposition Rate Rider (2012)	per kWh	\$0.00		\$ -	750	\$0.00	\$0.00		\$ -	750	\$0.00	\$0.00	
Deferral & Variance Accounts Disposition Rate Rider (2015)	per kWh	\$0.00	0.00%	\$ 0.0006	750	\$0.47	\$0.00	0.00%	\$ 0.0006	750	\$0.47	\$0.00	0.00%
Global Adjustment Disposition Rate Rider (2015)	per kWh	\$0.00	0.00%	\$ 0.0014	750	\$1.02	\$0.00	0.00%	\$ 0.0014	750	\$1.02	\$0.00	0.00%
Deferral & Variance Accounts Disposition Rate Rider for Group 2 DVAs (2015)	per kWh	\$0.00	0.00%	\$ 0.0001	750	\$0.05	\$0.00	0.00%	\$ 0.0001	750	\$0.05	\$0.00	0.00%
Low Voltage Service Charge	per kWh	\$0.00		\$ 0.0001	750	\$0.00	\$0.00		\$ 0.0001	750	\$0.00	\$0.00	
Line Losses on Cost of Power	per kWh	\$0.00	0.00%	\$ 0.0925	36.49	\$3.37	\$0.00	0.00%	\$ 0.0925	36.49	\$3.37	\$0.00	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>		<b>\$(0.05)</b>	<b>-0.24%</b>			\$24.32	<b>\$1.29</b>	<b>5.62%</b>			\$24.92	<b>\$0.61</b>	<b>2.49%</b>
RTSR - Network	per kWh	\$0.00	0.00%	\$ 0.0072	786	\$5.66	\$0.00	0.00%	\$ 0.0072	786	\$5.66	\$0.00	0.00%
RTSR - Line and Transformation Connection	per kWh	\$0.00	0.00%	\$ 0.0057	786	\$4.44	\$0.00	0.00%	\$ 0.0057	786	\$4.44	\$0.00	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>		<b>\$(0.05)</b>	<b>-0.17%</b>			\$34.42	<b>\$1.29</b>	<b>3.90%</b>			\$35.03	<b>\$0.61</b>	<b>1.76%</b>
Wholesale Market Service Charge (WMSC)	per kWh	\$0.00	0.00%	\$ 0.0044	786	\$3.46	\$0.00	0.00%	\$ 0.0044	786	\$3.46	\$0.00	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$0.00	0.00%	\$ 0.0013	786	\$1.02	\$0.00	0.00%	\$ 0.0013	786	\$1.02	\$0.00	0.00%
Standard Supply Service Charge	Monthly	\$0.00	0.00%	\$ 0.2500	1	\$0.25	\$0.00	0.00%	\$ 0.2500	1	\$0.25	\$0.00	0.00%
Debt Retirement Charge (DRC)	per kWh	\$0.00	0.00%	\$ 0.0070	750	\$5.25	\$0.00	0.00%	\$ 0.0070	750	\$5.25	\$0.00	0.00%
TOU - Off Peak	per kWh	\$0.00	0.00%	\$ 0.0750	480	\$36.00	\$0.00	0.00%	\$ 0.0750	480	\$36.00	\$0.00	0.00%
TOU - Mid Peak	per kWh	\$0.00	0.00%	\$ 0.1120	135	\$15.12	\$0.00	0.00%	\$ 0.1120	135	\$15.12	\$0.00	0.00%
TOU - On Peak	per kWh	\$0.00	0.00%	\$ 0.1350	135	\$18.23	\$0.00	0.00%	\$ 0.1350	135	\$18.23	\$0.00	0.00%
Energy - RPP - Tier 1	per kWh	\$0.00	0.00%	\$ 0.0830	600	\$49.80	\$0.00	0.00%	\$ 0.0830	600	\$49.80	\$0.00	0.00%
Energy - RPP - Tier 2	per kWh	\$0.00	0.00%	\$ 0.0970	150	\$14.55	\$0.00	0.00%	\$ 0.0970	150	\$14.55	\$0.00	0.00%
<b>Total Bill on TOU (before Taxes)</b>		<b>\$(0.05)</b>	<b>-0.05%</b>			\$113.75	<b>\$1.29</b>	<b>1.15%</b>			\$114.35	<b>\$0.61</b>	<b>0.53%</b>
HST		\$(0.01)	-0.05%	13%		\$14.79	\$0.17	1.15%	13%		\$14.87	\$0.08	0.53%
<b>Total Bill (including HST)</b>		<b>\$(0.06)</b>	<b>-0.05%</b>			\$128.53	<b>\$1.46</b>	<b>1.15%</b>			\$129.22	<b>\$0.69</b>	<b>0.53%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>		<b>\$0.00</b>	<b>0.00%</b>			\$(12.85)	<b>\$(0.14)</b>	<b>1.10%</b>			\$(12.92)	<b>\$(0.07)</b>	<b>0.54%</b>
<b>Total Bill on TOU (including OCEB)</b>		<b>\$(0.06)</b>	<b>-0.05%</b>			\$115.68	<b>\$1.32</b>	<b>1.16%</b>			\$116.30	<b>\$0.62</b>	<b>0.53%</b>

Loss Factor (%)

4.86%

4.86%

## APPENDIX C – Revenue Requirement Workform Models (RRWF)

### Revenue Requirement Model 2015



#### Revenue Requirement

Line No.	Particulars	Application	Close of Discovery	Per Board Decision
1	OM&A Expenses	\$11,960	\$12,054	\$12,054
2	Amortization/Depreciation	\$3,896	\$3,861	\$3,841
3	Property Taxes	\$158	\$158	\$158
5	Income Taxes (Grossed up)	\$189	\$205	\$196
6	Other Expenses	\$27	\$27	\$27
7	Return			
	Deemed Interest Expense	\$2,764	\$2,402	\$2,353
	Return on Deemed Equity	\$3,906	\$3,740	\$3,665
8	Service Revenue Requirement (before Revenues)	\$22,902	\$22,447	\$22,294
9	Revenue Offsets	\$1,336	\$1,318	\$1,319
10	Base Revenue Requirement (excluding Transformer Ownership Allowance credit adjustment)	\$21,565	\$21,129	\$20,975
11	Distribution revenue	\$21,565	\$21,129	\$20,975
12	Other revenue	\$1,336	\$1,318	\$1,319
13	Total revenue	\$22,902	\$22,447	\$22,294
14	Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)	\$ - (1)	\$0 (1)	\$0 (1)

#### Notes

(1) Line 11 - Line 8

## Revenue Requirement Model 2016



### Revenue Requirement

Line No.	Particulars	Application	Close of Discovery	Per Board Decision
1	OM&A Expenses	\$12,423	\$12,533	\$12,533
2	Amortization/Depreciation	\$4,847	\$4,789	\$4,744
3	Property Taxes	\$162	\$162	\$162
5	Income Taxes (Grossed up)	\$399	\$329	\$307
6	Other Expenses	\$30	\$30	\$30
7	Return			
	Deemed Interest Expense	\$2,996	\$2,450	\$2,286
	Return on Deemed Equity	\$4,198	\$4,018	\$3,850
8	<b>Service Revenue Requirement (before Revenues)</b>	<b>\$25,055</b>	<b>\$24,310</b>	<b>\$23,911</b>
9	Revenue Offsets	\$1,507	\$1,487	\$1,472
10	<b>Base Revenue Requirement (excluding Transformer Ownership Allowance credit adjustment)</b>	<b>\$23,548</b>	<b>\$22,823</b>	<b>\$22,439</b>
11	Distribution revenue	\$23,548	\$22,823	\$22,439
12	Other revenue	\$1,507	\$1,487	\$1,472
13	<b>Total revenue</b>	<b>\$25,055</b>	<b>\$24,310</b>	<b>\$23,911</b>
14	<b>Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)</b>	<b>\$ - (1)</b>	<b>\$ - (1)</b>	<b>\$ - (1)</b>

#### Notes

(1) Line 11 - Line 8

## Revenue Requirement Model 2017



### Revenue Requirement

Line No.	Particulars	Application	Close of Discovery	Per Board Decision
1	OM&A Expenses	\$12,690	\$12,824	\$12,824
2	Amortization/Depreciation	\$5,001	\$4,820	\$4,820
3	Property Taxes	\$165	\$165	\$165
5	Income Taxes (Grossed up)	\$482	\$430	\$424
6	Other Expenses	\$31	\$31	\$31
7	Return			
	Deemed Interest Expense	\$3,193	\$2,650	\$2,404
	Return on Deemed Equity	\$4,460	\$4,279	\$3,990
8	<b>Service Revenue Requirement (before Revenues)</b>	<u>\$26,022</u>	<u>\$25,199</u>	<u>\$24,658</u>
9	Revenue Offsets	\$1,631	\$1,610	\$1,579
10	<b>Base Revenue Requirement (excluding Transformer Ownership Allowance credit adjustment)</b>	<u>\$24,391</u>	<u>\$23,589</u>	<u>\$23,079</u>
11	Distribution revenue	\$24,391	\$23,704	\$23,079
12	Other revenue	\$1,631	\$1,610	\$1,579
13	<b>Total revenue</b>	<u>\$26,022</u>	<u>\$25,314</u>	<u>\$24,658</u>
14	<b>Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)</b>	<u>\$ - (1)</u>	<u>\$115 (1)</u>	<u>\$ - (1)</u>

#### Notes

(1) Line 11 - Line 8

## Revenue Requirement Model 2018



### Revenue Requirement

Line No.	Particulars	Application	Close of Discovery	Per Board Decision
1	OM&A Expenses	\$12,909	\$13,033	\$13,033
2	Amortization/Depreciation	\$5,203	\$5,316	\$5,211
3	Property Taxes	\$168	\$168	\$168
5	Income Taxes (Grossed up)	\$622	\$518	\$496
6	Other Expenses	\$32	\$32	\$32
7	Return			
	Deemed Interest Expense	\$3,393	\$3,143	\$2,875
	Return on Deemed Equity	\$4,729	\$4,827	\$4,554
8	<b>Service Revenue Requirement (before Revenues)</b>	<b>\$27,058</b>	<b>\$27,039</b>	<b>\$26,371</b>
9	Revenue Offsets	\$1,452	\$1,429	\$1,395
10	<b>Base Revenue Requirement (excluding Transformer Ownership Allowance credit adjustment)</b>	<b>\$25,605</b>	<b>\$25,609</b>	<b>\$24,975</b>
11	Distribution revenue	\$25,605	\$25,609	\$24,975
12	Other revenue	\$1,452	\$1,429	\$1,395
13	<b>Total revenue</b>	<b>\$27,058</b>	<b>\$27,039</b>	<b>\$26,371</b>
14	<b>Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)</b>	<b>\$ - (1)</b>	<b>\$ - (1)</b>	<b>\$ - (1)</b>

#### Notes

(1) Line 11 - Line 8



## Revenue Requirement Model 2019



### Revenue Requirement

Line No.	Particulars	Application	Close of Discovery	Per Board Decision
1	OM&A Expenses	\$12,978	\$13,102	\$13,102
2	Amortization/Depreciation	\$5,371	\$5,665	\$5,635
3	Property Taxes	\$172	\$172	\$172
5	Income Taxes (Grossed up)	\$645	\$532	\$474
6	Other Expenses	\$33	\$33	\$33
7	Return			
	Deemed Interest Expense	\$3,558	\$3,478	\$3,276
	Return on Deemed Equity	\$4,955	\$5,325	\$5,170
8	<b>Service Revenue Requirement (before Revenues)</b>	<b>\$27,711</b>	<b>\$28,307</b>	<b>\$27,862</b>
9	Revenue Offsets	\$1,518	\$1,493	\$1,456
10	<b>Base Revenue Requirement (excluding Transformer Ownership Allowance credit adjustment)</b>	<b>\$26,194</b>	<b>\$26,814</b>	<b>\$26,406</b>
11	Distribution revenue	\$26,194	\$26,814	\$26,406
12	Other revenue	\$1,518	\$1,493	\$1,456
13	<b>Total revenue</b>	<b>\$27,711</b>	<b>\$28,307</b>	<b>\$27,862</b>
14	<b>Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)</b>	<b>\$ - (1)</b>	<b>\$ - (1)</b>	<b>\$ - (1)</b>

#### Notes

(1) Line 11 - Line 8

## **APPENDIX D - Accounting Order**

Oshawa shall establish the following variance account to record costs for system renewal projects that are approved for recovery in rates but not implemented over the rate term. For added clarity, this Accounting Order is intended to reflect the Board's Decision and Order in EB-2014-0101 dated November 12, 2015. Carrying charges will be determined by applying the Board approved rate to the opening monthly balances recorded in the sub-accounts (exclusive of accumulated interest) from January 1, 2015 to the month prior to the disposition of the balances in rates. Any amounts remaining in this account on expiration of the rate rider shall be brought forward for disposition in Oshawa PUC Networks Inc.'s next IR rate application.

### Account: System Renewal Capital Variance Account

*Accounting entry:*

*Debit/Credit Account 4080, Distribution Services Revenue Credit/Debit System Renewal Capital Variance Account*

Purpose: To record costs for system renewal projects that are approved for recovery in rates but not implemented over the rate term. The amount recorded will be the revenue requirement associated with the capital variance.