G-Staff-1

The OEB's 2020 IRM Rate Generator Model
Reference 1: Exhibit 3, Tab 1, Schedule 1
Reference 2: Exhibit 3, Tab 1, Schedule 6
Reference 3: IRM models for all rate zones

a) As noted in Exhibit 3, Tab 1, Schedule 1 of this application, Alectra Utilities has completed the IRM models for all rate zones and will update the application to include the 2020 IRM Rate Generator Model when published by the OEB. The OEB has now posted the 2020 IRM Rate Generator Model on the "2020 electricity distribution rate applications" website. When submitting applicant's responses to the OEB staff interrogatories, Alectra Utilities should use and include the OEB's 2020 IRM Rate Generator models for all rate zones.

b) The OEB has now approved Hydro One Networks Inc.'s Sub-transmission rates with implementation date July 1, 2019 and the final 2019 Uniform Transmission Rates (UTRs) effective July 1, 2019. The OEB's new 2020 IRM Rate Generator model has been updated to include these new URTs and Hydro One Sub-transmission rates in Tab 12. Alectra Utilities should update the Retail Transmission Service Rates (RTSRs) calculations by completing the OEB's 2020 IRM Rate Generator models for all five rate zones.

Response:

a) Alectra Utilities has completed the Ontario Energy Board's ("OEB") 2020 IRM Rate Generator Model ("RGM") for its five rate zones. The 2020 IRM Models are filed as attachments: G-Staff-1-Attach 1_RGM BRZ; G-Staff-1_Attach 2_RGM ERZ; G-Staff-1_Attach 3_RGM GRZ; G-Staff-1_Attach 4_RGM HRZ; and G-Staff-1_Attach 5_RGM PRZ.

The OEB's latest version of the 2020 IRM RGM was posted on August 8, 2019. Alectra Utilities relied on the August 1, 2019 version of the model that was posted, and has worked extensively with OEB Staff to incorporate required changes to the Models for its five rate zones; these changes are specific to Alectra Utilities' rate zones, and would not have been included in the August 8, 2019 iteration. Alectra Utilities notes that the Inflation Factor in the August 1, 2019 iteration (tab "16. Rev2Cost_GDPIPI") is 1.2%, which was corrected in the later iteration to 1.50%. This discrepancy will impact the tariff schedules and bill impacts in the attached Models.

Alectra Utilities has also completed separate Tariff schedules for each of its rate zones, as the RGM tab "19.Final Tariff Schedule" is locked for editing and does not allow Alectra Utilities the flexibility to correctly name new rates or make corrections for model error. These Tariff schedules are filed as attachments: G-Staff-1-Attach 6-Tariff-BRZ; G-Staff-1-Attach 7-Tariff-ERZ; G-Staff-1-Attach 8-Tariff-GRZ; G-Staff-1-Attach 9-Tariff-HRZ; and G-Staff-1-Attach 10-Tariff-PRZ.

A summary of the changes and updates made to all rate zones is provided below:

1. Alectra Utilities has included 2018 principal and interest opening balance in "Principal Adjustments during 2017" (column AV) and "Interest Adjustments during 2017" (column BA), respectively, by adding opening balances that will eliminate unnecessary variance between 2018 ending balance in continuity schedule and "2.1.7 RRR as of Dec 31, 2018" (column BV).
2. The LRAMVA rate riders were updated in response to interrogatories BRZ-Staff-6, ERZ-Staff-5, HRZ-Staff-8 and PRZ-Staff-7.

A summary of rate zone specific updates is provided below:

1. Enersource RZ:
    a. An update to Account 1589 in the Continuity Schedule in response to interrogatories ERZ-Staff-2 and ERZ-Staff-3.
2. Guelph RZ:
    a. An update to Account 1589 in the Continuity Schedule in response to interrogatories GRZ-Staff-4;
    b. An update to remove one Class A/B transition customer to properly reflect the most current customer information available.
3. Horizon Utilities RZ:
    a. An update to Account 1595 (2018) in Continuity Schedule in response to interrogatory HRZ-Staff-1;
    b. Alectra Utilities request for a GEA Rate Rider in response to interrogatory HRZ-Staff-1

4. PowerStream RZ:
    a. An update to the RTSR calculation in response to interrogatory PRZ-Staff-1;

b) Alectra Utilities has updated the Retail Transmission Service Rates ("RTSRs") calculations by completing the OEB's 2020 IRM RGM for all five rate zones.

G-STAFF-1
ATTACHMENT 1 – RGM BRZ

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Version 2.0

Utility Name	Alectra Utilities Corporation
Service Territory	Brampton Rate Zone
Assigned EB Number	EB-2019-0018
Name of Contact and Title	Indy J. Butany-DeSouza, Vice-President, Regulatory Affairs
Phone Number	905-821-5727
Email Address	indy.butany@alectrautilities.com
We are applying for rates effective	Wednesday, January 01, 2020
Rate-Setting Method	**Price Cap IR**

1. Select the last Cost of Service rebasing year	**2015**
2. Select the year that the balances of Accounts 1588 and 1589 were last approved for disposition ***(e.g. If 2017 balances were approved for disposition in the 2019 rate application, select 2017)***	**2017**
3. Select the year that the balances of the remaining Group 1 DVAs were last approved for disposition	**2017**
4. Select the earliest vintage year in which there is a balance in Account 1595 ***(e.g. If 2016 is the earliest vintage year in which there is a balance in a 1595 sub-account, select 2016)***	**2013**
5. Did you have any Class A customers at any point during the period that the Account 1589 balance accumulated (i.e. from the year the balance was last disposed to the year requested for disposition)?	**Yes**
6. Did you have any customers classified as Class A at any point during the period where the balance in Account 1580, Sub-account CBR Class B accumulated (i.e. from the year the balance was last disposed to the year requested for disposition)?	**Yes**
7. Retail Transmission Service Rates: Alectra Utilities Corporation is:	**Transmission Connected**
8. Have you transitioned to fully fixed rates?	**Yes**

Legend

- Pale green cells represent input cells.
- Pale blue cells represent drop-down lists. The applicant should select the appropriate item from the drop-down list.
- Red cells represents flags to identify either non-matching values or incorrect user selections.
- Pale grey cell represent auto-populated RRR data.
- White cells contain fixed values, automatically generated values or formulae.

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

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

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date February 1, 2019
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2018-0016

RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account where the electricity is supplied exclusively to single-family dwelling units for domestic or household purposes, including seasonal occupancy. This includes, but is not limited to, detached houses, one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex also qualify as residential customers. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	24.3
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.23
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.05
Rate Rider for Disposition of Global Adjustment Account (2019) - effective February 1, 2019 until December 31, 2019 Applicable only for Non-RPP Customers - Approved on an Interim Basis	$/kWh	0.0013
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	$/kWh	-0.0009
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kWh	-0.0014
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	-0.001
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kWh	0.0003
Retail Transmission Rate - Network Service Rate	$/kWh	0.0072
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0063

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
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Implementation Date February 1, 2019
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EB-2018-0016

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date February 1, 2019
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EB-2018-0016

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. Multi-unit residential establishments such as apartment buildings supplied through one service (bulk metered) shall normally be classified as general service. Where service is provided to combined residential and business, or residential and agricultural, whether seasonal or all-year premises, and the wiring does not provide for separate metering, the service shall normally be classed as general service. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	25.65
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.24
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.09
Distribution Volumetric Rate	$/kWh	0.0171
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on an Interim Basis	$/kWh	0.0013
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 - Applicable only for Non-RPP Customers	$/kWh	-0.0009
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kWh	-0.0013
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	-0.001
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kWh	0.0009
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0002

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
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EB-2018-0016

Retail Transmission Rate - Network Service Rate	$/kWh	0.0064
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0053

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date February 1, 2019
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GENERAL SERVICE 50 TO 699 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 700 kW. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	127.98
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	1.21
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.65
Distribution Volumetric Rate	$/kW	2.8986

Alectra Utilities Corporation
Brampton Rate Zone
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Rate Rider for Disposition of Global Adjustment Account (2019) - effective from May 1, 2019 until December 31, 2019 Applicable only for Non-RPP Customers - Approved on an Interim Basis	$/kWh	0.0018
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	$/kWh	-0.0009
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kW	0.0147
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 Applicable only for Non-Wholesale Market Participants - Approved on an Interim Basis	$/kW	-0.4742
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	0.0055
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019 Applicable only for Non-Wholesale Market Participants	$/kW	-0.3626
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.0368
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0273
Retail Transmission Rate - Network Service Rate	$/kW	2.4987
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.1236

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
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GENERAL SERVICE 700 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 700 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	1154.71
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	10.89
Rate Rider for Recovery of 2019 Foregone Revenue - effective February 1, 2019 until December 31, 2019	$	6.63
Distribution Volumetric Rate	$/kW	3.3649

Alectra Utilities Corporation
Brampton Rate Zone
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Rate Rider for Disposition of Global Adjustment Account (2019) - effective May 1, 2019 until December 31, 2019 Applicable only for Non-RPP Customers - Approved on an Interim Basis	$/kWh	0.0018
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	$/kWh	-0.0009
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kW	0.0178
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 Applicable only for Non-Wholesale Market Participants - Approved on an Interim Basis	$/kW	-0.5613
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	0.0067
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019 Applicable only for Non-Wholesale Market Participants	$/kW	-0.4225
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.0323
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0317
Retail Transmission Rate - Network Service Rate	$/kW	2.8022
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.2827

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date February 1, 2019
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LARGE USE SERVICE CLASSIFICATION

This classification applies to an account whose average monthly maximum demand over 12 consecutive months used for billing purposes is equal to or greater than 5,000 kW, or is forecast to be equal to or greater than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	4804.99
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	45.33
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	29.43
Distribution Volumetric Rate	$/kW	2.5476

Alectra Utilities Corporation
Brampton Rate Zone
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Effective Date January 1, 2019
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Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 - Applicable only for Non-RPP Customers	$/kWh	-0.0009
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kW	-0.7075
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	-0.552
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.0587
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.024
Retail Transmission Rate - Network Service Rate	$/kW	3.1716
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.6383

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
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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. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	1.11
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.01
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.01
Distribution Volumetric Rate	$/kWh	0.0202
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on an Interim Basis	$/kWh	0.0013
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 - Applicable only for Non-RPP Customers	$/kWh	-0.0009
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kWh	-0.0013
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	-0.001
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0002
Retail Transmission Rate - Network Service Rate	$/kWh	0.0064
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0053

MONTHLY RATES AND CHARGES - Regulatory Component

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date February 1, 2019
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EB-2018-0016

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
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STREET LIGHTING SERVICE CLASSIFICATION

All service supplied to roadway lighting equipment owned by or operated by the City of Brampton, Regional Municipality of Peel, or the Ministry of Transportation, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	$	2.35
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.02
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.01
Distribution Volumetric Rate	$/kW	11.7823
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on an Interim Basis	$/kWh	0.0013
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 - Applicable only for Non-RPP Customers	$/kWh	-0.0009
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kW	-0.4574
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	-0.3219
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.1112
Retail Transmission Rate - Network Service Rate	$/kW	2.0806
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.768

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Brampton Rate Zone
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MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide back-up 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component - Approved on an Interim Basis

Distribution Volumetric Rate	$/kW	1.7134

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EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Ontario Energy Board, that is provided electricity by means of this distributor's facilities. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	4247.63
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	40.07
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	4.58
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on an Interim Basis	$/kWh	0.0013
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 - Applicable only for Non-RPP Customers	$/kWh	-0.0009
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kWh	-0.0013
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	-0.0009
Retail Transmission Rate - Network Service Rate	$/kW	2.8022
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.2827

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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DISTRIBUTED GENERATION [DGEN] SERVICE CLASSIFICATION

This classification applies to a distributed generator that is not a microFIT or an Energy from Waste Generator and connected to the distributor's distribution system. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	106.17
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.11
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	1
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on an Interim Basis	$/kWh	0.0013
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 -Applicable only for Non-RPP Customers	$/kWh	-0.0009
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kWh	-0.0013
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	-0.0009
Retail Transmission Rate - Network Service Rate	$/kWh	0.0064
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0053

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
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ENERGY FROM WASTE SERVICE CLASSIFICATION

This classification applies to an electricity generation facility that is not covered by a microFIT or Distributed Generation classification which produces energy from combustion of consumer waste with the capability to generate over 4,000 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	64.42

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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	5.4

ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month		
General Service less than 50 kW Classification	$/kWh	-0.0032
General Service 50 to 699 kW Classification	$/kW	-0.684
General Service 700 to 4,999 kW Classification	$/kW	-0.8515
Primary Metering Allowance for transformer losses - applied to measured demand and energy	%	-1

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SPECIFIC SERVICE CHARGES

APPLICATION

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

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Customer Administration

Arrears certificate	$	15
Pulling post dated cheques	$	15
Duplicate invoices for previous billing	$	15
Request for other billing information	$	15
Easement letter	$	15
Income tax letter	$	15
Account history	$	15
Credit reference/credit check (plus credit agency costs)	$	15
Returned cheque (plus bank charges)	$	15
Legal letter charge	$	15
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	$	30
Special meter reads	$	30
Special billing service (aggregation)	$	125
Special billing service (sub-metering charge per meter)	$	25

Non-Payment of Account

Late payment - per month	%	1.5
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	$	30
Disconnect/reconnect at meter - during regular hours	$	65
Disconnect/reconnect at meter - after regular hours	$	185
Disconnect/reconnect at pole - during regular hours	$	185
Disconnect/reconnect at pole - after regular hours	$	415
Disconnect/reconnection for >300 volts - during regular hours	$	60

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Disconnect/reconnection for >300 volts - after regular hours	$	155

Other

Owner requested disconnection/reconnection - during regular hours	$	120
Owner requested disconnection/reconnection - after regular hours	$	155
Specific Charge for Access to the Power Poles - $/pole/year (with the exception of wireless attachments) - in effect from January 1, 2019	$	43.63

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RETAIL SERVICE CHARGES (if applicable)

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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
Monthly fixed charge, per retailer	$	20
Monthly variable charge, per customer, per retailer	$/cust.	0.5
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.3
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	-0.3
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.25
Processing fee, per request, applied to the requesting party	$	0.5
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

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	1.0341
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0239
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

		2013									
Account Descriptions	**Account Number**	**Opening Principal Amounts as of Jan 1, 2013**	**Transactions Debit / (Credit) during 2013**	**OEB-Approved Disposition during 2013**	**Principal Adjustments[1] during 2013**	**Closing Principal Balance as of Dec 31, 2013**	**Opening Interest Amounts as of Jan 1, 2013**	**Interest Jan 1 to Dec 31, 2013**	**OEB-Approved Disposition during 2013**	**Interest Adjustments[1] during 2013**	**Closing Interest Amounts as of Dec 31, 2013**
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge[5]	1580					0					0
Variance WMS – Sub-account CBR Class A[5]	1580					0					0
Variance WMS – Sub-account CBR Class B[5]	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power[4]	1588					0					0
RSVA - Global Adjustment[4]	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2014)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3]											
Not to be disposed of until a year after rate rider has expired and that balance has been audited	1595					0					0
RSVA - Global Adjustment	**1589**	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance		0	0	0	0	0	0	0	0	0	0
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**										
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

2014										2015									
Opening Principal Amounts as of Jan 1, 2014	Transactions Debit / (Credit) during 2014	OEB-Approved Disposition during 2014	Principal Adjustments[1] during 2014	Closing Principal Balance as of Dec 31, 2014	Opening Interest Amounts as of Jan 1, 2014	Interest Jan 1 to Dec 31, 2014	OEB-Approved Disposition during 2014	Interest Adjustments[1] during 2014	Closing Interest Amounts as of Dec 31, 2014	Opening Principal Amounts as of Jan 1, 2015	Transactions Debit / (Credit) during 2015	OEB-Approved Disposition during 2015	Principal Adjustments[1] during 2015	Closing Principal Balance as of Dec 31, 2015	Opening Interest Amounts as of Jan 1, 2015	Interest Jan 1 to Dec 31, 2015	OEB-Approved Disposition during 2015	Interest Adjustments[1] during 2015	Closing Interest Amounts as of Dec 31, 2015
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
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0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0	4,320,176	8,196,024		(3,875,847)	0	(361,770)	116,472		(478,241)	(3,875,847)	3,795,881			(79,966)	(478,241)	364,567			(113,674)
0				0	0				0	0	(621,041)	(223,958)		(397,083)	0	11,016	(2,784)		13,800
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	4,320,176	8,196,024	0	(3,875,847)	0	(361,770)	116,472	0	(478,241)	(3,875,847)	3,174,840	(223,958)	0	(477,049)	(478,241)	375,584	(2,784)	0	(99,874)
0	4,320,176	8,196,024	0	(3,875,847)	0	(361,770)	116,472	0	(478,241)	(3,875,847)	3,174,840	(223,958)	0	(477,049)	(478,241)	375,584	(2,784)	0	(99,874)
	142,021			142,021		(175)			(175)	142,021	376,487		360,541	879,049	(175)	2,708		11,070	13,603
0	4,462,197	8,196,024	0	(3,733,827)	0	(361,944)	116,472	0	(478,416)	(3,733,827)	3,551,327	(223,958)	360,541	402,000	(478,416)	378,291	(2,784)	11,070	(86,271)

2016										2017									
Opening Principal Amounts as of Jan 1, 2016	Transactions Debit / (Credit) during 2016	OEB-Approved Disposition during 2016	Principal Adjustments[1] during 2016	Closing Principal Balance as of Dec 31, 2016	Opening Interest Amounts as of Jan 1, 2016	Interest Jan 1 to Dec 31, 2016	OEB-Approved Disposition during 2016	Interest Adjustments[1] during 2016	Closing Interest Amounts as of Dec 31, 2016	Opening Principal Amounts as of Jan 1, 2017	Transactions Debit / (Credit) during 2017	OEB-Approved Disposition during 2017	Principal Adjustments[1] during 2017	Closing Principal Balance as of Dec 31, 2017	Opening Interest Amounts as of Jan 1, 2017	Interest Jan 1 to Dec 31, 2017	OEB-Approved Disposition during 2017	Interest Adjustments[1] during 2017	Closing Interest Amounts as of Dec 31, 2017
0				0	0				0	0			447,496	447,496	0			5,369	5,369
0				0	0				0	0			(125,838)	(125,838)	0			(1,208)	(1,208)
0				0	0				0	0			(7,652,872)	(7,652,872)	0			(80,898)	(80,898)
0				0	0				0	0			0	0	0			0	0
0				0	0				0	0			(121,943)	(121,943)	0			(2,885)	(2,885)
0				0	0				0	0			(459,597)	(459,597)	0			(8,653)	(8,653)
0				0	0				0	0			483,895	483,895	0			7,199	7,199
0				0	0				0	0			(844,414)	(844,414)	0			(13,969)	(13,969)
0				0	0				0	0			133,033	133,033	0			10,270	10,270
0	(924)			(924)	0	(5)			(5)	(924)				(924)	(5)	(10)			(15)
(79,966)	343,885			263,919	(113,674)	7,150			(106,523)	263,919	496			264,414	(106,523)	7,629			(98,894)
(397,083)	(27,821)			(424,904)	13,800	(7,859)			5,941	(424,904)	(1)			(424,905)	5,941	(6,623)			(683)
0				0	0				0	0				0	0				0
0				0	0				0	0	2,516,663	3,144,360		(627,697)	0	(24,683)	(8,772)		(15,910)
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0	0	0	0	0	0	0	0	0	0	0	0	0	133,033	133,033	0	0	0	10,270	10,270
(477,049)	315,141	0	0	(161,909)	(99,874)	(714)	0	0	(100,587)	(161,909)	2,517,157	3,144,360	(8,273,273)	(9,062,384)	(100,587)	(23,688)	(8,772)	(95,045)	(210,548)
(477,049)	315,141	0	0	(161,909)	(99,874)	(714)	0	0	(100,587)	(161,909)	2,517,157	3,144,360	(8,140,240)	(8,929,351)	(100,587)	(23,688)	(8,772)	(84,775)	(200,278)
879,049	579,460			1,458,509	13,603	16,555			30,157	1,458,509	962,481	879,049		1,541,941	30,157	9,969	23,272		16,854
402,000	894,601	0	0	1,296,600	(86,271)	15,841	0	0	(70,430)	1,296,600	3,479,638	4,023,409	(8,140,240)	(7,387,410)	(70,430)	(13,719)	14,500	(84,775)	(183,424)

2018										2019				Projected Interest on Dec-31-18 Balances					2.1.7 RRR	
Opening Principal Amounts as of Jan 1, 2018	Transactions Debit / (Credit) during 2018	OEB-Approved Disposition during 2018	Principal Adjustments[1] during 2018	Closing Principal Balance as of Dec 31, 2018	Opening Interest Amounts as of Jan 1, 2018	Interest Jan 1 to Dec 31, 2018	OEB-Approved Disposition during 2018	Interest Adjustments[1] during 2018	Closing Interest Amounts as of Dec 31, 2018	Principal Disposition during 2019 - instructed by OEB	Interest Disposition during 2019 - instructed by OEB	Closing Principal Balances as of Dec 31, 2018 Adjusted for Disposition during 2019	Closing Interest Balances as of Dec 31, 2018 Adjusted for Disposition during 2019	Projected Interest from Jan 1, 2019 to Dec 31, 2019 on Dec 31, 2018 balance adjusted for disposition during 2019 [2]	Projected Interest from Jan 1, 2020 to Apr 30, 2020 on Dec 31, 2018 balance adjusted for disposition during 2019 [2]	Total Interest	Total Claim	Account Disposition: Yes/No?	As of Dec 31, 2018	Variance RRR vs. 2018 Balance *(Principal + Interest)*
447,496	201,094	247,217		401,374	5,369	6,605	5,527		6,446	200,280	3,980	201,094	2,466	4,520		6,986	208,080		407,821	0
(125,838)	(128,157)	(59,949)		(194,046)	(1,208)	(3,083)	(1,277)		(3,015)	(65,889)	(1,293)	(128,157)	(1,722)	(2,880)		(4,602)	(132,759)		(197,061)	0
(7,652,872)	(462,688)	(3,726,242)		(4,389,318)	(80,898)	(93,371)	(81,704)		(92,565)	(3,926,630)	(80,344)	(462,688)	(12,221)	(10,399)		(22,620)	(485,308)		(4,481,882)	0
0				0	0				0			0	0	0		0	0		0	0
(121,943)	(101,408)			(223,351)	(2,885)	(3,055)			(5,940)	(121,943)	(5,405)	(101,408)	(535)	(2,279)		(2,814)	(104,222)		(229,291)	0
(459,597)	374,728	(479,528)		394,658	(8,653)	(1,137)	(11,826)		2,036	19,930	3,585	374,728	(1,549)	8,422		6,873	381,601		396,694	0
483,895	1,188,553	555,267		1,117,181	7,199	16,029	11,840		11,387	(71,372)	(6,116)	1,188,553	17,503	26,713		44,216	1,232,770		1,128,568	0
(844,414)	(395,579)	(217,342)	(305,523)	(1,328,175)	(13,969)	(28,837)	(14,511)		(28,295)	(627,073)	(12,417)	(701,102)	(15,878)	(15,757)		(31,635)	(732,737)	Yes	(1,230,544)	125,925
133,033	(2,051,926)	(1,611,142)	(565,874)	(873,625)	10,270	29,077	(17,112)		56,459	1,744,175	63,428	(2,617,800)	(6,969)	(58,835)		(65,804)	(2,683,604)	Yes	(844,648)	(27,482)
(924)	0	(924)		0	(15)	0	(21)		6			0	6	0		6	0	No	6	0
264,414	0	263,919		496	(98,894)	(0)	(101,951)		3,057			496	3,057	11		3,068	0	No	3,552	0
(424,905)	0	(424,904)		(1)	(683)	(0)	(1,421)		738			(1)	738	(0)		738	0	No	737	0
0	0			0	0	0			0			0	0	0		0	0	No	0	0
(627,697)	726,060			98,363	(15,910)	1,577			(14,334)			98,363	(14,334)	2,211		(12,123)	86,240	Yes	84,029	0
0	3,873,383	5,453,628		(1,580,245)	0	(26,796)	212,455		(239,251)			(1,580,245)	(239,251)	(35,516)		(274,767)	0	No	(1,819,496)	0
0				0	0				0	2,112,525	6,829	(2,112,525)	(6,829)	(47,479)		(54,308)	0	No		0
133,033	(2,051,926)	(1,611,142)	(565,874)	(873,625)	10,270	29,077	(17,112)	0	56,459	1,744,175	63,428	(2,617,800)	(6,969)	(58,835)	0	(65,804)	(2,683,604)		(844,648)	(27,482)
(9,062,384)	5,275,985	1,611,142	(305,523)	(5,703,064)	(210,548)	(132,068)	17,112	0	(359,728)	(2,480,171)	(91,181)	(3,222,893)	(268,547)	(72,435)	0	(340,982)	453,664		(5,707,577)	355,216
(8,929,351)	3,224,059	0	(871,397)	(6,576,688)	(200,278)	(102,992)	0	0	(303,270)	(2,848,521)	(27,753)	(5,840,693)	(275,517)	(131,270)	0	(406,786)	(2,229,940)		(6,552,224)	327,734
1,541,941	1,475,597			3,017,538	16,854	46,349			63,203	735,996	27,753	2,281,542	35,450	51,278		86,727	2,368,270		3,080,741	(0)
(7,387,410)	4,699,657	0	(871,397)	(3,559,150)	(183,424)	(56,643)	0	0	(240,067)	(2,112,525)	0	(3,559,151)	(240,067)	(79,992)	0	(320,059)	138,329		(3,471,483)	327,734

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Data on this worksheet has been populated using your most recent RRR filing.

If you have identified any issues, please contact the OEB.

Have you confirmed the accuracy of the data below?

If a distributor uses the actual GA price to bill non-RPP Class B customers for an entire rate class, it must exclude these customers from the allocation of the GA balance and the calculation of the resulting rate riders. These rate classes are not to be charged/refunded the general GA rate rider as they did not contribute to the GA balance.

Please contact the OEB to make adjustments to the IRM rate generator for this situation.

Rate Class	Unit	Total Metered kWh	Total Metered kW	Metered kWh for Non-RPP Customers (excluding WMP)	Metered kW for Non-RPP Customers (excluding WMP)	Metered kWh for Wholesale Market Participants (WMP)	Metered kW for Wholesale Market Participants (WMP)	Total Metered kWh less WMP consumption *(if applicable)*	Total Metered kW less WMP consumption *(if applicable)*	1595 Recovery Proportion (2017) [1]	1568 LRAM Variance Account Class Allocation ($ amounts)	Number of Customers for Residential and GS<50 classes [3]
RESIDENTIAL SERVICE CLASSIFICATION	kWh	1,385,125,813	0	56,192,652	0	0	0	1,385,125,813	0	31%	490,292	153,261
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	344,785,907	0	59,144,132	0	0	0	344,785,907	0	9%	414,915	9,462
GENERAL SERVICE 50 TO 699 KW SERVICE CLASSIFICATION	kW	1,131,688,196	3,179,603	967,286,875	2,708,651	3,538,226	20,319	1,128,149,970	3,159,284	28%	179,683	
GENERAL SERVICE 700 TO 4,999 KW SERVICE CLASSIFICATION	kW	875,091,031	2,020,564	809,373,491	1,911,148	64,062,176	105,486	811,028,855	1,915,078	22%	92,696	
LARGE USE SERVICE CLASSIFICATION	kW	350,379,705	657,857	350,379,705	657,857	0	0	350,379,705	657,857	9%	38,604	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	5,914,655	0	5,865,864	0	0	0	5,914,655	0	0%		
STREET LIGHTING SERVICE CLASSIFICATION	kW	34,968,321	98,842	34,968,321	98,842	0	0	34,968,321	98,842	1%		
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0			
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kWh	3,402,773	0	3,402,773	0	0	0	3,402,773	0	0%		
DISTRIBUTED GENERATION [DGEN] SERVICE CLASSIFICATION	kWh	277,418	0	277,418	0	0	0	277,418	0	0%		
ENERGY FROM WASTE SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0			
	Total	4,131,633,819	5,956,866	2,286,891,231	5,376,498	67,600,402	125,805	4,064,033,417	5,831,061	100%	2,368,270	162,723

Threshold Test

Total Claim (including Account 1568)	$138,329	
Total Claim for Threshold Test (All Group 1 Accounts)	($2,229,940)	
Threshold Test (Total claim per kWh) [2]	($0.0005)	**Claim does not meet the threshold test.**

As per Section 3.2.5 of the 2019 Filing Requirements for Electricity Distribution Rate Applications, an applicant may elect to dispose of the Group 1 account balances below the threshold. If doing so, please select YES from the adjacent drop-down cell and also indicate so in the Manager's Summary. If not, please select NO.

NO

[1] Residual Account balance to be allocated to rate classes in proportion to the recovery share as established when rate riders were implemented.

[2] The Threshold Test does not include the amount in 1568.

[3] The proportion of customers for the Residential and GS<50 Classes will be used to allocate Account 1551.

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

No input required. This workshseet allocates the deferral/variance account balances (Group 1 and 1568) to the appropriate classes as per EDDVAR dated July 31, 2009

Allocation of Group 1 Accounts (including Account 1568)

Rate Class	% of Total kWh	% of Customer Numbers **	% of Total kWh adjusted for WMP	1550	1551	1580 (allocated based on Total less WMP)	1584	1586	1588 (allocated based on Total less WMP)	1595_(2017)	1568
RESIDENTIAL SERVICE CLASSIFICATION	33.5%	94.2%	34.1%								490,292
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	8.3%	5.8%	8.5%								414,915
GENERAL SERVICE 50 TO 699 KW SERVICE CLASSIFICATION	27.4%	0.0%	27.8%								179,683
GENERAL SERVICE 700 TO 4,999 KW SERVICE CLASSIFICATION	21.2%	0.0%	20.0%								92,696
LARGE USE SERVICE CLASSIFICATION	8.5%	0.0%	8.6%								38,604
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	0.1%	0.0%	0.1%								0
STREET LIGHTING SERVICE CLASSIFICATION	0.8%	0.0%	0.9%								0
STANDBY POWER SERVICE CLASSIFICATION	0.0%	0.0%	0.0%								0
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	0.1%	0.0%	0.1%								0
DISTRIBUTED GENERATION [DGEN] SERVICE CLASSIFICATION	0.0%	0.0%	0.0%								0
ENERGY FROM WASTE SERVICE CLASSIFICATION	0.0%	0.0%	0.0%								0
Total	100.0%	100.0%	100.0%	0	0	0	0	0	0	0	1,216,190

*** Used to allocate Account 1551 as this account records the variances arising from the Smart Metering Entity Charges to Residential and GS<50 customers.*

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Input required at cells C13 and C14. This workshseet calculates rate riders related to the Deferral/Variance Account Disposition (if applicable) and rate riders for Account 1568. Rate Riders will not be generated for the microFIT class.

Default Rate Rider Recovery Period (in months)	**12**	
DVA Proposed Rate Rider Recovery Period (in months)	**12**	Rate Rider Recovery to be used below
LRAM Proposed Rate Rider Recovery Period (in months)	**12**	Rate Rider Recovery to be used below

Rate Class	Unit	Total Metered kWh	Metered kW or kVA	Total Metered kWh less WMP consumption	Total Metered kW less WMP consumption	Allocation of Group 1 Account Balances to All Classes [2]	Allocation of Group 1 Account Balances to Non-WMP Classes Only (If Applicable) [2]	Deferral/Variance Account Rate Rider [2]	Deferral/Variance Account Rate Rider for Non-WMP (if applicable) [2]	Account 1568 Rate Rider	Revenue Reconcilation [1]
RESIDENTIAL SERVICE CLASSIFICATION	kWh	1,385,125,813	0	1,385,125,813	0	0		0.0000	0.0000	0.0004	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	344,785,907	0	344,785,907	0	0		0.0000	0.0000	0.0012	
GENERAL SERVICE 50 TO 699 KW SERVICE CLASSIFICATION	kW	1,131,688,196	3,179,603	1,128,149,970	3,159,284	0		0.0000	0.0000	0.0565	
GENERAL SERVICE 700 TO 4,999 KW SERVICE CLASSIFICATION	kW	875,091,031	2,020,564	811,028,855	1,915,078	0		0.0000	0.0000	0.0459	
LARGE USE SERVICE CLASSIFICATION	kW	350,379,705	657,857	350,379,705	657,857	0		0.0000	0.0000	0.0587	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	5,914,655	0	5,914,655	0	0		0.0000	0.0000	0.0000	
STREET LIGHTING SERVICE CLASSIFICATION	kW	34,968,321	98,842	34,968,321	98,842	0		0.0000	0.0000	0.0000	
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0		0.0000	0.0000	0.0000	
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kWh	3,402,773	0	3,402,773	0	0		0.0000	0.0000	0.0000	
DISTRIBUTED GENERATION [DGEN] SERVICE CLASSIFICATION	kWh	277,418	0	277,418	0	0		0.0000	0.0000	0.0000	
ENERGY FROM WASTE SERVICE CLASSIFICATION	kW	0	0	0	0	0		0.0000	0.0000	0.0000	
											0.00

[1] When calculating the revenue reconciliation for distributors with Class A customers, the balances of sub-account 1580-CBR Class B will not be taken into consideration if there are Class A customers since the rate riders, if any, are calculated separately.

[2] Only for rate classes with WMP customers are the Deferral/Variance Account Rate Riders for Non-WMP (column H and J) calculated separately. For all rate classes without WMP customers, balances in account 1580 and 1588 are included in column G and disposed through a combined Deferral/Variance Account and Rate Rider.

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Summary - Sharing of Tax Change Forecast Amounts

	2015	2020
OEB-Approved Rate Base	$ -	$ -
OEB-Approved Regulatory Taxable Income	$ -	$ -
Federal General Rate		15.0%
Federal Small Business Rate		9.0%
Federal Small Business Rate (calculated effective rate)[1,2]		9.0%
Ontario General Rate		11.5%
Ontario Small Business Rate		3.5%
Ontario Small Business Rate (calculated effective rate)[1,2]		3.5%
Federal Small Business Limit		$ 500,000
Ontario Small Business Limit		$ 500,000
Federal Taxes Payable		$ -
Provincial Taxes Payable		$ -
Federal Effective Tax Rate		0.0%
Provincial Effective Tax Rate		0.0%
Combined Effective Tax Rate	0.0%	0.0%
Total Income Taxes Payable	$ -	$ -
OEB-Approved Total Tax Credits (enter as positive number)	$ -	$ -
Income Tax Provision	$ -	$ -
Grossed-up Income Taxes	$ -	$ -
Incremental Grossed-up Tax Amount		$ -
Sharing of Tax Amount (50%)		**$ -**

Notes

1. Regarding the small business deduction, if applicable,
   a. If taxable capital exceeds $15 million, the small business rate will not be applicable.
   b. If taxable capital is below $10 million, the small business rate would be applicable.
   c. If taxable capital is between $10 million and $15 million, the appropriate small business rate will be calculated.

2. The OEB's proxy for taxable capital is rate base.

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Calculation of Rebased Revenue Requirement and Allocation of Tax Sharing Amount. Enter data from the last OEB-Approved Cost of Service application in columns C through H.

As per Chapter 3 Filing Requirements, shared tax rate riders are based on a 1 year disposition.

Rate Class		Re-based Billed Customers or Connections	Re-based Billed kWh	Re-based Billed kW	Re-based Service Charge	Re-based Distribution Volumetric Rate kWh	Re-based Distribution Volumetric Rate kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Revenue Requirement from Rates	Service Charge % Revenue	Distribution Volumetric Rate % Revenue kWh	Distribution Volumetric Rate % Revenue kW	Total % Revenue
RESIDENTIAL SERVICE CLASSIFICATION	kWh	140,979	1,308,264,983	0	11.07	0.0155	0.0000	18,727,675	20,278,107	0	39,005,782	48.0%	52.0%	0.0%	56.1%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	8,989	354,668,870	0	24.39	0.0161	0.0000	2,631,035	5,710,169	0	8,341,204	31.5%	68.5%	0.0%	12.0%
GENERAL SERVICE 50 TO 699 KW SERVICE CLASSIFICATION	kW	1,491	1,064,497,599	2,979,826	121.18	0.0000	2.7446	2,167,752	0	8,178,430	10,346,182	21.0%	0.0%	79.0%	14.9%
GENERAL SERVICE 700 TO 4,999 KW SERVICE CLASSIFICATION	kW	115	806,154,180	1,969,146	1093.35	0.0000	3.1861	1,503,790	0	6,273,897	7,777,688	19.3%	0.0%	80.7%	11.2%
LARGE USE SERVICE CLASSIFICATION	kW	6	382,619,513	719,987	4549.67	0.0000	2.4122	327,576	0	1,736,753	2,064,329	15.9%	0.0%	84.1%	3.0%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,562	5,931,733	0	1.05	0.0192	0.0000	19,678	113,889	0	133,567	14.7%	85.3%	0.0%	0.2%
STREET LIGHTING SERVICE CLASSIFICATION	kW	22,335	33,306,955	100,672	2.22	0.0000	11.1563	594,993	0	1,123,126	1,718,119	34.6%	0.0%	65.4%	2.5%
STANDBY POWER SERVICE CLASSIFICATION	kW	1	0	54,580	0.00	0.0000	1.6224	0	0	88,551	88,551	0.0%	0.0%	100.0%	0.1%
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kWh	1	17,012,414	40,073	4021.92	0.0000	0.0000	48,263	0	0	48,263	100.0%	0.0%	0.0%	0.1%
DISTRIBUTED GENERATION [DGEN] SERVICE CLASSIFICATION	kWh	68	178,816	0	55.59	0.0000	0.0000	45,083	0	0	45,083	100.0%	0.0%	0.0%	0.1%
ENERGY FROM WASTE SERVICE CLASSIFICATION	kW	1	0	0	61.00	0.0000	0.0000	732	0	0	732	100.0%	0.0%	0.0%	0.0%
Total		175,547	3,972,635,063	5,864,284				26,066,577	26,102,165	17,400,756	69,569,499				100.0%

Rate Class		Total kWh (most recent RRR filing)	Total kW (most recent RRR filing)	Allocation of Tax Savings by Rate Class	Distribution Rate Rider	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	1,385,125,813		0	0.00	$/customer
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	344,785,907		0	0.0000	kWh
GENERAL SERVICE 50 TO 699 KW SERVICE CLASSIFICATION	kW	1,131,688,196	3,179,603	0	0.0000	kW
GENERAL SERVICE 700 TO 4,999 KW SERVICE CLASSIFICATION	kW	875,091,031	2,020,564	0	0.0000	kW
LARGE USE SERVICE CLASSIFICATION	kW	350,379,705	657,857	0	0.0000	kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	5,914,655		0	0.0000	kWh
STREET LIGHTING SERVICE CLASSIFICATION	kW	34,968,321	98,842	0	0.0000	kW
STANDBY POWER SERVICE CLASSIFICATION	kW			0	0.0000	kW
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	kWh	3,402,773		0	0.0000	kWh
DISTRIBUTED GENERATION [DGEN] SERVICE CLASSIFICATION	kWh	277,418		0	0.0000	kWh
ENERGY FROM WASTE SERVICE CLASSIFICATION	kW			0	0.0000	kW
Total		4,131,633,819	5,956,866	$0		

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Columns E and F have been populated with data from the most recent RRR filing. Rate classes that have more than one Network or Connection charge will notice that the cells are highlighted in green and unlocked.
If the data needs to be modified, please make the necessary adjustments and note the changes in your manager's summary. As well, the Loss Factor has been imported from Tab 2.

Rate Class	Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor	Loss Adjusted Billed kWh
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0072	1,385,125,813	0	1.0341	1,432,358,603
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0063	1,385,125,813	0	1.0341	1,432,358,603
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0064	344,785,907	0	1.0341	356,543,106
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0053	344,785,907	0	1.0341	356,543,106
General Service 50 To 699 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.4987	1,131,688,196	3,179,603		
General Service 50 To 699 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.1236	1,131,688,196	3,179,603		
General Service 700 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.8022	875,091,031	2,020,564		
General Service 700 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.2827	875,091,031	2,020,564		
Large Use Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	3.1716	350,379,705	657,857		
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.6383	350,379,705	657,857		
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0064	5,914,655	0	1.0341	6,116,345
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0053	5,914,655	0	1.0341	6,116,345
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.0806	34,968,321	98,842		
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.7680	34,968,321	98,842		
Embedded Distributor Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.8022	3,402,773	0		
Embedded Distributor Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.2827	3,402,773	0		
Distributed Generation [dgen] Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0064	277,418	0	1.0341	286,878
Distributed Generation [dgen] Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0053	277,418	0	1.0341	286,878

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Uniform Transmission Rates	Unit	2018	2019 (Jan 1 - June 30)	2019 (July 1 - Dec 31)	2020
Rate Description		**Rate**	**Rate**	**Rate**	**Rate**
Network Service Rate	kW	$ 3.61	$ 3.71	$ 3.83	$ 3.83
Line Connection Service Rate	kW	$ 0.95	$ 0.94	$ 0.96	$ 0.96
Transformation Connection Service Rate	kW	$ 2.34	$ 2.25	$ 2.30	$ 2.30

Hydro One Sub-Transmission Rates	Unit	2018	2019 (Jan 1 - June 30)	2019 (July 1 - Dec 31)	2020
Rate Description		**Rate**	**Rate**	**Rate**	**Rate**
Network Service Rate	kW	$ 3.1942	$ 3.1942	$ 3.2915	$ 3.2915
Line Connection Service Rate	kW	$ 0.7710	$ 0.7710	$ 0.7877	$ 0.7877
Transformation Connection Service Rate	kW	$ 1.7493	$ 1.7493	$ 1.9755	$ 1.9755
Both Line and Transformation Connection Service Rate	kW	$ 2.5203	$ 2.5203	$ 2.7632	$ 2.7632

If needed, add extra host here. (I)	Unit	2018	2019		2020
Rate Description		**Rate**	**Rate**		**Rate**
Network Service Rate	kW				
Line Connection Service Rate	kW				
Transformation Connection Service Rate	kW				
Both Line and Transformation Connection Service Rate	kW	$ -	$ -		$ -

If needed, add extra host here. (II)	Unit	2018	2019		2020
Rate Description		**Rate**	**Rate**		**Rate**
Network Service Rate	kW				
Line Connection Service Rate	kW				
Transformation Connection Service Rate	kW				
Both Line and Transformation Connection Service Rate	kW	$ -	$ -		$ -

		Historical 2018	Current 2019		Forecast 2020
Low Voltage Switchgear Credit (if applicable, enter as a negative value)	$				

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Tab 10. For Hydro One Sub-transmission Rates, if you are charged a combined Line and Transformer connection rate, please ensure that both the Line Connection and Transformation Connection columns are completed.
If any of the Hydro One Sub-transmission rates (column E, I and M) are highlighted in red, please double check the billing data entered in "Units Billed" and "Amount" columns. The highlighted rates do not match the Hydro One Sub-transmission rates approved for that time period. If data has been entered correctly, please provide explanation for the discrepancy in rates.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	593,386	$3.61	$ 2,142,123	627,196	$0.95	$ 595,836	540,150	$2.34	$ 1,263,951	$ 1,859,787
February	584,216	$3.61	$ 2,109,020	599,595	$0.95	$ 569,615	517,792	$2.34	$ 1,211,633	$ 1,781,249
March	558,667	$3.61	$ 2,016,788	589,663	$0.95	$ 560,180	513,359	$2.34	$ 1,201,260	$ 1,761,440
April	557,917	$3.61	$ 2,014,080	576,974	$0.95	$ 548,125	500,213	$2.34	$ 1,170,498	$ 1,718,624
May	741,075	$3.61	$ 2,675,281	764,832	$0.95	$ 726,590	663,465	$2.34	$ 1,552,508	$ 2,279,099
June	776,124	$3.61	$ 2,801,808	816,629	$0.95	$ 775,798	696,391	$2.34	$ 1,629,555	$ 2,405,352
July	833,475	$3.61	$ 3,008,845	843,572	$0.95	$ 801,393	720,219	$2.34	$ 1,685,312	$ 2,486,706
August	757,690	$3.61	$ 2,735,261	792,303	$0.95	$ 752,688	681,014	$2.34	$ 1,593,573	$ 2,346,261
September	815,767	$3.61	$ 2,944,919	839,989	$0.95	$ 797,990	712,763	$2.34	$ 1,667,865	$ 2,465,855
October	596,018	$3.61	$ 2,151,625	621,289	$0.95	$ 590,225	536,166	$2.34	$ 1,254,628	$ 1,844,853
November	567,990	$3.61	$ 2,050,444	594,337	$0.95	$ 564,620	508,188	$2.34	$ 1,189,160	$ 1,753,780
December	555,985	$3.61	$ 2,007,106	598,999	$0.95	$ 569,049	518,212	$2.34	$ 1,212,616	$ 1,781,665
Total	7,938,310	$ 3.61	$ 28,657,299	8,265,378	$ 0.95	$ 7,852,109	7,107,932	$ 2.34	$ 16,632,561	$ 24,484,670

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	5,274	$3.1942	$ 16,848	5,274	$0.7710	$ 4,067	5,274	$1.7493	$ 9,227	$ 13,293
February	5,122	$3.1942	$ 16,362	5,122	$0.7710	$ 3,949	5,122	$1.7493	$ 8,961	$ 12,910
March	5,251	$3.1942	$ 16,773	5,251	$0.7710	$ 4,049	5,251	$1.7493	$ 9,186	$ 13,235
April	5,234	$3.1942	$ 16,717	5,234	$0.7710	$ 4,035	5,234	$1.7493	$ 9,155	$ 13,190
May	5,303	$3.1942	$ 16,940	5,303	$0.7710	$ 4,089	5,303	$1.7493	$ 9,277	$ 13,366
June	31.171	$3.1942	$ 99,567	31,171	$0.7710	$ 24,033	31,171	$1.7493	$ 54,528	$ 78,560
July	18,191	$3.1942	$ 58,106	18,191	$0.7710	$ 14,025	18,191	$1.7493	$ 31,822	$ 45,847
August	30,805	$3.1942	$ 98,398	30,805	$0.7710	$ 23,751	30,805	$1.7493	$ 53,888	$ 77,639
September	33,450	$3.1942	$ 106,846	33,450	$0.7710	$ 25,790	33,450	$1.7493	$ 58,514	$ 84,304
October	17	$3.1949	$ 55	17	$0.7710	$ 13	17	$1.7497	$ 30	$ 44
November	11.558	$3.1942	$ 36,919	11,558	$0.7710	$ 8,911	11,558	$1.7493	$ 20,219	$ 29,130
December	11,874	$3.1942	$ 37,929	11,874	$0.7710	$ 9,155	11,874	$1.7493	$ 20,772	$ 29,927
Total	163,252	$ 3.1942	$ 521,461	163,252	$ 0.7710	$ 125,868	163,252	$ 1.7493	$ 285,578	$ 411,445

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	598,660	$ 3.6063	$ 2,158,971	632,470	$ 0.9485	$ 599,903	545,424	$ 2.3343	$ 1,273,178	$ 1,873,080
February	589,338	$ 3.6064	$ 2,125,382	604,717	$ 0.9485	$ 573,565	522,914	$ 2.3342	$ 1,220,594	$ 1,794,159
March	563,918	$ 3.6061	$ 2,033,561	594,914	$ 0.9484	$ 564,229	518,610	$ 2.3340	$ 1,210,446	$ 1,774,675
April	563,151	$ 3.6061	$ 2,030,797	582,208	$ 0.9484	$ 552,160	505,447	$ 2.3339	$ 1,179,654	$ 1,731,814
May	746,378	$ 3.6070	$ 2,692,220	770,135	$ 0.9488	$ 730,679	668,768	$ 2.3353	$ 1,561,785	$ 2,292,464
June	807,295	$ 3.5939	$ 2,901,374	847,800	$ 0.9434	$ 799,830	727,562	$ 2.3147	$ 1,684,082	$ 2,483,913
July	851,666	$ 3.6011	$ 3,066,951	861,763	$ 0.9462	$ 815,419	738,410	$ 2.3254	$ 1,717,134	$ 2,532,553
August	788,495	$ 3.5938	$ 2,833,659	823,108	$ 0.9433	$ 776,439	711,819	$ 2.3144	$ 1,647,460	$ 2,423,899
September	849,217	$ 3.5936	$ 3,051,765	873,439	$ 0.9431	$ 823,780	746,213	$ 2.3135	$ 1,726,380	$ 2,550,159
October	596,035	$ 3.6100	$ 2,151,680	621,306	$ 0.9500	$ 590,238	536,183	$ 2.3400	$ 1,254,659	$ 1,844,897
November	579,548	$ 3.6017	$ 2,087,363	605,895	$ 0.9466	$ 573,532	519,746	$ 2.3269	$ 1,209,379	$ 1,782,910
December	567,859	$ 3.6013	$ 2,045,035	610,873	$ 0.9465	$ 578,204	530,086	$ 2.3268	$ 1,233,388	$ 1,811,592
Total	8,101,562	$ 3.60	$ 29,178,760	8,428,630	$ 0.95	$ 7,977,977	7,271,184	$ 2.33	$ 16,918,138	$ 24,896,115

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 24,896,115

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The purpose of this sheet is to calculate the expected billing when current 2019 Uniform Transmission Rates are applied against historical 2018 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	593,386	$ 3.7100	$ 2,201,462	627,196	$ 0.9400	$ 589,564	540,150	$ 2.2500	$ 1,215,338	$ 1,804,902
February	584,216	$ 3.7100	$ 2,167,441	599,595	$ 0.9400	$ 563,619	517,792	$ 2.2500	$ 1,165,032	$ 1,728,651
March	558,667	$ 3.7100	$ 2,072,655	589,663	$ 0.9400	$ 554,283	513,359	$ 2.2500	$ 1,155,058	$ 1,709,341
April	557,917	$ 3.7100	$ 2,069,872	576,974	$ 0.9400	$ 542,356	500,213	$ 2.2500	$ 1,125,479	$ 1,667,835
May	741,075	$ 3.7100	$ 2,749,388	764,832	$ 0.9400	$ 718,942	663,465	$ 2.2500	$ 1,492,796	$ 2,211,738
June	776,124	$ 3.7100	$ 2,879,420	816,629	$ 0.9400	$ 767,631	696,391	$ 2.2500	$ 1,566,880	$ 2,334,511
July	833,475	$ 3.8300	$ 3,192,209	843,572	$ 0.9600	$ 809,829	720,219	$ 2.3000	$ 1,656,504	$ 2,466,333
August	757,690	$ 3.8300	$ 2,901,953	792,303	$ 0.9600	$ 760,611	681,014	$ 2.3000	$ 1,566,332	$ 2,326,943
September	815,767	$ 3.8300	$ 3,124,388	839,989	$ 0.9600	$ 806,389	712,763	$ 2.3000	$ 1,639,355	$ 2,445,744
October	596,018	$ 3.8300	$ 2,282,749	621,289	$ 0.9600	$ 596,437	536,166	$ 2.3000	$ 1,233,182	$ 1,829,619
November	567,990	$ 3.8300	$ 2,175,402	594,337	$ 0.9600	$ 570,564	508,188	$ 2.3000	$ 1,168,832	$ 1,739,396
December	555,985	$ 3.8300	$ 2,129,423	598,999	$ 0.9600	$ 575,039	518,212	$ 2.3000	$ 1,191,888	$ 1,766,927
Total	7,938,310	$ 3.77	$ 29,946,361	8,265,378	$ 0.95	$ 7,855,265	7,107,932	$ 2.28	$ 16,176,675	$ 24,031,940

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	5,274	$ 3.1942	$ 16,848	5,274	$ 0.7710	$ 4,067	5,274	$ 1.7493	$ 9,227	$ 13,293
February	5,122	$ 3.1942	$ 16,362	5,122	$ 0.7710	$ 3,949	5,122	$ 1.7493	$ 8,961	$ 12,910
March	5,251	$ 3.1942	$ 16,773	5,251	$ 0.7710	$ 4,049	5,251	$ 1.7493	$ 9,186	$ 13,235
April	5,234	$ 3.1942	$ 16,717	5,234	$ 0.7710	$ 4,035	5,234	$ 1.7493	$ 9,155	$ 13,190
May	5,303	$ 3.1942	$ 16,940	5,303	$ 0.7710	$ 4,089	5,303	$ 1.7493	$ 9,277	$ 13,366
June	31,171	$ 3.1942	$ 99,567	31,171	$ 0.7710	$ 24,033	31,171	$ 1.7493	$ 54,528	$ 78,560
July	18,191	$ 3.2915	$ 59,876	18,191	$ 0.7877	$ 14,329	18,191	$ 1.9755	$ 35,937	$ 50,266
August	30,805	$ 3.2915	$ 101,396	30,805	$ 0.7877	$ 24,265	30,805	$ 1.9755	$ 60,856	$ 85,121
September	33,450	$ 3.2915	$ 110,101	33,450	$ 0.7877	$ 26,349	33,450	$ 1.9755	$ 66,081	$ 92,429
October	17	$ 3.2915	$ 57	17	$ 0.7877	$ 14	17	$ 1.9755	$ 34	$ 48
November	11,558	$ 3.2915	$ 38,044	11,558	$ 0.7877	$ 9,104	11,558	$ 1.9755	$ 22,833	$ 31,938
December	11,874	$ 3.2915	$ 39,084	11,874	$ 0.7877	$ 9,353	11,874	$ 1.9755	$ 23,458	$ 32,811
Total	163,252	$ 3.26	$ 531,765	163,252	$ 0.78	$ 127,636	163,252	$ 1.90	$ 309,531	$ 437,167

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	598,660	$ 3.7055	$ 2,218,310	632,470	$ 0.9386	$ 593,631	545,424	$ 2.2452	$ 1,224,564	$ 1,818,195
February	589,338	$ 3.7055	$ 2,183,803	604,717	$ 0.9386	$ 567,569	522,914	$ 2.2451	$ 1,173,993	$ 1,741,561
March	563,918	$ 3.7052	$ 2,089,428	594,914	$ 0.9385	$ 558,332	518,610	$ 2.2449	$ 1,164,244	$ 1,722,576
April	563,151	$ 3.7052	$ 2,086,589	582,208	$ 0.9385	$ 546,391	505,447	$ 2.2448	$ 1,134,634	$ 1,681,025
May	746,378	$ 3.7063	$ 2,766,328	770,135	$ 0.9388	$ 723,031	668,768	$ 2.2460	$ 1,502,073	$ 2,225,104
June	807,295	$ 3.6901	$ 2,978,987	847,800	$ 0.9338	$ 791,664	727,562	$ 2.2285	$ 1,621,407	$ 2,413,071
July	851,666	$ 3.8185	$ 3,252,086	861,763	$ 0.9564	$ 824,158	738,410	$ 2.2920	$ 1,692,440	$ 2,516,599
August	788,495	$ 3.8090	$ 3,003,348	823,108	$ 0.9536	$ 784,876	711,819	$ 2.2860	$ 1,627,188	$ 2,412,064
September	849,217	$ 3.8088	$ 3,234,489	873,439	$ 0.9534	$ 832,738	746,213	$ 2.2855	$ 1,705,436	$ 2,538,174
October	596,035	$ 3.8300	$ 2,282,806	621,306	$ 0.9600	$ 596,451	536,183	$ 2.3000	$ 1,233,216	$ 1,829,667
November	579,548	$ 3.8193	$ 2,213,446	605,895	$ 0.9567	$ 579,668	519,746	$ 2.2928	$ 1,191,666	$ 1,771,334
December	567,859	$ 3.8187	$ 2,168,507	610,873	$ 0.9567	$ 584,392	530,086	$ 2.2927	$ 1,215,345	$ 1,799,738
Total	8,101,562	$ 3.76	$ 30,478,126	8,428,630	$ 0.95	$ 7,982,901	7,271,184	$ 2.27	$ 16,486,206	$ 24,469,108

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 24,469,108

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The purpose of this sheet is to calculate the expected billing when forecasted 2019 Uniform Transmission Rates are applied against historical 2018 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	593,386	$ 3.8300	$ 2,272,668	627,196	$ 0.9600	$ 602,108	540,150	$ 2.3000	$ 1,242,345	$ 1,844,453
February	584,216	$ 3.8300	$ 2,237,547	599,595	$ 0.9600	$ 575,611	517,792	$ 2.3000	$ 1,190,922	$ 1,766,533
March	558,667	$ 3.8300	$ 2,139,695	589,663	$ 0.9600	$ 566,076	513,359	$ 2.3000	$ 1,180,726	$ 1,746,802
April	557,917	$ 3.8300	$ 2,136,822	576,974	$ 0.9600	$ 553,895	500,213	$ 2.3000	$ 1,150,490	$ 1,704,385
May	741,075	$ 3.8300	$ 2,838,317	764,832	$ 0.9600	$ 734,239	663,465	$ 2.3000	$ 1,525,970	$ 2,260,208
June	776,124	$ 3.8300	$ 2,972,555	816,629	$ 0.9600	$ 783,964	696,391	$ 2.3000	$ 1,601,699	$ 2,385,663
July	833,475	$ 3.8300	$ 3,192,209	843,572	$ 0.9600	$ 809,829	720,219	$ 2.3000	$ 1,656,504	$ 2,466,333
August	757,690	$ 3.8300	$ 2,901,953	792,303	$ 0.9600	$ 760,611	681,014	$ 2.3000	$ 1,566,332	$ 2,326,943
September	815,767	$ 3.8300	$ 3,124,388	839,989	$ 0.9600	$ 806,389	712,763	$ 2.3000	$ 1,639,355	$ 2,445,744
October	596,018	$ 3.8300	$ 2,282,749	621,289	$ 0.9600	$ 596,437	536,166	$ 2.3000	$ 1,233,182	$ 1,829,619
November	567,990	$ 3.8300	$ 2,175,402	594,337	$ 0.9600	$ 570,564	508,188	$ 2.3000	$ 1,168,832	$ 1,739,396
December	555,985	$ 3.8300	$ 2,129,423	598,999	$ 0.9600	$ 575,039	518,212	$ 2.3000	$ 1,191,888	$ 1,766,927
Total	7,938,310	$ 3.83	$ 30,403,727	8,265,378	$ 0.96	$ 7,934,763	7,107,932	$ 2.30	$ 16,348,244	$ 24,283,006

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	5,274	$ 3.2915	$ 17,361	5,274	$ 0.7877	$ 4,155	5,274	$ 1.9755	$ 10,420	$ 14,574
February	5,122	$ 3.2915	$ 16,860	5,122	$ 0.7877	$ 4,035	5,122	$ 1.9755	$ 10,119	$ 14,154
March	5,251	$ 3.2915	$ 17,284	5,251	$ 0.7877	$ 4,136	5,251	$ 1.9755	$ 10,374	$ 14,510
April	5,234	$ 3.2915	$ 17,226	5,234	$ 0.7877	$ 4,122	5,234	$ 1.9755	$ 10,339	$ 14,461
May	5,303	$ 3.2915	$ 17,456	5,303	$ 0.7877	$ 4,177	5,303	$ 1.9755	$ 10,477	$ 14,654
June	31,171	$ 3.2915	$ 102,600	31,171	$ 0.7877	$ 24,553	31,171	$ 1.9755	$ 61,578	$ 86,132
July	18,191	$ 3.2915	$ 59,876	18,191	$ 0.7877	$ 14,329	18,191	$ 1.9755	$ 35,937	$ 50,266
August	30,805	$ 3.2915	$ 101,396	30,805	$ 0.7877	$ 24,265	30,805	$ 1.9755	$ 60,856	$ 85,121
September	33,450	$ 3.2915	$ 110,101	33,450	$ 0.7877	$ 26,349	33,450	$ 1.9755	$ 66,081	$ 92,429
October	17	$ 3.2915	$ 57	17	$ 0.7877	$ 14	17	$ 1.9755	$ 34	$ 48
November	11,558	$ 3.2915	$ 38,044	11,558	$ 0.7877	$ 9,104	11,558	$ 1.9755	$ 22,833	$ 31,938
December	11,874	$ 3.2915	$ 39,084	11,874	$ 0.7877	$ 9,353	11,874	$ 1.9755	$ 23,458	$ 32,811
Total	163,252	$ 3.29	$ 537,345	163,252	$ 0.79	$ 128,594	163,252	$ 1.98	$ 322,505	$ 451,099

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	598,660	$ 3.83	$ 2,290,029	632,470	$ 0.96	$ 606,263	545,424	$ 2.30	$ 1,252,765	$ 1,859,027
February	589,338	$ 3.83	$ 2,254,408	604,717	$ 0.96	$ 579,646	522,914	$ 2.30	$ 1,201,041	$ 1,780,687
March	563,918	$ 3.82	$ 2,156,979	594,914	$ 0.96	$ 570,213	518,610	$ 2.30	$ 1,191,100	$ 1,761,312
April	563,151	$ 3.82	$ 2,154,048	582,208	$ 0.96	$ 558,018	505,447	$ 2.30	$ 1,160,829	$ 1,718,846
May	746,378	$ 3.83	$ 2,855,773	770,135	$ 0.96	$ 738,416	668,768	$ 2.30	$ 1,536,446	$ 2,274,862
June	807,295	$ 3.81	$ 3,075,154	847,800	$ 0.95	$ 808,517	727,562	$ 2.29	$ 1,663,278	$ 2,471,795
July	851,666	$ 3.82	$ 3,252,086	861,763	$ 0.96	$ 824,158	738,410	$ 2.29	$ 1,692,440	$ 2,516,599
August	788,495	$ 3.81	$ 3,003,348	823,108	$ 0.95	$ 784,876	711,819	$ 2.29	$ 1,627,188	$ 2,412,064
September	849,217	$ 3.81	$ 3,234,489	873,439	$ 0.95	$ 832,738	746,213	$ 2.29	$ 1,705,436	$ 2,538,174
October	596,035	$ 3.83	$ 2,282,806	621,306	$ 0.96	$ 596,451	536,183	$ 2.30	$ 1,233,216	$ 1,829,667
November	579,548	$ 3.82	$ 2,213,446	605,895	$ 0.96	$ 579,668	519,746	$ 2.29	$ 1,191,666	$ 1,771,334
December	567,859	$ 3.82	$ 2,168,507	610,873	$ 0.96	$ 584,392	530,086	$ 2.29	$ 1,215,345	$ 1,799,738
Total	8,101,562	$ 3.82	$ 30,941,073	8,428,630	$ 0.96	$ 8,063,357	7,271,184	$ 2.29	$ 16,670,749	$ 24,734,106

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 24,734,106

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

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

Rate Class	Rate Description	Unit	Current RTSR-Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0072	1,432,358,603	0	10,312,982	36.1%	11,015,316	0.0077
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0064	356,543,106	0	2,281,876	8.0%	2,437,276	0.0068
General Service 50 To 699 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.4987		3,179,603	7,944,874	27.8%	8,485,936	2.6689
General Service 700 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.8022		2,020,564	5,662,024	19.8%	6,047,619	2.9930
Large Use Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	3.1716		657,857	2,086,459	7.3%	2,228,551	3.3876
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0064	6,116,345	0	39,145	0.1%	41,810	0.0068
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.0806		98,842	205,651	0.7%	219,656	2.2223
Embedded Distributor Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.8022		0	0	0.0%	0	0.0000
Distributed Generation [dgen] Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0064	286,878	0	1,836	0.0%	1,961	0.0068

The purpose of this table is to re-align the current RTS Connection Rates to recover current wholesale connection costs.

Rate Class	Rate Description	Unit	Current RTSR-Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR-Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0063	1,432,358,603	0	9,023,859	37.3%	9,115,769	0.0064
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0053	356,543,106	0	1,889,678	7.8%	1,908,925	0.0054
General Service 50 To 699 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.1236		3,179,603	6,752,205	27.9%	6,820,977	2.1452
General Service 700 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.2827		2,020,564	4,612,341	19.0%	4,659,319	2.3059
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.6383		657,857	1,735,624	7.2%	1,753,302	2.6652
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0053	6,116,345	0	32,417	0.1%	32,747	0.0054
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.7680		98,842	174,753	0.7%	176,533	1.7860
Embedded Distributor Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.2827		0	0	0.0%	0	0.0000
Distributed Generation [dgen] Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0053	286,878	0	1,520	0.0%	1,536	0.0054

The purpose of this table is to update the re-aligned RTS Network Rates to recover future wholesale network costs.

Rate Class	Rate Description	Unit	Adjusted RTSR-Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR-Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0077	1,432,358,603	0	11,015,316	36.1%	11,182,633	**0.0078**
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0068	356,543,106	0	2,437,276	8.0%	2,474,297	**0.0069**
General Service 50 To 699 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.6689		3,179,603	8,485,936	27.8%	8,614,832	**2.7094**
General Service 700 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.9930		2,020,564	6,047,619	19.8%	6,139,480	**3.0385**
Large Use Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	3.3876		657,857	2,228,551	7.3%	2,262,402	**3.4390**
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0068	6,116,345	0	41,810	0.1%	42,446	**0.0069**
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.2223		98,842	219,656	0.7%	222,992	**2.2560**
Embedded Distributor Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	0.0000		0	0	0.0%	0	**3.4390**
Distributed Generation [dgen] Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0068	286,878	0	1,961	0.0%	1,991	**0.0069**

The purpose of this table is to update the re-aligned RTS Connection Rates to recover future wholesale connection costs.

Rate Class	Rate Description	Unit	Adjusted RTSR-Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR-Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0064	1,432,358,603	0	9,115,769	37.3%	9,214,492	**0.0064**
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0054	356,543,106	0	1,908,925	7.8%	1,929,599	**0.0054**
General Service 50 To 699 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.1452		3,179,603	6,820,977	27.9%	6,894,848	**2.1685**
General Service 700 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3059		2,020,564	4,659,319	19.0%	4,709,779	**2.3309**
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.6652		657,857	1,753,302	7.2%	1,772,290	**2.6940**
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0054	6,116,345	0	32,747	0.1%	33,101	**0.0054**
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.7860		98,842	176,533	0.7%	178,444	**1.8053**
Embedded Distributor Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	0.0000		0	0	0.0%	0	**2.3309**
Distributed Generation [dgen] Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0054	286,878	0	1,536	0.0%	1,553	**0.0054**

Note: As requested by Hydro One Brampton, model has been modified to ensure that RTSR rates of the embedded distributor class equal those produced by the General Service > 700 kW class.

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

If applicable, please enter any adjustments related to the revenue to cost ratio model into columns C and E. The Price Escalator and Stretch Factor have been set at the 2018 values and will be updated by OEB staff at a later date.

Price Escalator	**1.20%**	**Productivity Factor**	**0.00%**
Choose Stretch Factor Group	III	**Price Cap Index**	**0.90%**
Associated Stretch Factor Value	**0.30%**		

Rate Class	Current MFC	MFC Adjustment from R/C Model	Current Volumetric Charge	DVR Adjustment from R/C Model	Price Cap Index to be Applied to MFC and DVR	Proposed MFC	Proposed Volumetric Charge
RESIDENTIAL SERVICE CLASSIFICATION	24.3				0.90%	24.52	0.0000
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	25.65		0.0171		0.90%	25.88	0.0173
GENERAL SERVICE 50 TO 699 KW SERVICE CLASSIFICATION	127.98		2.8986		0.90%	129.13	2.9247
GENERAL SERVICE 700 TO 4,999 KW SERVICE CLASSIFICATION	1154.71		3.3649		0.90%	1,165.10	3.3952
LARGE USE SERVICE CLASSIFICATION	4804.99		2.5476		0.90%	4,848.23	2.5705
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	1.11		0.0202		0.90%	1.12	0.0204
STREET LIGHTING SERVICE CLASSIFICATION	2.35		11.7823		0.90%	2.37	11.8883
STANDBY POWER SERVICE CLASSIFICATION	0		1.7134		0.90%	0.00	1.7288
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	4247.63				0.90%	4,285.86	0.0000
DISTRIBUTED GENERATION [DGEN] SERVICE CLASSIFICATION	106.17				0.90%	107.13	0.0000
ENERGY FROM WASTE SERVICE CLASSIFICATION	64.42				0.90%	65.00	0.0000
microFIT SERVICE CLASSIFICATION	5.4					5.4	

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Update the following rates if an OEB Decision has been issued at the time of completing this application

Regulatory Charges

Effective Date of Regulatory Charges		January 1, 2019	January 1, 2020
Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$/kWh	0.25	0.25

Time-of-Use RPP Prices

As of		May 1, 2019
Off-Peak	$/kWh	0.0650
Mid-Peak	$/kWh	0.0940
On-Peak	$/kWh	0.1340

Smart Meter Entity Charge (SME)

Smart Meter Entity Charge (SME)	$	0.57

Distribution Rate Protection (DRP) Amount (Applicable to LDCs under the Distribution Rate Protection program):	$	36.86

Miscellaneous Service Charges

Wireline Pole Attachment Charge	Unit	Current charge	Inflation factor *	Proposed charge ** / ***
Specific charge for access to the power poles - per pole/year	$	43.63	1.20%	44.15

Retail Service Charges		Current charge	Inflation factor*	Proposed charge ***
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	$	100.00	1.20%	101.20
Monthly fixed charge, per retailer	$	40.00	1.20%	40.48
Monthly variable charge, per customer, per retailer	$/cust.	1.00	1.20%	1.01
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.60	1.20%	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	(0.60)	1.20%	(0.61)
Service Transaction Requests (STR)				-
Request fee, per request, applied to the requesting party	$	0.50	1.20%	0.51
Processing fee, per request, applied to the requesting party	$	1.00	1.20%	1.01
Electronic Business Transaction (EBT) system, applied to the requesting party				
up to twice a year		no charge		no charge
more than twice a year, per request (plus incremental delivery costs)	$	4.00	1.20%	4.05
Notice of switch letter charge, per letter	$	2.00	1.20%	2.02

* inflation factor subject to change pending OEB approved inflation rate effective in 2020
** applicable only to LDCs in which the province-wide pole attachment charge applies
*** subject to change pending OEB order on miscellaneous service charges

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

In the Green Cells below, enter all proposed rate riders/rates. Please note that the following rates/charges are to be entered in the Final Tariff Schedule tab: Monthly Service Charge, Distribution Volumetric Rate and Retail Transmission Rates.
In column A, select the rate rider descriptions from the drop-down list in the blue cells. If the rate description cannot be found, enter the rate rider descriptions in the green cells. The rate rider description must begin with "Rate Rider for".
In column B, choose the associated unit from the drop-down menu.
In column C, enter the rate. All rate riders with a "$" unit should be rounded to 2 decimal places and all others rounded to 4 decimal places.
In column E, enter the expiry date (e.g. April 30, 2020) or description of the expiry date in text (e.g. the effective date of the next cost of service-based rate order).
In column G, a sub-total (A or B) should already be assigned to the rate rider unless the rate description was entered into a green cell in column A. In these particular cases, from the dropdown list in column G, choose the appropriate sub-total (A or B) . Sub-Total A refers to rates/rate riders that Not considered as pass through costs (eg: LRAMVA and ICM/ACM rate riders). Sub-Total B refers to rates/rate riders that are considered pass through costs.

RESIDENTIAL SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.31	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.32	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kWh	0.0002	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE 50 TO 699 KW SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	1.62	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0367	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE 700 TO 4,999 KW SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	14.63	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0426	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

LARGE USE SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	60.86	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0323	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.01	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kWh	0.0003	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

STREET LIGHTING SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.03	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.1492	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

STANDBY POWER SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	53.80	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

DISTRIBUTED GENERATION [DGEN] SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	1.34	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

ENERGY FROM WASTE SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
			- effective until		
			- effective until		

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

microFIT SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2019-0018

RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account where the electricity is supplied exclusively to single-family dwelling units for domestic or household purposes, including seasonal occupancy. This includes, but is not limited to, detached houses, one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex also qualify as residential customers. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	24.52
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.31
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.23
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	$/kWh	0.0078
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0064

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2019-0018

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. Multi-unit residential establishments such as apartment buildings supplied through one service (bulk metered) shall normally be classified as general service. Where service is provided to combined residential and business, or residential and agricultural, whether seasonal or all-year premises, and the wiring does not provide for separate metering, the service shall normally be classed as general service. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	25.88
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.32
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.24
Distribution Volumetric Rate	$/kWh	0.0173
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0012
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0002
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kWh	0.0002
Retail Transmission Rate - Network Service Rate	$/kWh	0.0069
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0054

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
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EB-2019-0018

GENERAL SERVICE 50 TO 699 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 700 kW. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	129.13
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	1.62
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	1.21
Distribution Volumetric Rate	$/kW	2.9247
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0565
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0273
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0367
Retail Transmission Rate - Network Service Rate	$/kW	2.7094
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.1685

Alectra Utilities Corporation
Brampton Rate Zone
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Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2019-0018

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
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Effective and Implementation Date January 1, 2020
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EB-2019-0018

GENERAL SERVICE 700 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 700 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	1,165.10
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	14.63
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	10.89
Distribution Volumetric Rate	$/kW	3.3952
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0459
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0317
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0426
Retail Transmission Rate - Network Service Rate	$/kW	3.0385
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3309

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

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MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
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Effective and Implementation Date January 1, 2020
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EB-2019-0018

LARGE USE SERVICE CLASSIFICATION

This classification applies to an account whose average monthly maximum demand over 12 consecutive months used for billing purposes is equal to or greater than 5,000 kW, or is forecast to be equal to or greater than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	4,848.23
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	60.86
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	45.33
Distribution Volumetric Rate	$/kW	2.5705
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0587
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.024
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0323
Retail Transmission Rate - Network Service Rate	$/kW	3.4390
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.6940

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Brampton Rate Zone
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MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
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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. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	1.12
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.01
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.01
Distribution Volumetric Rate	$/kWh	0.0204
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0002
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kWh	0.0003
Retail Transmission Rate - Network Service Rate	$/kWh	0.0069
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0054

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
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STREET LIGHTING SERVICE CLASSIFICATION

All service supplied to roadway lighting equipment owned by or operated by the City of Brampton, Regional Municipality of Peel, or the Ministry of Transportation, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	$	2.37
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.03
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.02
Distribution Volumetric Rate	$/kW	11.8883
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.1112
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.1492
Retail Transmission Rate - Network Service Rate	$/kW	2.2560
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.8053

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2019-0018

STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide back-up 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component - Approved on an Interim Basis

Distribution Volumetric Rate	$/kW	1.7288

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
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EB-2019-0018

EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Ontario Energy Board, that is provided electricity by means of this distributor's facilities. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	4,285.86
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	53.80
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	40.07
Retail Transmission Rate - Network Service Rate	$/kW	3.0385
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3309

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
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EB-2019-0018

DISTRIBUTED GENERATION [DGEN] SERVICE CLASSIFICATION

This classification applies to a distributed generator that is not a microFIT or an Energy from Waste Generator and connected to the distributor's distribution system. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	107.13
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	1.34
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	1
Retail Transmission Rate - Network Service Rate	$/kWh	0.0069
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0054

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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EB-2019-0018

ENERGY FROM WASTE SERVICE CLASSIFICATION

This classification applies to an electricity generation facility that is not covered by a microFIT or Distributed Generation classification which produces energy from combustion of consumer waste with the capability to generate over 4,000 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	65.00

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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	5.40

ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month		
General Service less than 50 kW Classification	$/kWh	-0.0032
General Service 50 to 699 kW Classification	$/kW	-0.684
General Service 700 to 4,999 kW Classification	$/kW	-0.8515
Primary Metering Allowance for transformer losses - applied to measured demand and energy	%	-1

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SPECIFIC SERVICE CHARGES

APPLICATION

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

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Customer Administration		
Arrears certificate	$	15
Pulling post dated cheques	$	15
Duplicate invoices for previous billing	$	15
Request for other billing information	$	15
Easement letter	$	15
Income tax letter	$	15
Account history	$	15
Credit reference/credit check (plus credit agency costs)	$	15
Returned cheque (plus bank charges)	$	15
Legal letter charge	$	15
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	$	30
Special meter reads	$	30
Special billing service (aggregation)	$	125
Special billing service (sub-metering charge per meter)	$	25
Non-Payment of Account		
Late payment - per month	%	1.5
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	$	30
Disconnect/reconnect at meter - during regular hours	$	65
Disconnect/reconnect at meter - after regular hours	$	185
Disconnect/reconnect at pole - during regular hours	$	185
Disconnect/reconnect at pole - after regular hours	$	415
Disconnect/reconnection for >300 volts - during regular hours	$	60
Disconnect/reconnection for >300 volts - after regular hours	$	155
Other		
Owner requested disconnection/reconnection - during regular hours	$	120
Owner requested disconnection/reconnection - after regular hours	$	155
Specific Charge for Access to the Power Poles - $/pole/year (with the exception of wireless attachments) - in effect from January 1, 2019	$	44.15

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RETAIL SERVICE CHARGES (if applicable)

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

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

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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	$	101.2
Monthly fixed charge, per retailer	$	40.48
Monthly variable charge, per customer, per retailer	$/cust.	1.01
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	-0.61
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.51
Processing fee, per request, applied to the requesting party	$	1.01
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)	$	4.05
Notice of switch letter charge, per letter	$	2.02

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	1.0341
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0239
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The bill comparisons below must be provided for typical customers and consumption levels. Bill impacts must be provided for residential customers consuming 750 kWh per month and general service customers consuming 2,000 kWh per month and having a monthly demand of less than 50 kW. Include bill comparisons for Non-RPP (retailer) as well. **To assess the combined effects of the shift to fixed rates and other bill impacts associated with changes in the cost of distribution service, applicants are to include a total bill impact for a residential customer at the distributor's 10th consumption percentile (In other words, 10% of a distributor's residential customers consume at or less than this level of consumption on a monthly basis). Refer to section 3.2.3 of the Chapter 3 Filing Requirements For Electricity Distribution Rate Applications.**

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

Note:
1. For those classes that are not eligible for the RPP price, the weighted average price including Class B GA through end of May 2018 of $0.1117/kWh (IESO's Monthly Market Report for May 2018, page 22) has been used to represent the cost of power. For those classes on a retailer contract, applicants should enter the contract price (plus GA) for a more accurate estimate. Changes to the cost of power can be made directly on the bill impact table for the specific class.
2. Please enter the applicable billing determinant (e.g. number of connections or devices) to be applied to the monthly service charge for unmetered rate classes in column N. If the monthly service charge is applied on a per customer basis, enter the number "1". Distributors should provide the number of connections or devices reflective of a typical customer in each class.

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

Table 1

RATE CLASSES / CATEGORIES *(eg: Residential TOU, Residential Retailer)*	**Units**	**RPP? Non-RPP Retailer? Non-RPP Other?**	**Current Loss Factor** (eg: 1.0351)	**Proposed Loss Factor**	**Consumption (kWh)**	**Demand kW (if applicable)**	**RTSR Demand or Demand-Interval?**	**Billing Determinant Applied to Fixed Charge for Unmetered Classes (e.g. # of devices/connections).**
RESIDENTIAL SERVICE CLASSIFICATION	**kWh**	RPP	1.0341	1.0341	750		CONSUMPTION	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	**kWh**	RPP	1.0341	1.0341	2,000		CONSUMPTION	
GENERAL SERVICE 50 TO 699 KW SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.0341	1.0341	182,500	500	DEMAND	
GENERAL SERVICE 700 TO 4,999 KW SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.0341	1.0341	627,216	1,432	DEMAND	
LARGE USE SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.0145	1.0145	10,220,000	20,000	DEMAND	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	**kWh**	RPP	1.0341	1.0341	21,296		CONSUMPTION	186
STREET LIGHTING SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.0341	1.0341	2,787,508	7,922	DEMAND	20,614
STANDBY POWER SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.0341	1.0341		4,548	DEMAND	
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION	**kWh**	Non-RPP (Other)	1.0341	1.0341	1,417,701	4,000	CONSUMPTION	
DISTRIBUTED GENERATION [DGEN] SERVICE CLASSIFICATION	**kWh**	Non-RPP (Other)	1.0341	1.0341	156		CONSUMPTION	
ENERGY FROM WASTE SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.0341	1.0341			DEMAND	
Add additional scenarios if required			1.0341	1.0341				
Add additional scenarios if required			1.0341	1.0341				
Add additional scenarios if required			1.0341	1.0341				
Add additional scenarios if required			1.0341	1.0341				
Add additional scenarios if required			1.0341	1.0341				
Add additional scenarios if required			1.0341	1.0341				
Add additional scenarios if required			1.0341	1.0341				
Add additional scenarios if required			1.0341	1.0341				

Add additional scenarios if required			1.0341	1.0341				

Table 2

RATE CLASSES / CATEGORIES *(eg: Residential TOU, Residential Retailer)*	Units	Sub-Total						Total	
		A		B		C		Total Bill	
		$	%	$	%	$	%	$	%
RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	$ 0.55	2.2%	$ 2.36	9.2%	$ 2.90	8.0%	$ 3.04	2.9%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION - RPP	kWh	$ 1.86	3.0%	$ 6.46	10.1%	$ 7.70	8.7%	$ 8.09	2.9%
GENERAL SERVICE 50 TO 699 KW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 43.37	2.7%	$ 287.42	21.0%	$ 415.22	11.3%	$ 469.20	1.6%
GENERAL SERVICE 700 TO 4,999 KW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 142.26	2.3%	$ 951.48	18.0%	$ 1,358.89	10.8%	$ 1,535.54	1.5%
LARGE USE SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 1,178.67	2.1%	$ 35,566.67	154.0%	$ 42,028.67	30.2%	$ 47,492.40	3.1%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - RPP	kWh	$ 12.51	2.0%	$ 61.49	10.4%	$ 74.70	8.8%	$ 84.41	2.7%
STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 2,433.99	1.7%	$ 7,492.61	5.4%	$ 9,177.62	5.5%	$ 10,370.71	1.8%
STANDBY POWER SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 70.04	0.9%	$ 70.04	0.9%	$ 70.04	0.9%	$ 79.14	0.9%
EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION - Non-RPP (Other)	kWh	$ 87.45	2.0%	$ (470.83)	-9.7%	$ 667.17	2.6%	$ 753.90	0.3%
DISTRIBUTED GENERATION [DGEN] SERVICE CLASSIFICATION - Non-RPP (Other)	kWh	$ 2.19	2.0%	$ 2.47	2.3%	$ 2.57	2.3%	$ 2.90	2.0%
ENERGY FROM WASTE SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 0.58	0.9%	$ 0.58	0.9%	$ 0.58	0.9%	$ 0.66	0.9%

Customer Class:	**RESIDENTIAL SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**RPP**	
Consumption	**750**	**kWh**
Demand	**-**	**kW**
Current Loss Factor	**1.0341**	
Proposed/Approved Loss Factor	**1.0341**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 24.30	1	$ 24.30	$ 24.52	1	$ 24.52	$ 0.22	0.91%
Distribution Volumetric Rate	$ -	750	$ -	$ -	750	$ -	$ -	
Fixed Rate Riders	$ 0.28	1	$ 0.28	$ 0.54	1	$ 0.54	$ 0.26	92.86%
Volumetric Rate Riders	$ 0.0003	750	$ 0.23	$ 0.0004	750	$ 0.30	$ 0.08	33.33%
Sub-Total A (excluding pass through)			**$ 24.81**			**$ 25.36**	**$ 0.55**	**2.24%**
Line Losses on Cost of Power	$ 0.0824	26	$ 2.11	$ 0.0824	26	$ 2.11	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0024	750	$ (1.80)	$ -	750	$ -	$ 1.80	-100.00%
CBR Class B Rate Riders	$ -	750	$ -	$ -	750	$ -	$ -	
GA Rate Riders	$ -	750	$ -	$ -	750	$ -	$ -	
Low Voltage Service Charge	$ -	750	$ -		750	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		750	$ -	$ -	750	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 25.68**			**$ 28.04**	**$ 2.36**	**9.17%**
RTSR - Network	$ 0.0072	776	$ 5.58	$ 0.0078	776	$ 6.05	$ 0.47	8.33%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0063	776	$ 4.89	$ 0.0064	776	$ 4.96	$ 0.08	1.59%
Sub-Total C - Delivery (including Sub-Total B)			**$ 36.15**			**$ 39.05**	**$ 2.90**	**8.02%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	776	$ 2.64	$ 0.0034	776	$ 2.64	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	776	$ 0.39	$ 0.0005	776	$ 0.39	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
TOU - Off Peak	$ 0.0650	488	$ 31.69	$ 0.0650	488	$ 31.69	$ -	0.00%
TOU - Mid Peak	$ 0.0940	128	$ 11.99	$ 0.0940	128	$ 11.99	$ -	0.00%
TOU - On Peak	$ 0.1340	135	$ 18.09	$ 0.1340	135	$ 18.09	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 101.19**			**$ 104.09**	**$ 2.90**	**2.86%**
HST	13%		$ 13.15	13%		$ 13.53	$ 0.38	2.86%
8% Rebate	8%		$ (8.10)	8%		$ (8.33)	$ (0.23)	
Total Bill on TOU			**$ 106.25**			**$ 109.29**	**$ 3.04**	**2.86%**

In the manager's summary, discuss the reasor

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	2,000	kWh
Demand	-	kW
Current Loss Factor	1.0341	
Proposed/Approved Loss Factor	1.0341	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 25.65	1	$ 25.65	$ 25.88	1	$ 25.88	$ 0.23	0.90%
Distribution Volumetric Rate	$ 0.0171	2000	$ 34.20	$ 0.0173	2000	$ 34.60	$ 0.40	1.17%
Fixed Rate Riders	$ 0.33	1	$ 0.33	$ 0.56	1	$ 0.56	$ 0.23	69.70%
Volumetric Rate Riders	$ 0.0011	2000	$ 2.20	$ 0.0016	2000	$ 3.20	$ 1.00	45.45%
Sub-Total A (excluding pass through)			**$ 62.38**			**$ 64.24**	**$ 1.86**	**2.98%**
Line Losses on Cost of Power	$ 0.0824	68	$ 5.62	$ 0.0824	68	$ 5.62	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0023	2,000	$ (4.60)	$ -	2,000	$ -	$ 4.60	-100.00%
CBR Class B Rate Riders	$ -	2,000	$ -	$ -	2,000	$ -	$ -	
GA Rate Riders	$ -	2,000	$ -	$ -	2,000	$ -	$ -	
Low Voltage Service Charge	$ -	2,000	$ -		2,000	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		2,000	$ -	$ -	2,000	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 63.97**			**$ 70.43**	**$ 6.46**	**10.10%**
RTSR - Network	$ 0.0064	2,068	$ 13.24	$ 0.0069	2,068	$ 14.27	$ 1.03	7.81% *In the manager's summary, discuss the reasor*
RTSR - Connection and/or Line and Transformation Connection	$ 0.0053	2,068	$ 10.96	$ 0.0054	2,068	$ 11.17	$ 0.21	1.89%
Sub-Total C - Delivery (including Sub-Total B)			**$ 88.16**			**$ 95.87**	**$ 7.70**	**8.73%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	2,068	$ 7.03	$ 0.0034	2,068	$ 7.03	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	2,068	$ 1.03	$ 0.0005	2,068	$ 1.03	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
TOU - Off Peak	$ 0.0650	1,300	$ 84.50	$ 0.0650	1,300	$ 84.50	$ -	0.00%
TOU - Mid Peak	$ 0.0940	340	$ 31.96	$ 0.0940	340	$ 31.96	$ -	0.00%
TOU - On Peak	$ 0.1340	360	$ 48.24	$ 0.1340	360	$ 48.24	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 261.18**			**$ 268.88**	**$ 7.70**	**2.95%**
HST	13%		$ 33.95	13%		$ 34.95	$ 1.00	2.95%
8% Rebate	8%		$ (20.89)	8%		$ (21.51)	$ (0.62)	
Total Bill on TOU			**$ 274.24**			**$ 282.33**	**$ 8.09**	**2.95%**

Customer Class:	**GENERAL SERVICE 50 TO 699 KW SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**182,500**	**kWh**
Demand	**500**	**kW**
Current Loss Factor	**1.0341**	
Proposed/Approved Loss Factor	**1.0341**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	**$ 127.98**	1	$ 127.98	**$ 129.13**	**1**	**$ 129.13**	$ 1.15	0.90%
Distribution Volumetric Rate	**$ 2.8986**	500	$ 1,449.30	**$ 2.9247**	**500**	**$ 1,462.35**	$ 13.05	0.90%
Fixed Rate Riders	**$ 1.86**	1	$ 1.86	**$ 2.83**	**1**	**$ 2.83**	$ 0.97	52.15%
Volumetric Rate Riders	**$ 0.0641**	500	$ 32.05	**$ 0.1205**	**500**	**$ 60.25**	$ 28.20	87.99%
Sub-Total A (excluding pass through)			**$ 1,611.19**			**$ 1,654.56**	**$ 43.37**	**2.69%**
Line Losses on Cost of Power	**$ -**	-	$ -	**$ -**	**-**	**$ -**	$ -	
Total Deferral/Variance Account Rate Riders	**-$ 0.8166**	500	$ (408.30)	**$ -**	**500**	**$ -**	$ 408.30	-100.00%
CBR Class B Rate Riders	**$ -**	500	$ -	**$ -**	**500**	**$ -**	$ -	
GA Rate Riders	**$ 0.0009**	182,500	$ 164.25	**$ -**	**182,500**	**$ -**	$ (164.25)	-100.00%
Low Voltage Service Charge	**$ -**	500	$ -		**500**	**$ -**	$ -	
Smart Meter Entity Charge (if applicable)	**$ -**	1	$ -	**$ -**	**1**	**$ -**	$ -	
Additional Fixed Rate Riders	**$ -**	1	$ -	**$ -**	**1**	**$ -**	$ -	
Additional Volumetric Rate Riders		500	$ -	**$ -**	**500**	**$ -**	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 1,367.14**			**$ 1,654.56**	**$ 287.42**	**21.02%**
RTSR - Network	**$ 2.4987**	500	$ 1,249.35	**$ 2.7094**	**500**	**$ 1,354.70**	$ 105.35	8.43% *In the manager's summary, discuss the reasor*
RTSR - Connection and/or Line and Transformation Connection	**$ 2.1236**	500	$ 1,061.80	**$ 2.1685**	**500**	**$ 1,084.25**	$ 22.45	2.11%
Sub-Total C - Delivery (including Sub-Total B)			**$ 3,678.29**			**$ 4,093.51**	**$ 415.22**	**11.29%**
Wholesale Market Service Charge (WMSC)	**$ 0.0034**	188,723	$ 641.66	**$ 0.0034**	**188,723**	**$ 641.66**	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	**$ 0.0005**	188,723	$ 94.36	**$ 0.0005**	**188,723**	**$ 94.36**	$ -	0.00%
Standard Supply Service Charge	**$ 0.25**	1	$ 0.25	**$ 0.25**	**1**	**$ 0.25**	$ -	0.00%
Average IESO Wholesale Market Price	**$ 0.1121**	188,723	$ 21,155.88	**$ 0.1121**	**188,723**	**$ 21,155.88**	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 25,570.44**			**$ 25,985.66**	**$ 415.22**	**1.62%**
HST	13%		$ 3,324.16	13%		$ 3,378.14	$ 53.98	1.62%
Total Bill on Average IESO Wholesale Market Price			**$ 28,894.59**			**$ 29,363.79**	**$ 469.20**	**1.62%**

Customer Class:	**GENERAL SERVICE 700 TO 4,999 KW SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**627,216**	**kWh**
Demand	**1,432**	**kW**
Current Loss Factor	**1.0341**	
Proposed/Approved Loss Factor	**1.0341**	

	Current OEB-Approved			Proposed			Impact		
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change	
Monthly Service Charge	$ 1,154.71	1	$ 1,154.71	$ 1,165.10	1	$ 1,165.10	$ 10.39	0.90%	
Distribution Volumetric Rate	$ 3.3649	1432	$ 4,818.54	$ 3.3952	1432	$ 4,861.93	$ 43.39	0.90%	
Fixed Rate Riders	$ 17.52	1	$ 17.52	$ 25.52	1	$ 25.52	$ 8.00	45.66%	
Volumetric Rate Riders	$ 0.0640	1432	$ 91.65	$ 0.1202	1432	$ 172.13	$ 80.48	87.81%	
Sub-Total A (excluding pass through)			**$ 6,082.41**			**$ 6,224.67**	**$ 142.26**	**2.34%**	
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -		
Total Deferral/Variance Account Rate Riders	-$ 0.9593	1,432	$ (1,373.72)	$ -	1,432	$ -	$ 1,373.72	-100.00%	
CBR Class B Rate Riders	$ -	1,432	$ -	$ -	1,432	$ -	$ -		
GA Rate Riders	$ 0.0009	627,216	$ 564.49	$ -	627,216	$ -	$ (564.49)	-100.00%	
Low Voltage Service Charge	$ -	1,432	$ -		1,432	$ -	$ -		
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Volumetric Rate Riders		1,432	$ -	$ -	1,432	$ -	$ -		
Sub-Total B - Distribution (includes Sub-Total A)			**$ 5,273.19**			**$ 6,224.67**	**$ 951.48**	**18.04%**	
RTSR - Network	$ 2.8022	1,432	$ 4,012.75	$ 3.0385	1,432	$ 4,351.13	$ 338.38	8.43%	*In the manager's summary, discuss the reasor*
RTSR - Connection and/or Line and Transformation Connection	$ 2.2827	1,432	$ 3,268.83	$ 2.3309	1,432	$ 3,337.85	$ 69.02	2.11%	
Sub-Total C - Delivery (including Sub-Total B)			**$ 12,554.77**			**$ 13,913.65**	**$ 1,358.89**	**10.82%**	
Wholesale Market Service Charge (WMSC)	$ 0.0034	648,604	$ 2,205.25	$ 0.0034	648,604	$ 2,205.25	$ -	0.00%	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	648,604	$ 324.30	$ 0.0005	648,604	$ 324.30	$ -	0.00%	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%	
Average IESO Wholesale Market Price	$ 0.1121	648,604	$ 72,708.52	$ 0.1121	648,604	$ 72,708.52	$ -	0.00%	
Total Bill on Average IESO Wholesale Market Price			**$ 87,793.09**			**$ 89,151.98**	**$ 1,358.89**	**1.55%**	
HST	13%		$ 11,413.10	13%		$ 11,589.76	$ 176.66	1.55%	
Total Bill on Average IESO Wholesale Market Price			**$ 99,206.19**			**$ 100,741.73**	**$ 1,535.54**	**1.55%**	

Customer Class:	**LARGE USE SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**10,220,000**	**kWh**
Demand	**20,000**	**kW**
Current Loss Factor	**1.0145**	
Proposed/Approved Loss Factor	**1.0145**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 4,804.99	1	$ 4,804.99	$ 4,848.23	1	$ 4,848.23	$ 43.24	0.90%
Distribution Volumetric Rate	$ 2.5476	20000	$ 50,952.00	$ 2.5705	20000	$ 51,410.00	$ 458.00	0.90%
Fixed Rate Riders	$ 74.76	1	$ 74.76	$ 106.19	1	$ 106.19	$ 31.43	42.04%
Volumetric Rate Riders	$ 0.0827	20000	$ 1,654.00	$ 0.1150	20000	$ 2,300.00	$ 646.00	39.06%
Sub-Total A (excluding pass through)			**$ 57,485.75**			**$ 58,664.42**	**$ 1,178.67**	**2.05%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	-$ 1.2595	20,000	$ (25,190.00)	$ -	20,000	$ -	$ 25,190.00	-100.00%
CBR Class B Rate Riders	$ -	20,000	$ -	$ -	20,000	$ -	$ -	
GA Rate Riders	-$ 0.0009	########	$ (9,198.00)	$ -	10,220,000	$ -	$ 9,198.00	-100.00%
Low Voltage Service Charge	$ -	20,000	$ -		20,000	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		20,000	$ -	$ -	20,000	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 23,097.75**			**$ 58,664.42**	**$ 35,566.67**	**153.98%**
RTSR - Network	$ 3.1716	20,000	$ 63,432.00	$ 3.4390	20,000	$ 68,780.00	$ 5,348.00	8.43%
RTSR - Connection and/or Line and Transformation Connection	$ 2.6383	20,000	$ 52,766.00	$ 2.6940	20,000	$ 53,880.00	$ 1,114.00	2.11%
Sub-Total C - Delivery (including Sub-Total B)			**$ 139,295.75**			**$ 181,324.42**	**$ 42,028.67**	**30.17%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	########	$ 35,251.85	$ 0.0034	10,368,190	$ 35,251.85	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	########	$ 5,184.10	$ 0.0005	10,368,190	$ 5,184.10	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	########	$ 1,162,274.10	$ 0.1121	10,368,190	$ 1,162,274.10	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 1,342,006.04**			**$ 1,384,034.71**	**$ 42,028.67**	**3.13%**
HST	13%		$ 174,460.79	13%		$ 179,924.51	$ 5,463.73	3.13%
Total Bill on Average IESO Wholesale Market Price			**$ 1,516,466.83**			**$ 1,563,959.22**	**$ 47,492.40**	**3.13%**

In the manager's summary, discuss the reasor

Customer Class:	**UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**RPP**	
Consumption	**21,296**	**kWh**
Demand	**-**	**kW**
Current Loss Factor	**1.0341**	
Proposed/Approved Loss Factor	**1.0341**	

	Current OEB-Approved			Proposed			Impact		
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change	
Monthly Service Charge	$ 1.11	186	$ 206.46	$ 1.12	186	$ 208.32	$ 1.86	0.90%	
Distribution Volumetric Rate	$ 0.0202	21296	$ 430.18	$ 0.0204	21296	$ 434.44	$ 4.26	0.99%	
Fixed Rate Riders	$ 0.02	1	$ 0.02	$ 0.02	1	$ 0.02	$ -	0.00%	
Volumetric Rate Riders	$ 0.0002	21296	$ 4.26	$ 0.0005	21296	$ 10.65	$ 6.39	150.00%	
Sub-Total A (excluding pass through)			**$ 640.92**			**$ 653.43**	**$ 12.51**	**1.95%**	
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -		
Total Deferral/Variance Account Rate Riders	-$ 0.0023	21,296	$ (48.98)	$ -	21,296	$ -	$ 48.98	-100.00%	
CBR Class B Rate Riders	$ -	21,296	$ -	$ -	21,296	$ -	$ -		
GA Rate Riders	$ -	21,296	$ -	$ -	21,296	$ -	$ -		
Low Voltage Service Charge	$ -	21,296	$ -		21,296	$ -	$ -		
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Volumetric Rate Riders		21,296	$ -	$ -	21,296	$ -	$ -		
Sub-Total B - Distribution (includes Sub-Total A)			**$ 591.94**			**$ 653.43**	**$ 61.49**	**10.39%**	
RTSR - Network	$ 0.0064	22,022	$ 140.94	$ 0.0069	22,022	$ 151.95	$ 11.01	7.81%	*In the manager's summary, discuss the reasor*
RTSR - Connection and/or Line and Transformation Connection	$ 0.0053	22,022	$ 116.72	$ 0.0054	22,022	$ 118.92	$ 2.20	1.89%	
Sub-Total C - Delivery (including Sub-Total B)			**$ 849.60**			**$ 924.30**	**$ 74.70**	**8.79%**	
Wholesale Market Service Charge (WMSC)	$ 0.0034	22,022	$ 74.88	$ 0.0034	22,022	$ 74.88	$ -	0.00%	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	22,022	$ 11.01	$ 0.0005	22,022	$ 11.01	$ -	0.00%	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%	
TOU - Off Peak	$ 0.0650	14,314	$ 930.44	$ 0.0650	14,314	$ 930.44	$ -	0.00%	
TOU - Mid Peak	$ 0.0940	3,744	$ 351.91	$ 0.0940	3,744	$ 351.91	$ -	0.00%	
TOU - On Peak	$ 0.1340	3,964	$ 531.18	$ 0.1340	3,964	$ 531.18	$ -	0.00%	
Total Bill on TOU (before Taxes)			**$ 2,749.26**			**$ 2,823.96**	**$ 74.70**	**2.72%**	
HST	13%		$ 357.40	13%		$ 367.12	$ 9.71	2.72%	
Total Bill on TOU			**$ 3,106.67**			**$ 3,191.08**	**$ 84.41**	**2.72%**	

Customer Class:	**STREET LIGHTING SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**2,787,508**	**kWh**
Demand	**7,922**	**kW**
Current Loss Factor	**1.0341**	
Proposed/Approved Loss Factor	**1.0341**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 2.35	20614	$ 48,442.90	$ 2.37	20614	$ 48,855.18	$ 412.28	0.85%
Distribution Volumetric Rate	$ 11.7823	7922	$ 93,339.38	$ 11.8883	7922	$ 94,179.11	$ 839.73	0.90%
Fixed Rate Riders	$ 0.03	1	$ 0.03	$ 0.05	1	$ 0.05	$ 0.02	66.67%
Volumetric Rate Riders	$ 0.1112	7922	$ 880.93	$ 0.2604	7922	$ 2,062.89	$ 1,181.96	134.17%
Sub-Total A (excluding pass through)			**$ 142,663.24**			**$ 145,097.23**	**$ 2,433.99**	**1.71%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	-$ 0.7793	7,922	$ (6,173.61)	$ -	7,922	$ -	$ 6,173.61	-100.00%
CBR Class B Rate Riders	$ -	7,922	$ -	$ -	7,922	$ -	$ -	
GA Rate Riders	$ 0.0004	2,787,508	$ 1,115.00	$ -	2,787,508	$ -	$ (1,115.00)	-100.00%
Low Voltage Service Charge	$ -	7,922	$ -		7,922	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		7,922	$ -	$ -	7,922	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 137,604.63**			**$ 145,097.23**	**$ 7,492.61**	**5.45%**
RTSR - Network	$ 2.0806	7,922	$ 16,482.51	$ 2.2560	7,922	$ 17,872.03	$ 1,389.52	8.43%
RTSR - Connection and/or Line and Transformation Connection	$ 1.7680	7,922	$ 14,006.10	$ 1.8053	7,922	$ 14,301.59	$ 295.49	2.11%
Sub-Total C - Delivery (including Sub-Total B)			**$ 168,093.23**			**$ 177,270.85**	**$ 9,177.62**	**5.46%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	2,882,562	$ 9,800.71	$ 0.0034	2,882,562	$ 9,800.71	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	2,882,562	$ 1,441.28	$ 0.0005	2,882,562	$ 1,441.28	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	2,882,562	$ 323,135.20	$ 0.1121	2,882,562	$ 323,135.20	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 502,470.68**			**$ 511,648.29**	**$ 9,177.62**	**1.83%**
HST	13%		$ 65,321.19	13%		$ 66,514.28	$ 1,193.09	1.83%
Total Bill on Average IESO Wholesale Market Price			**$ 567,791.87**			**$ 578,162.57**	**$ 10,370.71**	**1.83%**

In the manager's summary, discuss the reasor

Customer Class:	**STANDBY POWER SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**-**	**kWh**
Demand	**4,548**	**kW**
Current Loss Factor	**1.0341**	
Proposed/Approved Loss Factor	**1.0341**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ -	1	$ -	$ -	1	$ -	$ -	
Distribution Volumetric Rate	$ 1.7134	4548	$ 7,792.54	$ 1.7288	4548	$ 7,862.58	$ 70.04	0.90%
Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Volumetric Rate Riders	$ -	4548	$ -	$ -	4548	$ -	$ -	
Sub-Total A (excluding pass through)			**$ 7,792.54**			**$ 7,862.58**	**$ 70.04**	**0.90%**
Line Losses on Cost of Power	$ 0.1121	-	$ -	$ 0.1121	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	$ -	4,548	$ -	$ -	4,548	$ -	$ -	
CBR Class B Rate Riders	$ -	4,548	$ -	$ -	4,548	$ -	$ -	
GA Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
Low Voltage Service Charge	$ -	4,548	$ -		4,548	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		4,548	$ -	$ -	4,548	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 7,792.54**			**$ 7,862.58**	**$ 70.04**	**0.90%**
RTSR - Network	$ -	4,548	$ -	$ -	4,548	$ -	$ -	
RTSR - Connection and/or Line and Transformation Connection	$ -	4,548	$ -	$ -	4,548	$ -	$ -	
Sub-Total C - Delivery (including Sub-Total B)			**$ 7,792.54**			**$ 7,862.58**	**$ 70.04**	**0.90%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	-	$ -	$ 0.0034	-	$ -	$ -	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	-	$ -	$ 0.0005	-	$ -	$ -	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	-	$ -	$ 0.1121	-	$ -	$ -	
Total Bill on Average IESO Wholesale Market Price			**$ 7,792.79**			**$ 7,862.83**	**$ 70.04**	**0.90%**
HST	13%		$ 1,013.06	13%		$ 1,022.17	$ 9.11	0.90%
Total Bill on Average IESO Wholesale Market Price			**$ 8,805.86**			**$ 8,885.00**	**$ 79.14**	**0.90%**

Customer Class:	**EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**1,417,701**	**kWh**
Demand	**4,000**	**kW**
Current Loss Factor	**1.0341**	
Proposed/Approved Loss Factor	**1.0341**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 4,247.63	1	$ 4,247.63	$ 4,285.86	1	$ 4,285.86	$ 38.23	0.90%
Distribution Volumetric Rate	$ -	4000	$ -	$ -	4000	$ -	$ -	
Fixed Rate Riders	$ 44.65	1	$ 44.65	$ 93.87	1	$ 93.87	$ 49.22	110.24%
Volumetric Rate Riders	$ -	4000	$ -	$ -	4000	$ -	$ -	
Sub-Total A (excluding pass through)			**$ 4,292.28**			**$ 4,379.73**	**$ 87.45**	**2.04%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	-$ 0.0022	4,000	$ (8.80)	$ -	4,000	$ -	$ 8.80	-100.00%
CBR Class B Rate Riders	$ -	4,000	$ -	$ -	4,000	$ -	$ -	
GA Rate Riders	$ 0.0004	1,417,701	$ 567.08	$ -	1,417,701	$ -	$ (567.08)	-100.00%
Low Voltage Service Charge	$ -	4,000	$ -		4,000	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		4,000	$ -	$ -	4,000	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 4,850.56**			**$ 4,379.73**	**$ (470.83)**	**-9.71%**
RTSR - Network	$ 2.8022	4,000	$ 11,208.80	$ 3.0385	4,000	$ 12,154.00	$ 945.20	8.43%
RTSR - Connection and/or Line and Transformation Connection	$ 2.2827	4,000	$ 9,130.80	$ 2.3309	4,000	$ 9,323.60	$ 192.80	2.11%
Sub-Total C - Delivery (including Sub-Total B)			**$ 25,190.16**			**$ 25,857.33**	**$ 667.17**	**2.65%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	1,466,045	$ 4,984.55	$ 0.0034	1,466,045	$ 4,984.55	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	1,466,045	$ 733.02	$ 0.0005	1,466,045	$ 733.02	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	1,466,045	$ 164,343.60	$ 0.1121	1,466,045	$ 164,343.60	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 195,251.58**			**$ 195,918.75**	**$ 667.17**	**0.34%**
HST	13%		$ 25,382.71	13%		$ 25,469.44	$ 86.73	0.34%
Total Bill on Average IESO Wholesale Market Price			**$ 220,634.29**			**$ 221,388.19**	**$ 753.90**	**0.34%**

In the manager's summary, discuss the reasor

Customer Class:	DISTRIBUTED GENERATION [DGEN] SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	156	kWh
Demand	-	kW
Current Loss Factor	1.0341	
Proposed/Approved Loss Factor	1.0341	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 106.17	1	$ 106.17	$ 107.13	1	$ 107.13	$ 0.96	0.90%
Distribution Volumetric Rate	$ -	156	$ -	$ -	156	$ -	$ -	
Fixed Rate Riders	$ 1.11	1	$ 1.11	$ 2.34	1	$ 2.34	$ 1.23	110.81%
Volumetric Rate Riders	$ -	156	$ -	$ -	156	$ -	$ -	
Sub-Total A (excluding pass through)			**$ 107.28**			**$ 109.47**	**$ 2.19**	**2.04%**
Line Losses on Cost of Power	$ 0.1121	5	$ 0.60	$ 0.1121	5	$ 0.60	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0022	156	$ (0.34)	$ -	156	$ -	$ 0.34	-100.00%
CBR Class B Rate Riders	$ -	156	$ -	$ -	156	$ -	$ -	
GA Rate Riders	$ 0.0004	156	$ 0.06	$ -	156	$ -	$ (0.06)	-100.00%
Low Voltage Service Charge	$ -	156	$ -		156	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		156	$ -	$ -	156	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 107.60**			**$ 110.07**	**$ 2.47**	**2.30%**
RTSR - Network	$ 0.0064	161	$ 1.03	$ 0.0069	161	$ 1.11	$ 0.08	7.81% *In the manager's summary, discuss the reasor*
RTSR - Connection and/or Line and Transformation Connection	$ 0.0053	161	$ 0.85	$ 0.0054	161	$ 0.87	$ 0.02	1.89%
Sub-Total C - Delivery (including Sub-Total B)			**$ 109.48**			**$ 112.05**	**$ 2.57**	**2.35%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	161	$ 0.55	$ 0.0034	161	$ 0.55	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	161	$ 0.08	$ 0.0005	161	$ 0.08	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	156	$ 17.49	$ 0.1121	156	$ 17.49	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 127.85**			**$ 130.42**	**$ 2.57**	**2.01%**
HST	13%		$ 16.62	13%		$ 16.95	$ 0.33	2.01%
Total Bill on Average IESO Wholesale Market Price			**$ 144.47**			**$ 147.37**	**$ 2.90**	**2.01%**

Customer Class:	**ENERGY FROM WASTE SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**-**	**kWh**
Demand	**-**	**kW**
Current Loss Factor	**1.0341**	
Proposed/Approved Loss Factor	**1.0341**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 64.42	1	$ 64.42	$ 65.00	1	$ 65.00	$ 0.58	0.90%
Distribution Volumetric Rate	$ -	0	$ -	$ -	0	$ -	$ -	
Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Volumetric Rate Riders	$ -	0	$ -	$ -	0	$ -	$ -	
Sub-Total A (excluding pass through)			**$ 64.42**			**$ 65.00**	**$ 0.58**	**0.90%**
Line Losses on Cost of Power	$ 0.1121	-	$ -	$ 0.1121	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
CBR Class B Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
GA Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
Low Voltage Service Charge	$ -	-	$ -		-	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		-	$ -	$ -	-	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 64.42**			**$ 65.00**	**$ 0.58**	**0.90%**
RTSR - Network	$ -	-	$ -	$ -	-	$ -	$ -	
RTSR - Connection and/or Line and Transformation Connection	$ -	-	$ -	$ -	-	$ -	$ -	
Sub-Total C - Delivery (including Sub-Total B)			**$ 64.42**			**$ 65.00**	**$ 0.58**	**0.90%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	-	$ -	$ 0.0034	-	$ -	$ -	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	-	$ -	$ 0.0005	-	$ -	$ -	
Standard Supply Service Charge	$ 0.25	0	$ -	$ 0.25	0	$ -	$ -	
Average IESO Wholesale Market Price	$ 0.1121	-	$ -	$ 0.1121	-	$ -	$ -	
Total Bill on Average IESO Wholesale Market Price			**$ 64.42**			**$ 65.00**	**$ 0.58**	**0.90%**
HST	13%		$ 8.37	13%		$ 8.45	$ 0.08	0.90%
Total Bill on Average IESO Wholesale Market Price			**$ 72.79**			**$ 73.45**	**$ 0.66**	**0.90%**

G-STAFF-1
ATTACHMENT 2 – RGM ERZ

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Version 2.0

Utility Name	Alectra Utilities Corporation
Service Territory	Enersource Rate Zone
Assigned EB Number	EB-2019-0018
Name of Contact and Title	Indy J. Butany-DeSouza, Vice-President, Regulatory Affairs
Phone Number	905-821-5727
Email Address	indy.butany@alectrautilities.com
We are applying for rates effective	Wednesday, January 01, 2020
Rate-Setting Method	**Price Cap IR**

1. Select the last Cost of Service rebasing year	**2017**
2. Select the year that the balances of Accounts 1588 and 1589 were last approved for disposition ***(e.g. If 2017 balances were approved for disposition in the 2019 rate application, select 2017)***	**2017**
3. Select the year that the balances of the remaining Group 1 DVAs were last approved for disposition	**2017**
4. Select the earliest vintage year in which there is a balance in Account 1595 ***(e.g. If 2016 is the earliest vintage year in which there is a balance in a 1595 sub-account, select 2016)***	**2013**
5. Did you have any Class A customers at any point during the period that the Account 1589 balance accumulated (i.e. from the year the balance was last disposed to the year requested for disposition)?	**Yes**
6. Did you have any customers classified as Class A at any point during the period where the balance in Account 1580, Sub-account CBR Class B accumulated (i.e. from the year the balance was last disposed to the year requested for disposition)?	**Yes**
7. Retail Transmission Service Rates: Alectra Utilities Corporation is:	**Transmission Connected**
8. Have you transitioned to fully fixed rates?	**Yes**

Legend

- Pale green cells represent input cells.
- Pale blue cells represent drop-down lists. The applicant should select the appropriate item from the drop-down list.
- Red cells represents flags to identify either non-matching values or incorrect user selections.
- Pale grey cell represent auto-populated RRR data.
- White cells contain fixed values, automatically generated values or formulae.

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

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

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date February 1, 2019
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2018-0016

RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to all residential services including, without limitation, single family or single unit dwellings, multifamily dwellings, row-type dwellings and subdivision developments. Energy is supplied in single phase, 3-wire, or three phase, 4 wire, having a nominal voltage of 120/240 volts. There shall be only one delivery point to a dwelling. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	24.25
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.03
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.12
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.16
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	0.6
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Low Voltage Service Rate	$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on an Interim Basis	$/kWh	0.0019
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 - Applicable only for Non-RPP Customers	$/kWh	-0.0005
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kWh	-0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	-0.0007
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 -Applicable Only for Class B Customers	$/kWh	-0.00005

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Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kWh	0.0002
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kWh	-0.0002
Retail Transmission Rate - Network Service Rate	$/kWh	0.0076
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0073

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MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
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GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	44.52
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.1
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.21
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.29
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	1.1
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Distribution Volumetric Rate	$/kWh	0.013
Low Voltage Service Rate	$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on an Interim Basis	$/kWh	0.0019
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 - Applicable only for Non-RPP Customers	$/kWh	-0.0005
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kWh	-0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	-0.0007
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 - Applicable Only for Class B Customers	$/kWh	-0.00005
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kWh	0.0003

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Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kWh	0.0006
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0003
Retail Transmission Rate - Network Service Rate	$/kWh	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0065

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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GENERAL SERVICE 50 TO 499 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 500 kW. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

Billing demands are established at the greater of 100% of the kW, or 90% of the kVA amounts.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	78.41
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.75
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.38
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.51
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	1.93
Distribution Volumetric Rate	$/kW	4.7189
Low Voltage Service Rate	$/kW	0.0802
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants - Approved on an Interim Basis	$/kWh	0.0019
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants	$/kWh	-0.0005
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kW	0.2394
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 Applicable only for Non-Wholesale Market Participants - Approved on an Interim Basis	$/kW	-0.379
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	0.1005
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019 - Applicable only for Non-Wholesale Market Participants	$/kW	-0.3538

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Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Non-Wholesale Market Participants Class B Customers	$/kW	-0.01606
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.229
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	0.4585
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0226
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0308
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kW	0.1163
Retail Transmission Rate - Network Service Rate	$/kW	2.7289
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5929

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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Enersource Rate Zone
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EB-2018-0016

GENERAL SERVICE 500 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 500 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

Billing demands are established at the greater of 100% of the kW, or 90% of the kVA amounts.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	1785.59
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	3.96
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	8.54

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Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	11.65
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	44
Distribution Volumetric Rate	$/kW	2.4282
Low Voltage Service Rate	$/kW	0.0784
Rate Rider for Disposition of Global Adjustment Account (2019) - effective May 1, 2019 until December 31, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants - Approved on an Interim Basis	$/kWh	0.0026
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants	$/kWh	-0.0005
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kW	0.3019
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 Applicable only for Non-Wholesale Market Participants - Approved on an Interim Basis	$/kW	-0.4774
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective May 1, 2018 until April 30, 2019	$/kW	0.1272
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019 - Applicable only for Non-Wholesale Market Participants	$/kW	-0.4465
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Non-Wholesale Market Participants Class B Customers	$/kW	-0.01999
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.1001
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	0.141
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0116
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0158
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0598
Retail Transmission Rate - Network Service Rate	$/kW	2.6402
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5373

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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LARGE USE SERVICE CLASSIFICATION

This classification refers to an account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

Billing demands are established at the greater of 100% of the kW, or 90% of the kVA amounts.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	14078.67
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	64.34
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	67.35
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	91.89

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Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	346.9
Distribution Volumetric Rate	$/kW	3.0139
Low Voltage Service Rate	$/kW	0.0838
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kW	-0.2264
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	-0.4054
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.0941
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	0.088
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0144
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0197
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0743
Retail Transmission Rate - Network Service Rate – Interval Metered	$/kW	2.8174
Retail Transmission Rate - Line and Transformation Connection Service Rate – Interval Metered	$/kW	2.71

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	$	9.19
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.02
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.04
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.06
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	0.23
Distribution Volumetric Rate	$/kWh	0.0167
Low Voltage Service Rate	$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants - Approved on an Interim Basis	$/kWh	0.0019
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants	$/kWh	-0.0005
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kWh	-0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	-0.0007

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Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 - Applicable Only for Class B Customers	$/kWh	-0.00005
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	$/kWh	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0065

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting. Street Lighting is unmetered where energy consumption is estimated based on the connected wattage and calculated hours of use using methods established by the Ontario Energy Board. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per luminaire)	$	1.54
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.01
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.01
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	0.04
Distribution Volumetric Rate	$/kW	11.7902
Low Voltage Service Rate	$/kW	0.058
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants - Approved on an Interim Basis	$/kWh	0.0019
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants	$/kWh	-0.0005
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kW	-0.146
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	-0.2616
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Non-Wholesale Market Participants Class B Customers	$/kW	-0.01655
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	-4.2132

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Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	-33.3532
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0564
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.077
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kW	0.2905
Retail Transmission Rate - Network Service Rate	$/kW	1.8899
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.875

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that requires Alectra Utilities to provide distribution service on a standby basis as a back-up supply to an on-site generator. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

A Standby Service Charge will be applied for a month where standby power is not provided. The applicable rate is the approved Distribution Volumetric Rate of the applicable service class and is applied to gross metered demand or contracted amount, whichever is greater. A monthly administration charge of $200, for simple metering arrangements, or $500, for complex metering arrangements, will also be applied.		
General Service 50 to 499 kW Service Classification - A Standby Service Charge will be applied for a month where standby power is not provided. The applicable rate is the approved Distribution Volumetric Rate of the applicable service class and is applied to gross metered demand or contracted amount, whichever is greater.	$/kW	4.7189
General Service 500 to 4,999 kW Service Classification - A Standby Service Charge will be applied for a month where standby power is not provided. The applicable rate is the approved Distribution Volumetric Rate of the applicable service class and is applied to gross metered demand or contracted amount, whichever is greater.	$/kW	2.4282
Large Use Service Classification - A Standby Service Charge will be applied for a month where standby power is not provided. The applicable rate is the approved Distribution Volumetric Rate of the applicable service class and is applied to gross metered demand or contracted amount, whichever is greater.	$/kW	3.0139

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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	5.4

ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month	$/kW	(0.40)
Primary Metering Allowance for transformer losses - applied to measured demand and energy	%	-1

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

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

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

Customer Administration

Arrears certificate	$	15
Request for other billing information	$	15
Credit reference/credit check (plus credit agency costs)	$	15
Credit reference/credit check (plus credit agency costs – General Service)	$	25
Income tax letter	$	15
Returned cheque (plus bank charges)	$	12.5
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	$	30
Account set up charge/change of occupancy charge (plus credit agency costs if applicable – Residential)	$	20
Meter dispute charge plus Measurement Canada fees (if meter found correct)	$	10
Special meter reads	$	30
Interval meter request change	$	40

Non-Payment of Account

Late payment - per month	%	1.5
Late payment - per annum	%	19.56
Collection of account charge – no disconnection	$	9
Disconnect/reconnect at meter - during regular hours	$	20
Disconnect/reconnect at pole - during regular hours	$	185
Disconnect/reconnect at pole - after regular hours	$	415

Other

Temporary service install and remove – overhead – no transformer	$	400
Specific Charge for Access to the Power Poles - $/pole/year (with the exception of wireless attachments) - in effect from January 1, 2019	$	43.63

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RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	$	100
Monthly fixed charge, per retailer	$	20
Monthly variable charge, per customer, per retailer	$/cust.	0.5
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.3
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	-0.3
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.25
Processing fee, per request, applied to the requesting party	$	0.5
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

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	1.036
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0256
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

		2013									
Account Descriptions	**Account Number**	**Opening Principal Amounts as of Jan 1, 2013**	**Transactions Debit / (Credit) during 2013**	**OEB-Approved Disposition during 2013**	**Principal Adjustments[1] during 2013**	**Closing Principal Balance as of Dec 31, 2013**	**Opening Interest Amounts as of Jan 1, 2013**	**Interest Jan 1 to Dec 31, 2013**	**OEB-Approved Disposition during 2013**	**Interest Adjustments[1] during 2013**	**Closing Interest Amounts as of Dec 31, 2013**
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge[5]	1580					0					0
Variance WMS – Sub-account CBR Class A[5]	1580					0					0
Variance WMS – Sub-account CBR Class B[5]	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power[4]	1588					0					0
RSVA - Global Adjustment[4]	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2014)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3]											
Not to be disposed of until a year after rate rider has expired and that balance has been audited	1595					0					0
RSVA - Global Adjustment	**1589**	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance		0	0	0	0	0	0	0	0	0	0
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**										
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

2014										2015									
Opening Principal Amounts as of Jan 1, 2014	Transactions Debit / (Credit) during 2014	OEB-Approved Disposition during 2014	Principal Adjustments[1] during 2014	Closing Principal Balance as of Dec 31, 2014	Opening Interest Amounts as of Jan 1, 2014	Interest Jan 1 to Dec 31, 2014	OEB-Approved Disposition during 2014	Interest Adjustments[1] during 2014	Closing Interest Amounts as of Dec 31, 2014	Opening Principal Amounts as of Jan 1, 2015	Transactions Debit / (Credit) during 2015	OEB-Approved Disposition during 2015	Principal Adjustments[1] during 2015	Closing Principal Balance as of Dec 31, 2015	Opening Interest Amounts as of Jan 1, 2015	Interest Jan 1 to Dec 31, 2015	OEB-Approved Disposition during 2015	Interest Adjustments[1] during 2015	Closing Interest Amounts as of Dec 31, 2015
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61,419	12,857			74,276	5,868	689			6,557	74,276	2,209,737			2,284,013	6,557	63,437			69,994
61,419	12,857	0	0	74,276	5,868	689	0	0	6,557	74,276	2,209,737	0	0	2,284,013	6,557	63,437	0	0	69,994

2016										2017									
Opening Principal Amounts as of Jan 1, 2016	Transactions Debit / (Credit) during 2016	OEB-Approved Disposition during 2016	Principal Adjustments[1] during 2016	Closing Principal Balance as of Dec 31, 2016	Opening Interest Amounts as of Jan 1, 2016	Interest Jan 1 to Dec 31, 2016	OEB-Approved Disposition during 2016	Interest Adjustments[1] during 2016	Closing Interest Amounts as of Dec 31, 2016	Opening Principal Amounts as of Jan 1, 2017	Transactions Debit / (Credit) during 2017	OEB-Approved Disposition during 2017	Principal Adjustments[1] during 2017	Closing Principal Balance as of Dec 31, 2017	Opening Interest Amounts as of Jan 1, 2017	Interest Jan 1 to Dec 31, 2017	OEB-Approved Disposition during 2017	Interest Adjustments[1] during 2017	Closing Interest Amounts as of Dec 31, 2017
0				0	0				0	0			4,670,070	4,670,070	0			58,545	58,545
0				0	0				0	0			(60,256)	(60,256)	0			(836)	(836)
0				0	0				0	0			(14,151,704)	(14,151,704)	0			(187,556)	(187,556)
0				0	0				0	0			0	0	0			0	0
0				0	0				0	0			(240,043)	(240,043)	0			(4,621)	(4,621)
0				0	0				0	0			1,396,122	1,396,122	0			5,767	5,767
0				0	0				0	0			382,215	382,215	0			18,511	18,511
0				0	0				0	0			(30,944)	(30,944)	0			(44,844)	(44,844)
0				0	0				0	0			3,535,487	3,535,487	0			60,194	60,194
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0	(11,165,511)	(11,106,926)		(58,585)	0	494,809	441,506		53,303	(58,585)	(13,771)			(72,356)	53,303	(683)			52,620
0				0	0				0	0	7,385,427	7,383,983		1,444	0	79,526	119,045		(39,519)
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0	0	0	0	0	0	0	0	0	0	0	0	0	3,535,487	3,535,487	0	0	0	60,194	60,194
0	(11,165,511)	(11,106,926)	0	(58,585)	0	494,809	441,506	0	53,303	(58,585)	7,371,657	7,383,983	(8,034,542)	(8,105,453)	53,303	78,843	119,045	(155,034)	(141,933)
0	(11,165,511)	(11,106,926)	0	(58,585)	0	494,809	441,506	0	53,303	(58,585)	7,371,657	7,383,983	(4,499,055)	(4,569,966)	53,303	78,843	119,045	(94,840)	(81,739)
2,284,013	1,131,354			3,415,367	69,994	29,555			99,548	3,415,367	2,243,434			5,658,801	99,548	45,357			144,905
2,284,013	(10,034,157)	(11,106,926)	0	3,356,782	69,994	524,364	441,506	0	152,851	3,356,782	9,615,091	7,383,983	(4,499,055)	1,088,834	152,851	124,201	119,045	(94,840)	63,166

2018										2019				Projected Interest on Dec-31-18 Balances					2.1.7 RRR	
Opening Principal Amounts as of Jan 1, 2018	Transactions Debit / (Credit) during 2018	OEB-Approved Disposition during 2018	Principal Adjustments[1] during 2018	Closing Principal Balance as of Dec 31, 2018	Opening Interest Amounts as of Jan 1, 2018	Interest Jan 1 to Dec 31, 2018	OEB-Approved Disposition during 2018	Interest Adjustments[1] during 2018	Closing Interest Amounts as of Dec 31, 2018	Principal Disposition during 2019 - instructed by OEB	Interest Disposition during 2019 - instructed by OEB	Closing Principal Balances as of Dec 31, 2018 Adjusted for Disposition during 2019	Closing Interest Balances as of Dec 31, 2018 Adjusted for Disposition during 2019	Projected Interest from Jan 1, 2019 to Dec 31, 2019 on Dec 31, 2018 balance adjusted for disposition during 2019 [2]	Projected Interest from Jan 1, 2020 to Apr 30, 2020 on Dec 31, 2018 balance adjusted for disposition during 2019 [2]	Total Interest	Total Claim	Account Disposition: Yes/No?	As of Dec 31, 2018	Variance RRR vs. 2018 Balance *(Principal + Interest)*
4,670,070	1,802,979	2,290,282		4,182,767	58,545	76,498	55,806		79,237	2,379,788	51,921	1,802,979	27,316	40,522		67,838	1,870,817		4,262,004	0
(60,256)	(143,033)	(33,444)		(169,846)	(836)	(2,744)	(904)		(2,676)	(26,813)	(486)	(143,033)	(2,190)	(3,215)		(5,405)	(148,438)		(172,522)	0
(14,151,704)	336,041	(6,868,015)		(6,947,648)	(187,556)	(186,048)	(175,054)		(198,549)	(7,283,689)	(163,032)	336,041	(35,517)	7,553		(27,965)	308,076		(7,146,197)	0
0		0		0	0		0		0	0	0	0	0	0		0	0		0	0
(240,043)	(509,498)	(275,214)		(474,327)	(4,621)	(6,795)	(7,212)		(4,203)	35,171	3,318	(509,498)	(7,521)	(11,451)		(18,972)	(528,470)		(478,530)	0
1,396,122	193,878	(568,201)		2,158,200	5,767	17,161	126		22,802	1,964,323	46,237	193,878	(23,435)	4,357		(19,078)	174,799		2,181,002	(0)
382,215	4,539,133	333,842		4,587,506	18,511	61,616	14,778		65,349	48,373	4,733	4,539,133	60,616	102,017		162,633	4,701,766		4,652,855	0
(30,944)	(4,154,228)	(350,628)	(370,191)	(4,204,735)	(44,844)	(18,099)	(27,687)		(35,256)	319,684	(10,550)	(4,524,419)	(24,706)	(101,686)		(126,392)	(4,650,811)	Yes	(5,371,543)	(1,131,552)
3,535,487	(8,449,465)	(1,860,431)	(758,149)	(3,811,695)	60,194	27,103	10,117		77,181	5,395,918	161,593	(9,207,614)	(84,412)	(206,941)		(291,353)	(9,498,967)	Yes	(5,020,638)	(1,286,123)
0				0	0				0			0	0	0		0	0	No	0	0
0				0	0				0			0	0	0		0	0	No	0	0
0				0	0				0			0	0	0		0	0	No	0	0
(72,356)		(58,585)		(13,771)	52,620	(499)	52,288		(167)			(13,771)	(167)	(309)		(477)	0	No	(13,937)	0
1,444	(29,842)			(28,398)	(39,519)	190	0		(39,328)			(28,398)	(39,328)	(638)		(39,967)	(68,364)	Yes	(67,726)	0
0	3,471,339	5,415,410		(1,944,071)	0	(41,571)	(36,898)		(4,674)			(1,944,071)	(4,674)	(43,693)		(48,367)	0	No	(1,948,745)	0
0				0	0				0	(4,771,217)	(166,830)	4,771,217	166,830	107,233		274,063	0	No		0
3,535,487	(8,449,465)	(1,860,431)	(758,149)	(3,811,695)	60,194	27,103	10,117	0	77,181	5,395,918	161,593	(9,207,614)	(84,412)	(206,941)	0	(291,353)	(9,498,967)		(5,020,638)	(1,286,123)
(8,105,453)	5,506,768	(114,554)	(370,191)	(2,854,322)	(141,933)	(100,291)	(124,757)	0	(117,467)	(7,334,380)	(234,689)	4,480,058	117,222	100,689	0	217,912	1,659,373		(3,624,810)	(653,021)
(4,569,966)	(2,942,696)	(1,974,985)	(1,128,340)	(6,666,018)	(81,739)	(73,188)	(114,640)	0	(40,286)	2,832,756	(73,096)	(4,727,556)	32,810	(106,252)	0	(73,442)	(7,839,594)		(8,645,448)	(1,939,144)
5,658,801	2,903,714	1,974,985		6,587,530	144,905	116,480	114,641		146,745	1,938,462	73,096	4,649,068	73,648	104,488		178,136	4,827,204		6,734,274	0
1,088,834	(38,982)	0	(1,128,340)	(78,488)	63,166	43,293	0	0	106,458	4,771,217	0	(78,488)	106,458	(1,764)	0	104,694	(3,012,389)		(1,911,173)	(1,939,144)

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Data on this worksheet has been populated using your most recent RRR filing.

If you have identified any issues, please contact the OEB.

Have you confirmed the accuracy of the data below?

If a distributor uses the actual GA price to bill non-RPP Class B customers for an entire rate class, it must exclude these customers from the allocation of the GA balance and the calculation of the resulting rate riders. These rate classes are not to be charged/refunded the general GA rate rider as they did not contribute to the GA balance.

Please contact the OEB to make adjustments to the IRM rate generator for this situation.

Rate Class	Unit	Total Metered kWh	Total Metered kW	Metered kWh for Non-RPP Customers (excluding WMP)	Metered kW for Non-RPP Customers (excluding WMP)	Metered kWh for Wholesale Market Participants (WMP)	Metered kW for Wholesale Market Participants (WMP)	Total Metered kWh less WMP consumption *(if applicable)*	Total Metered kW less WMP consumption *(if applicable)*	1595 Recovery Proportion (2017) [1]	1568 LRAM Variance Account Class Allocation ($ amounts)	Number of Customers for Residential and GS<50 classes[3]
RESIDENTIAL SERVICE CLASSIFICATION	kWh	1,490,532,668	0	47,757,736	0	0	0	1,490,532,668	0	20%	489,170	183,533
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	685,616,684	0	91,858,679	0	0	0	685,616,684	0	9%	90,680	18,506
GENERAL SERVICE 50 TO 499 KW SERVICE CLASSIFICATION	kW	2,051,428,808	5,710,411	1,737,284,254	4,887,561	1,343,047	4,363	2,050,085,761	5,706,048	29%	1,582,640	
GENERAL SERVICE 500 TO 4,999 KW SERVICE CLASSIFICATION	kW	2,037,760,513	4,585,778	1,874,772,880	4,243,701	13,999,209	27,950	2,023,761,304	4,557,828	28%	495,376	
LARGE USE SERVICE CLASSIFICATION	kW	977,049,362	1,753,163	977,049,362	1,753,163	0	0	977,049,362	1,753,163	13%	171,187	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	11,437,642	0	444,303	0	0	0	11,437,642	0	0%		
STREET LIGHTING SERVICE CLASSIFICATION	kW	13,289,944	40,572	13,289,944	40,572	0	0	13,289,944	40,572	0%	-104,841	
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0	0%		
	Total	7,267,115,621	12,089,924	4,742,457,158	10,924,997	15,342,256	32,313	7,251,773,365	12,057,611	100%	4,827,204	202,039

Threshold Test

Total Claim (including Account 1568)	($3,012,389)
Total Claim for Threshold Test (All Group 1 Accounts)	($7,839,594)
Threshold Test (Total claim per kWh) [2]	($0.0011)

Currently, the threshold test has been met and the default is that Group 1 account balances will be disposed. If you are requesting not to dispose of the Group 1 account balances, please select NO and provide detailed reasons in the manager's summary.

YES

[1] Residual Account balance to be allocated to rate classes in proportion to the recovery share as established when rate riders were implemented.

[2] The Threshold Test does not include the amount in 1568.

[3] The proportion of customers for the Residential and GS<50 Classes will be used to allocate Account 1551.

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

No input required. This workshseet allocates the deferral/variance account balances (Group 1 and 1568) to the appropriate classes as per EDDVAR dated July 31, 2009

Allocation of Group 1 Accounts (including Account 1568)

Rate Class	% of Total kWh	% of Customer Numbers **	% of Total kWh adjusted for WMP	1550	1551	1580 (allocated based on Total less WMP)	1584	1586	1588 (allocated based on Total less WMP)	1595_(2017)	1568
RESIDENTIAL SERVICE CLASSIFICATION	20.5%	90.8%	20.6%	383,717	(134,842)	63,322	35,853	964,363	(955,930)	(14,004)	489,170
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	9.4%	9.2%	9.5%	176,502	(13,596)	29,127	16,491	443,589	(439,709)	(6,178)	90,680
GENERAL SERVICE 50 TO 499 KW SERVICE CLASSIFICATION	28.2%	0.0%	28.3%	528,111	0	87,093	49,344	1,327,258	(1,314,790)	(20,035)	1,582,640
GENERAL SERVICE 500 TO 4,999 KW SERVICE CLASSIFICATION	28.0%	0.0%	27.9%	524,593	0	85,975	49,015	1,318,415	(1,297,908)	(18,964)	495,376
LARGE USE SERVICE CLASSIFICATION	13.4%	0.0%	13.5%	251,528	0	41,508	23,501	632,143	(626,615)	(8,844)	171,187
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	0.2%	0.0%	0.2%	2,944	0	486	275	7,400	(7,335)	(102)	0
STREET LIGHTING SERVICE CLASSIFICATION	0.2%	0.0%	0.2%	3,421	0	565	320	8,598	(8,523)	(238)	(104,841)
STANDBY POWER SERVICE CLASSIFICATION	0.0%	0.0%	0.0%	0	0	0	0	0	0	0	0
Total	100.0%	100.0%	100.0%	1,870,817	(148,438)	308,076	174,799	4,701,766	(4,650,811)	(68,364)	2,724,213

*** Used to allocate Account 1551 as this account records the variances arising from the Smart Metering Entity Charges to Residential and GS<50 customers.*

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

1a	The year Account 1589 GA was last disposed	2017	
1b	The year Account 1580 CBR Class B was last disposed	2017	Note that the sub-account was established in 2015.
2a	Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1589 GA balance accumulated (i.e. from the year after the balance was last disposed to the current year requested for disposition)?	Yes	(e.g. If you received approval to dispose of the GA variance account balance as at December 31, 2015, the period the GA variance accumulated would be 2016 to 2018.)
2b	Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1580, sub-account CBR Class B balance accumulated (i.e. from the year after the balance was last disposed to the current year requested for disposition)?	Yes	(e.g. If you received approval to dispose of the CBR Class B balance as at December 31, 2016, the period the CBR Class B variance accumulated would be 2017 to 2018.)
3a	Enter the number of transition customer you had during the period the Account 1589 GA or Account 1580 CBR B balance accumulated	33	

Transition Customers - Non-loss Adjusted Billing Determinants by Customer

Customer	Rate Class		2018 January to June	2018 July to December
Customer 1	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,561,331	2,389,174
		kW	6,912	5,984
		Class A/B	A	B
Customer 2	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,848,520	4,672,225
		kW	8,400	10,025
		Class A/B	A	B
Customer 3	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,774,837	2,868,732
		kW	6,417	6,375
		Class A/B	A	B
Customer 4	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,857,375	2,769,214
		kW	4,604	4,448
		Class A/B	A	B
Customer 5	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,438,607	1,300,006
		kW	4,034	3,896
		Class A/B	A	B
Customer 6	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,213,637	816,748
		kW	2,905	2,447
		Class A/B	A	B
Customer 7	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,015,656	2,169,594
		kW	4,743	5,096
		Class A/B	B	A
Customer 8	LARGE USE SERVICE CLASSIFICATION	kWh	26,194,573	27,725,999
		kW	54,081	57,187
		Class A/B	B	A
Customer 9	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,530,311	2,539,816
		kW	5,745	5,836
		Class A/B	B	A
Customer 10	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,038,661	1,859,230
		kW	4,542	4,299
		Class A/B	B	A
Customer 11	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	4,194,295	4,823,148
		kW	8,154	9,775
		Class A/B	B	A
Customer 12	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	7,270,843	7,432,272
		kW	15,477	16,864
		Class A/B	B	A
Customer 13	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,512,207	2,590,613
		kW	6,552	6,348
		Class A/B	B	A
Customer 14	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,301,872	1,974,365
		kW	8,531	8,061
		Class A/B	B	A
Customer 15	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,266,000	1,366,789
		kW	4,111	3,716
		Class A/B	B	A
Customer 16	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	9,187,198	10,064,044
		kW	23,678	22,445
		Class A/B	B	A
Customer 17	LARGE USE SERVICE CLASSIFICATION	kWh	28,684,761	32,541,712
		kW	62,751	69,304
		Class A/B	B	A
Customer 18	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	897,411	745,215
		kW	6,836	6,726
		Class A/B	B	A
Customer 19	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,373,080	5,654,344
		kW	13,126	14,167
		Class A/B	B	A
Customer 20	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,658,418	2,603,135
		kW	6,601	6,670
		Class A/B	B	A
Customer 21	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	4,188,830	5,111,791
		kW	7,965	9,326
		Class A/B	B	A
Customer 22	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	11,053,536	11,370,180
		kW	19,245	20,227
		Class A/B	B	A
Customer 23	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,090,353	1,974,636
		kW	4,340	4,328
		Class A/B	B	A
Customer 24	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,516,374	2,521,883
		kW	4,472	4,542
		Class A/B	B	A
Customer 25	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,617,200	2,631,574
		kW	5,783	5,958
		Class A/B	B	A
Customer 26	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,633,257	2,243,379
		kW	6,167	6,279
		Class A/B	B	A
Customer 27	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,350,884	2,056,487
		kW	6,375	5,644
		Class A/B	B	A
Customer 28	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,152,851	2,421,142
		kW	4,999	5,282
		Class A/B	B	A
Customer 29	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,966,943	3,793,919
		kW	8,023	8,331
		Class A/B	B	A
Customer 30	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,002,890	3,510,372
		kW	5,746	6,855
		Class A/B	B	A
Customer 31	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,436,253	1,558,620
		kW	4,429	4,601
		Class A/B	B	A
Customer 32	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,495,106	9,594,345
		kW	15,242	18,148
		Class A/B	B	A
Customer 33	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,363,800	1,214,238
		kW	3,315	3,292
		Class A/B	B	A

3b **Enter the number of rate classes in which there were customers who were Class A for the full year during the period the Account 1589 GA or Account 1580 CBR B balance accumulated. Enter the total Class A consumption in the rate class in the table**

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Rate Classes with Class A Customers - Billing Determinants by Rate Class

	Rate Class		2018
Rate Class 1	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	11,136,091
		kW	29,591
Rate Class 2	LARGE USE SERVICE CLASSIFICATION	kWh	142,671,512
		kW	223,175
Rate Class 3	LARGE USE SERVICE CLASSIFICATION	kWh	78,474,853
		kW	133,608
Rate Class 4	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	9,462,989
		kW	20,631
Rate Class 5	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	12,696,532
		kW	19,417
Rate Class 6	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	13,331,446
		kW	23,070
Rate Class 7	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	12,004,827
		kW	29,818
Rate Class 8	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,068,619
		kW	12,672
Rate Class 9	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	7,004,108
		kW	15,224
Rate Class 10	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	25,754,799
		kW	48,738
Rate Class 11	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	30,699,474
		kW	63,364
Rate Class 12	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,964,000
		kW	6,993
Rate Class 13	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,640,682
		kW	11,767
Rate Class 14	LARGE USE SERVICE CLASSIFICATION	kWh	253,092,104
		kW	454,471
Rate Class 15	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	9,697,459
		kW	17,816
Rate Class 16	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	10,650,238
		kW	22,694
Rate Class 17	LARGE USE SERVICE CLASSIFICATION	kWh	218,868,237
		kW	427,795
Rate Class 18	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	12,141,217
		kW	20,284
Rate Class 19	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	11,141,477
		kW	23,479
Rate Class 20	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	22,757,382
		kW	41,862
Rate Class 21	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	7,021,571
		kW	17,008
Rate Class 22	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,961,047
		kW	18,038
Rate Class 23	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	9,024,137
		kW	19,447
Rate Class 24	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,941,209
		kW	9,385
Rate Class 25	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,766,153
		kW	9,401
Rate Class 26	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,874,123
		kW	7,182
Rate Class 27	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	7,449,336
		kW	13,364
Rate Class 28	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	11,557,593
		kW	21,513
Rate Class 29	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,345,387
		kW	18,862
Rate Class 30	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,230,650
		kW	14,331
Rate Class 31	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	25,895,826
		kW	49,690
Rate Class 32	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,198,306
		kW	7,852
Rate Class 33	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	7,999,938
		kW	21,249
Rate Class 34	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	9,534,372
		kW	20,630
Rate Class 35	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,821,468
		kW	6,466
Rate Class 36	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	10,773,814
		kW	31,698
Rate Class 37	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	4,240,263
		kW	7,317
Rate Class 38	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,314,979
		kW	17,337
Rate Class 39	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	15,137,566
		kW	37,398
Rate Class 40	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	26,630,996
		kW	50,371
Rate Class 41	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,614,880
		kW	13,890
Rate Class 42	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	11,018,568
		kW	19,795
Rate Class 43	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,933,018
		kW	25,489
Rate Class 44	LARGE USE SERVICE CLASSIFICATION	kWh	75,353,562
		kW	116,633
Rate Class 45	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,112,342
		kW	10,394
Rate Class 46	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	20,228,269
		kW	39,459
Rate Class 47	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,446,133
		kW	10,178
Rate Class 48	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	12,130,023
		kW	24,666
Rate Class 49	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	10,023,603
		kW	25,040
Rate Class 50	LARGE USE SERVICE CLASSIFICATION	kWh	39,415,567
		kW	74,167
Rate Class 51	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	4,983,144
		kW	12,869
Rate Class 52	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,631,041
		kW	11,623
Rate Class 53	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,569,227
		kW	11,243
Rate Class 54	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	9,430,855
		kW	22,320
Rate Class 55	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,735,341
		kW	10,239
Rate Class 56	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,745,072
		kW	14,452
Rate Class 57	LARGE USE SERVICE CLASSIFICATION	kWh	54,026,482
		kW	79,991
Rate Class 58	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	7,391,467
		kW	16,590
Rate Class 59	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,383,236
		kW	13,034
Rate Class 60	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,658,935
		kW	13,903
Rate Class 61	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,019,259
		kW	12,387
Rate Class 62	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	19,507,701
		kW	38,822
Rate Class 63	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	12,535,726
		kW	22,525
Rate Class 64	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,247,364
		kW	15,756
Rate Class 65	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	12,074,202
		kW	20,174
Rate Class 66	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,623,556
		kW	7,938
Rate Class 67	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	10,035,637
		kW	17,183
Rate Class 68	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,748,315

		kW	20,207
Rate Class 69	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	19,400,953
		kW	42,577
Rate Class 70	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	20,322,643
		kW	34,387
Rate Class 71	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	23,984,994
		kW	36,422
Rate Class 72	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,482,272
		kW	6,795
Rate Class 73	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	16,311,852
		kW	27,752
Rate Class 74	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,554,746
		kW	18,301
Rate Class 75	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	28,494,213
		kW	51,262
Rate Class 76	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	17,487,615
		kW	38,033
Rate Class 77	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	12,826,158
		kW	30,119
Rate Class 78	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	15,439,796
		kW	23,255
Rate Class 79	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,477,941
		kW	12,652
Rate Class 80	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	10,432,330
		kW	49,941
Rate Class 81	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	10,184,516
		kW	18,034
Rate Class 82	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,130,058
		kW	9,523
Rate Class 83	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	10,027,924
		kW	18,425
Rate Class 84	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,823,298
		kW	17,022
Rate Class 85	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	11,728,540
		kW	22,642
Rate Class 86	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kWh	4,805,508
		kW	11,560

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ıcentive Rate-setting Mechanism Rate Generator for 2020 Filers

This tab allocates the GA balance to transition customers (i.e Class A customers who were former Class B customers and Class B customers who were former Class A customers) who contributed to the current GA balance. The tables below calculate specific amounts for each customer who made the change. The general GA rate rider to non-RPP customers is not to be charged to the transition customers that are allocated amounts in the table below. Consistent with prior decisions, distributors are generally expected to settle the amount through 12 equal adjustments to bills.

Year the Account 1589 GA Balance Last Disposed	**2017**

Allocation of total Non-RPP Consumption (kWh) between Current Class B and Class A/B Transition Customers

		Total	**2018**
Non-RPP Consumption Less WMP Consumption	A	4,742,457,158	4,742,457,158
Less Class A Consumption for Partial Year Class A Customers	B	168,787,149	168,787,149
Less Consumption for Full Year Class A Customers	C	1,695,514,662	1,695,514,662
Total Class B Consumption for Years During Balance Accumulation	D = A-B-C	2,878,155,347	2,878,155,347
All Class B Consumption for Transition Customers	E	159,809,662	159,809,662
Transition Customers' Portion of Total Consumption	F = E/D	**5.55%**	

Allocation of Total GA Balance $

Total GA Balance	G	-$	9,498,967
Transition Customers Portion of GA Balance	H=F*G	-$	527,430
GA Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	-$	8,971,537

Allocation of GA Balances to Class A/B Transition Customers

# of Class A/B Transition Customers		33				
Customer		**Total Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers**	**Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers in 2018**	**% of kWh**	**Customer Specific GA Allocation for the Period When They Were a Class B customer**	**Monthly Equal Payments**
Customer 1		2,389,174	2,389,174	1.50%	-$ 7,885	-$ 657
Customer 2		4,672,225	4,672,225	2.92%	-$ 15,420	-$ 1,285
Customer 3		2,868,732	2,868,732	1.80%	-$ 9,468	-$ 789
Customer 4		2,769,214	2,769,214	1.73%	-$ 9,139	-$ 762
Customer 5		1,300,006	1,300,006	0.81%	-$ 4,290	-$ 358
Customer 6		816,748	816,748	0.51%	-$ 2,696	-$ 225
Customer 7		2,015,656	2,015,656	1.26%	-$ 6,652	-$ 554
Customer 8		26,194,573	26,194,573	16.39%	-$ 86,452	-$ 7,204
Customer 9		2,530,311	2,530,311	1.58%	-$ 8,351	-$ 696
Customer 10		2,038,661	2,038,661	1.28%	-$ 6,728	-$ 561
Customer 11		4,194,295	4,194,295	2.62%	-$ 13,843	-$ 1,154
Customer 12		7,270,843	7,270,843	4.55%	-$ 23,996	-$ 2,000
Customer 13		2,512,207	2,512,207	1.57%	-$ 8,291	-$ 691
Customer 14		2,301,872	2,301,872	1.44%	-$ 7,597	-$ 633
Customer 15		1,266,000	1,266,000	0.79%	-$ 4,178	-$ 348
Customer 16		9,187,198	9,187,198	5.75%	-$ 30,321	-$ 2,527
Customer 17		28,684,761	28,684,761	17.95%	-$ 94,670	-$ 7,889
Customer 18		897,411	897,411	0.56%	-$ 2,962	-$ 247
Customer 19		5,373,080	5,373,080	3.36%	-$ 17,733	-$ 1,478
Customer 20		2,658,418	2,658,418	1.66%	-$ 8,774	-$ 731
Customer 21		4,188,830	4,188,830	2.62%	-$ 13,825	-$ 1,152
Customer 22		11,053,536	11,053,536	6.92%	-$ 36,481	-$ 3,040
Customer 23		2,090,353	2,090,353	1.31%	-$ 6,899	-$ 575
Customer 24		2,516,374	2,516,374	1.57%	-$ 8,305	-$ 692
Customer 25		2,617,200	2,617,200	1.64%	-$ 8,638	-$ 720
Customer 26		2,633,257	2,633,257	1.65%	-$ 8,691	-$ 724
Customer 27		2,350,884	2,350,884	1.47%	-$ 7,759	-$ 647
Customer 28		2,152,851	2,152,851	1.35%	-$ 7,105	-$ 592
Customer 29		3,966,943	3,966,943	2.48%	-$ 13,092	-$ 1,091
Customer 30		3,002,890	3,002,890	1.88%	-$ 9,911	-$ 826
Customer 31		1,436,253	1,436,253	0.90%	-$ 4,740	-$ 395
Customer 32		8,495,106	8,495,106	5.32%	-$ 28,037	-$ 2,336
Customer 33		1,363,800	1,363,800	0.85%	-$ 4,501	-$ 375
Total		159,809,662	159,809,662	100.00%	-$ 527,430	

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The purpose of this tab is to calculate the GA rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1589 GA was last disposed. Calculations in this tab will be modified upon completion of tab 6.1a, which allocates a portion of the GA balance to transition customers, if applicable.
Effective January 2017, the billing determinant and all rate riders for the disposition of GA balances will be calculated on an energy basis (kWhs) regardless of the billing determinant used for distribution rates for the particular class (see Chapter 3, Filing Requirements, section 3.2.5.2)

Default Rate Rider Recovery Period (in months)	**12**
Proposed Rate Rider Recovery Period (in months)	**12**

Rate Rider Recovery to be used below

		Total Metered Non-RPP 2018 Consumption excluding WMP	Total Metered 2018 Consumption for Class A Customers that were Class A for the entire period GA balance accumulated	Total Metered 2018 Consumption for Customers that Transitioned Between Class A and B during the period GA balance accumulated	Non-RPP Metered Consumption for Current Class B Customers (Non-RPP Consumption excluding WMP, Class A and Transition Customers' Consumption)	% of total kWh	Total GA $ allocated to Current Class B Customers	GA Rate Rider	
		kWh	kWh	kWh	kWh				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	47,757,736	0	0	47,757,736	1.8%	($157,618)	-$0.0033	kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	91,858,679	0	0	91,858,679	3.4%	($303,167)	-$0.0033	kWh
GENERAL SERVICE 50 TO 499 KW SERVICE CLASSIFICATION	kWh	1,737,284,254	0	0	1,737,284,254	63.9%	($5,733,675)	-$0.0033	kWh
GENERAL SERVICE 500 TO 4,999 KW SERVICE CLASSIFICATION	kWh	1,874,772,880	833,612,345	213,449,766	827,710,769	30.4%	($2,731,749)	-$0.0033	kWh
LARGE USE SERVICE CLASSIFICATION	kWh	977,049,362	861,902,317	115,147,045	0	0.0%	$0	$0.0000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	444,303	0	0	444,303	0.0%	($1,466)	-$0.0033	kWh
STREET LIGHTING SERVICE CLASSIFICATION	kWh	13,289,944	0	0	13,289,944	0.5%	($43,862)	-$0.0033	kWh
STANDBY POWER SERVICE CLASSIFICATION	kWh	0	0	0	0	0.0%	$0	$0.0000	
Total		4,742,457,158	1,695,514,662	328,596,811	2,718,345,685	100.0%	($8,971,537)		

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

This tab allocates the CBR Class B balance to transition customers (i.e Class A customers who were former Class B customers and Class B customers who were former Class A customers) who contributed to the current CBR Class B balance. The tables below calculate specific amounts for each customer who made the change. The general CBR Class B rate rider is not to be charged to the transition customers that are allocated amounts in the table below. Consistent with prior decisions, distributors are generally expected to settle the amount through 12 equal adjustments to bills.

Year Account 1580 CBR Class B was Last Disposed **2017**

Allocation of Total Consumption (kWh) between Current Class B and Class A/B Transition Customers

		Total	2018
Total Consumption Less WMP Consumption	A	7,251,773,365	7,251,773,365
Less Class A Consumption for Partial Year Class A Customers	B	168,787,149	168,787,149
Less Consumption for Full Year Class A Customers	C	1,695,514,662	1,695,514,662
Total Class B Consumption for Years During Balance Accumulation	D = A-B-C	5,387,471,554	5,387,471,554
All Class B Consumption for Transition Customers	E	159,809,662	159,809,662
Transition Customers' Portion of Total Consumption	F = E/D	**2.97%**	

Allocation of Total CBR Class B Balance $

Total CBR Class B Balance	G	-$ 528,470
Transition Customers Portion of CBR Class B Balance	H=F*G	-$ 15,676
CBR Class B Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	-$ 512,794

Allocation of CBR Class B Balances to Transition Customers

# of Class A/B Transition Customers		33				
Customer		**Total Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers**	**Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers in 2018**	**% of kWh**	**Customer Specific CBR Class B Allocation for the Period When They Were a Class B Customer**	**Monthly Equal Payments**
Customer 1		2,389,174	2,389,174	1.50%	-$ 234	-$ 20
Customer 2		4,672,225	4,672,225	2.92%	-$ 458	-$ 38
Customer 3		2,868,732	2,868,732	1.80%	-$ 281	-$ 23
Customer 4		2,769,214	2,769,214	1.73%	-$ 272	-$ 23
Customer 5		1,300,006	1,300,006	0.81%	-$ 128	-$ 11
Customer 6		816,748	816,748	0.51%	-$ 80	-$ 7
Customer 7		2,015,656	2,015,656	1.26%	-$ 198	-$ 16
Customer 8		26,194,573	26,194,573	16.39%	-$ 2,569	-$ 214
Customer 9		2,530,311	2,530,311	1.58%	-$ 248	-$ 21
Customer 10		2,038,661	2,038,661	1.28%	-$ 200	-$ 17
Customer 11		4,194,295	4,194,295	2.62%	-$ 411	-$ 34
Customer 12		7,270,843	7,270,843	4.55%	-$ 713	-$ 59
Customer 13		2,512,207	2,512,207	1.57%	-$ 246	-$ 21
Customer 14		2,301,872	2,301,872	1.44%	-$ 226	-$ 19
Customer 15		1,266,000	1,266,000	0.79%	-$ 124	-$ 10
Customer 16		9,187,198	9,187,198	5.75%	-$ 901	-$ 75
Customer 17		28,684,761	28,684,761	17.95%	-$ 2,814	-$ 234
Customer 18		897,411	897,411	0.56%	-$ 88	-$ 7
Customer 19		5,373,080	5,373,080	3.36%	-$ 527	-$ 44
Customer 20		2,658,418	2,658,418	1.66%	-$ 261	-$ 22
Customer 21		4,188,830	4,188,830	2.62%	-$ 411	-$ 34
Customer 22		11,053,536	11,053,536	6.92%	-$ 1,084	-$ 90
Customer 23		2,090,353	2,090,353	1.31%	-$ 205	-$ 17
Customer 24		2,516,374	2,516,374	1.57%	-$ 247	-$ 21
Customer 25		2,617,200	2,617,200	1.64%	-$ 257	-$ 21
Customer 26		2,633,257	2,633,257	1.65%	-$ 258	-$ 22
Customer 27		2,350,884	2,350,884	1.47%	-$ 231	-$ 19
Customer 28		2,152,851	2,152,851	1.35%	-$ 211	-$ 18
Customer 29		3,966,943	3,966,943	2.48%	-$ 389	-$ 32
Customer 30		3,002,890	3,002,890	1.88%	-$ 295	-$ 25
Customer 31		1,436,253	1,436,253	0.90%	-$ 141	-$ 12
Customer 32		8,495,106	8,495,106	5.32%	-$ 833	-$ 69
Customer 33		1,363,800	1,363,800	0.85%	-$ 134	-$ 11
Total		159,809,662	159,809,662	100.00%	-$ 15,676	-$ 1,306

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

No input required. The purpose of this tab is to calculate the CBR rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1580, sub-account CBR Class B balance accumulated.

The year Account 1580 CBR Class B was last disposed | **2017**

		Total Metered 2018 Consumption Minus WMP		Total Metered 2018 Consumption for Full Year Class A Customers		Total Metered 2018 Consumption for Transition Customers		Metered Consumption for Current Class B Customers (Total Consumption LESS WMP, Class A and Transition Customers' Consumption)		% of total kWh	Total CBR Class B $ allocated to Current Class B Customers	CBR Class B Rate Rider	Unit
		kWh	kW	kWh	kW	kWh	kW	kWh	kW				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	1,490,532,668	0	0	0	0	0	1,490,532,668	0	28.5%	($146,210)	-$0.0001	kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	685,616,684	0	0	0	0	0	685,616,684	0	13.1%	($67,254)	-$0.0001	kWh
GENERAL SERVICE 50 TO 499 KW SERVICE CLASSIFICATION	kW	2,050,085,761	5,706,048	0	0	0	0	2,050,085,761	5,706,048	39.2%	($201,098)	-$0.0352	kW
GENERAL SERVICE 500 TO 4,999 KW SERVICE CLASSIFICATION	kW	2,023,761,304	4,557,828	833,612,345	1,724,837	213,449,766	483,462	976,699,193	2,349,529	18.7%	($95,807)	-$0.0408	kW
LARGE USE SERVICE CLASSIFICATION	kW	977,049,362	1,753,163	861,902,317	1,509,840	115,147,045	243,323	0	0	0.0%	$0	$0.0000	kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	11,437,642	0	0	0	0	0	11,437,642	0	0.2%	($1,122)	-$0.0001	kWh
STREET LIGHTING SERVICE CLASSIFICATION	kW	13,289,944	40,572	0	0	0	0	13,289,944	40,572	0.3%	($1,304)	-$0.0321	kW
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0	0.0%	$0	$0.0000	kW
Total		7,251,773,365	12,057,611	1,695,514,662	3,234,677	328,596,811	726,785	5,227,661,892	8,096,149	100.0%	($512,795)		

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Input required at cells C13 and C14. This workshseet calculates rate riders related to the Deferral/Variance Account Disposition (if applicable) and rate riders for Account 1568. Rate Riders will not be generated for the microFIT class.

Default Rate Rider Recovery Period (in months)	**12**	
DVA Proposed Rate Rider Recovery Period (in months)	**12**	Rate Rider Recovery to be used below
LRAM Proposed Rate Rider Recovery Period (in months)	**12**	Rate Rider Recovery to be used below

Rate Class	Unit	Total Metered kWh	Metered kW or kVA	Total Metered kWh less WMP consumption	Total Metered kW less WMP consumption	Allocation of Group 1 Account Balances to All Classes [2]	Allocation of Group 1 Account Balances to Non-WMP Classes Only (If Applicable) [2]	Deferral/Variance Account Rate Rider [2]	Deferral/Variance Account Rate Rider for Non-WMP (if applicable) [2]	Account 1568 Rate Rider	Revenue Reconcilation [1]
RESIDENTIAL SERVICE CLASSIFICATION	kWh	1,490,532,668	0	1,490,532,668	0	342,478		0.0002	0.0000	0.0003	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	685,616,684	0	685,616,684	0	206,226		0.0003	0.0000	0.0001	
GENERAL SERVICE 50 TO 499 KW SERVICE CLASSIFICATION	kW	2,051,428,808	5,710,411	2,050,085,761	5,706,048	1,884,679	(1,227,697)	0.3300	(0.2152)	0.2771	
GENERAL SERVICE 500 TO 4,999 KW SERVICE CLASSIFICATION	kW	2,037,760,513	4,585,778	2,023,761,304	4,557,828	1,873,059	(1,211,932)	0.4084	(0.2659)	0.1080	
LARGE USE SERVICE CLASSIFICATION	kW	977,049,362	1,753,163	977,049,362	1,753,163	313,221		0.1787	0.0000	0.0976	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	11,437,642	0	11,437,642	0	3,668		0.0003	0.0000	0.0000	
STREET LIGHTING SERVICE CLASSIFICATION	kW	13,289,944	40,572	13,289,944	40,572	4,143		0.1021	0.0000	(2.5841)	
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0		0.0000	0.0000	0.0000	
											2,142,054.83

[1] When calculating the revenue reconciliation for distributors with Class A customers, the balances of sub-account 1580-CBR Class B will not be taken into consideration if there are Class A customers since the rate riders, if any, are calculated separately.

[2] Only for rate classes with WMP customers are the Deferral/Variance Account Rate Riders for Non-WMP (column H and J) calculated separately. For all rate classes without WMP customers, balances in account 1580 and 1588 are included in column G and disposed through a combined Deferral/Variance Account and Rate Rider.

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Summary - Sharing of Tax Change Forecast Amounts

	2017	2020
OEB-Approved Rate Base	$ -	$ -
OEB-Approved Regulatory Taxable Income	$ -	$ -
Federal General Rate		15.0%
Federal Small Business Rate		9.0%
Federal Small Business Rate (calculated effective rate)[1,2]		9.0%
Ontario General Rate		11.5%
Ontario Small Business Rate		3.5%
Ontario Small Business Rate (calculated effective rate)[1,2]		3.5%
Federal Small Business Limit		$ 500,000
Ontario Small Business Limit		$ 500,000
Federal Taxes Payable		$ -
Provincial Taxes Payable		$ -
Federal Effective Tax Rate		0.0%
Provincial Effective Tax Rate		0.0%
Combined Effective Tax Rate	0.0%	0.0%
Total Income Taxes Payable	$ -	$ -
OEB-Approved Total Tax Credits (enter as positive number)	$ -	$ -
Income Tax Provision	$ -	$ -
Grossed-up Income Taxes	$ -	$ -
Incremental Grossed-up Tax Amount		$ -
Sharing of Tax Amount (50%)		**$ -**

Notes

1. Regarding the small business deduction, if applicable,
   a. If taxable capital exceeds $15 million, the small business rate will not be applicable.
   b. If taxable capital is below $10 million, the small business rate would be applicable.
   c. If taxable capital is between $10 million and $15 million, the appropriate small business rate will be calculated.

2. The OEB's proxy for taxable capital is rate base.

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Calculation of Rebased Revenue Requirement and Allocation of Tax Sharing Amount. Enter data from the last OEB-Approved Cost of Service application in columns C through H.

As per Chapter 3 Filing Requirements, shared tax rate riders are based on a 1 year disposition.

Rate Class		Re-based Billed Customers or Connections	Re-based Billed kWh	Re-based Billed kW	Re-based Service Charge	Re-based Distribution Volumetric Rate kWh	Re-based Distribution Volumetric Rate kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Revenue Requirement from Rates	Service Charge % Revenue	Distribution Volumetric Rate % Revenue kWh	Distribution Volumetric Rate % Revenue kW	Total % Revenue
RESIDENTIAL SERVICE CLASSIFICATION	kWh							0	0	0	0	0.0%	0.0%	0.0%	0.0%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh							0	0	0	0	0.0%	0.0%	0.0%	0.0%
GENERAL SERVICE 50 TO 499 KW SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
GENERAL SERVICE 500 TO 4,999 KW SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
LARGE USE SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh							0	0	0	0	0.0%	0.0%	0.0%	0.0%
STREET LIGHTING SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
STANDBY POWER SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
Total			0	0	0			0	0	0	0				0.0%

Rate Class		Total kWh (most recent RRR filing)	Total kW (most recent RRR filing)	Allocation of Tax Savings by Rate Class	Distribution Rate Rider	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	1,490,532,668		0	0.00	$/customer
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	685,616,684		0	0.0000	kWh
GENERAL SERVICE 50 TO 499 KW SERVICE CLASSIFICATION	kW	2,051,428,808	5,710,411	0	0.0000	kW
GENERAL SERVICE 500 TO 4,999 KW SERVICE CLASSIFICATION	kW	2,037,760,513	4,585,778	0	0.0000	kW
LARGE USE SERVICE CLASSIFICATION	kW	977,049,362	1,753,163	0	0.0000	kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	11,437,642		0	0.0000	kWh
STREET LIGHTING SERVICE CLASSIFICATION	kW	13,289,944	40,572	0	0.0000	kW
STANDBY POWER SERVICE CLASSIFICATION	kW			0	0.0000	kW
Total		7,267,115,621	12,089,924	$0		

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Columns E and F have been populated with data from the most recent RRR filing. Rate classes that have more than one Network or Connection charge will notice that the cells are highlighted in green and unlocked.
If the data needs to be modified, please make the necessary adjustments and note the changes in your manager's summary. As well, the Loss Factor has been imported from Tab 2.

Rate Class	Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor	Loss Adjusted Billed kWh
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0076	1,490,532,668	0	1.0000	1,490,532,668
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0073	1,490,532,668	0	1.0000	1,490,532,668
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0071	685,616,684	0	1.0000	685,616,684
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0065	685,616,684	0	1.0000	685,616,684
General Service 50 To 499 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.7289	2,051,428,808	5,710,411		
General Service 50 To 499 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5929	2,051,428,808	5,710,411		
General Service 500 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.6402	2,037,760,513	4,585,778		
General Service 500 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5373	2,037,760,513	4,585,778		
Large Use Service Classification	Retail Transmission Rate - Network Service Rate – Interval Metered	$/kW	2.8174	977,049,362	1,753,163		
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate – Interval Meterec	$/kW	2.7100	977,049,362	1,753,163		
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0071	11,437,642	0	1.0000	11,437,642
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0065	11,437,642	0	1.0000	11,437,642
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	1.8899	13,289,944	40,572		
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.8750	13,289,944	40,572		

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Uniform Transmission Rates	Unit	2018	2019 (Jan 1 - June 30)	2019 (July 1 - Dec 31)	2020
Rate Description		**Rate**	**Rate**		**Rate**
Network Service Rate	kW	$ 3.61	$ 3.71	$ 3.83	$ 3.83
Line Connection Service Rate	kW	$ 0.95	$ 0.94	$ 0.96	$ 0.96
Transformation Connection Service Rate	kW	$ 2.34	$ 2.25	$ 2.30	$ 2.30

Hydro One Sub-Transmission Rates	Unit	2018	2019 (Jan 1 - June 30)	2019 (July 1 - Dec 31)	2020
Rate Description		**Rate**	**Rate**	**Rate**	**Rate**
Network Service Rate	kW	$ 3.1942	$ 3.1942	$ 3.2915	$ 3.2915
Line Connection Service Rate	kW	$ 0.7710	$ 0.7710	$ 0.7877	$ 0.7877
Transformation Connection Service Rate	kW	$ 1.7493	$ 1.7493	$ 1.9755	$ 1.9755
Both Line and Transformation Connection Service Rate	kW	$ 2.5203	$ 2.5203	$ 2.7632	$ 2.7632

If needed, add extra host here. (I)	Unit	2018	2019		2020
Rate Description		**Rate**	**Rate**		**Rate**
Network Service Rate	kW				
Line Connection Service Rate	kW				
Transformation Connection Service Rate	kW				
Both Line and Transformation Connection Service Rate	kW	$ -	$ -		$ -

If needed, add extra host here. (II)	Unit	2018	2019		2020
Rate Description		**Rate**	**Rate**		**Rate**
Network Service Rate	kW				
Line Connection Service Rate	kW				
Transformation Connection Service Rate	kW				
Both Line and Transformation Connection Service Rate	kW	$ -	$ -		$ -

		Historical 2018	Current 2019		Forecast 2020
Low Voltage Switchgear Credit (if applicable, enter as a negative value)	$				

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Tab 10. For Hydro One Sub-transmission Rates, if you are charged a combined Line and Transformer connection rate, please ensure that both the Line Connection and Transformation Connection columns are completed.
If any of the Hydro One Sub-transmission rates (column E, I and M) are highlighted in red, please double check the billing data entered in "Units Billed" and "Amount" columns. The highlighted rates do not match the Hydro One Sub-transmission rates approved for that time period. If data has been entered correctly, please provide explanation for the discrepancy in rates.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	921,050	$3.61	$ 3,324,991	958,894	$0.95	$ 910,949	958,894	$2.34	$ 2,243,812	$ 3,154,761
February	881,927	$3.61	$ 3,183,756	930,312	$0.95	$ 883,796	930,312	$2.34	$ 2,176,930	$ 3,060,726
March	850,066	$3.61	$ 3,068,738	897,488	$0.95	$ 852,614	897,488	$2.34	$ 2,100,122	$ 2,952,736
April	822,450	$3.61	$ 2,969,045	897,519	$0.95	$ 852,643	896,509	$2.34	$ 2,097,830	$ 2,950,473
May	1,046,159	$3.61	$ 3,776,634	1,103,287	$0.95	$ 1,048,123	1,103,287	$2.34	$ 2,581,692	$ 3,629,814
June	1,096,071	$3.61	$ 3,956,816	1,195,012	$0.95	$ 1,135,261	1,195,012	$2.34	$ 2,796,328	$ 3,931,589
July	1,228,280	$3.61	$ 4,434,090	1,257,541	$0.95	$ 1,194,664	1,255,331	$2.34	$ 2,937,475	$ 4,132,139
August	1,136,524	$3.61	$ 4,102,850	1,178,379	$0.95	$ 1,119,460	1,178,378	$2.34	$ 2,757,406	$ 3,876,865
September	1,215,145	$3.61	$ 4,386,675	1,249,692	$0.95	$ 1,187,207	1,249,691	$2.34	$ 2,924,278	$ 4,111,485
October	869,630	$3.61	$ 3,139,364	939,587	$0.95	$ 892,608	939,592	$2.34	$ 2,198,645	$ 3,091,253
November	880,999	$3.61	$ 3,180,407	911,128	$0.95	$ 865,571	910,681	$2.34	$ 2,130,992	$ 2,996,564
December	859,641	$3.61	$ 3,103,303	934,057	$0.95	$ 887,354	928,200	$2.34	$ 2,171,989	$ 3,059,343
Total	11,807,942	$ 3.61	$ 42,626,669	12,452,894	$ 0.95	$ 11,830,250	12,443,375	$ 2.34	$ 29,117,499	$ 40,947,748

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	205,107	$3.1942	$ 655,153	683,390	$0.7710	$ 526,894	151,961	$1.7493	$ 265,826	$ 792,720
February	183,118	$3.1942	$ 584,916	569,189	$0.7710	$ 438,845	128,066	$1.7493	$ 224,026	$ 662,870
March	170,412	$3.1942	$ 544,331	529,765	$0.7710	$ 408,448	119,920	$1.7493	$ 209,776	$ 618,224
April	187,158	$3.1942	$ 597,819	661,599	$0.7710	$ 510,092	146,859	$1.7493	$ 256,901	$ 766,993
May	228,640	$3.1942	$ 730,321	720,295	$0.7710	$ 555,347	158,337	$1.7493	$ 276,979	$ 832,326
June	205,092	$3.1942	$ 655,104	772,279	$0.7710	$ 595,427	170,972	$1.7493	$ 299,081	$ 894,508
July	202,067	$3.1942	$ 645,443	834,655	$0.7710	$ 643,519	193,829	$1.7493	$ 339,066	$ 982,585
August	203,232	$3.1942	$ 649,164	821,224	$0.7710	$ 633,164	181,154	$1.7493	$ 316,892	$ 950,056
September	206,797	$3.1942	$ 660,550	826,444	$0.7710	$ 637,189	182,039	$1.7493	$ 318,442	$ 955,630
October	211,321	$3.1942	$ 675,002	660,251	$0.7710	$ 509,053	146,844	$1.7493	$ 256,874	$ 765,927
November	182,727	$3.1942	$ 583,667	572,457	$0.7710	$ 441,365	128,658	$1.7493	$ 225,062	$ 666,427
December	177,371	$3.1942	$ 566,557	556,173	$0.7710	$ 428,809	124,165	$1.7493	$ 217,201	$ 646,010
Total	2,363,042	$ 3.1942	$ 7,548,027	8,207,719	$ 0.7710	$ 6,328,152	1,832,804	$ 1.7493	$ 3,206,124	$ 9,534,276

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	1,126,157	$ 3.5343	$ 3,980,144	1,642,284	$ 0.8755	$ 1,437,843	1,110,855	$ 2.2592	$ 2,509,638	$ 3,947,481
February	1,065,045	$ 3.5385	$ 3,768,673	1,499,501	$ 0.8821	$ 1,322,641	1,058,378	$ 2.2685	$ 2,400,956	$ 3,723,597
March	1,020,478	$ 3.5406	$ 3,613,069	1,427,253	$ 0.8836	$ 1,261,062	1,017,408	$ 2.2704	$ 2,309,898	$ 3,570,960
April	1,009,608	$ 3.5329	$ 3,566,864	1,559,117	$ 0.8740	$ 1,362,735	1,043,368	$ 2.2569	$ 2,354,731	$ 3,717,466
May	1,274,799	$ 3.5354	$ 4,506,955	1,823,582	$ 0.8793	$ 1,603,470	1,261,624	$ 2.2659	$ 2,858,670	$ 4,462,140
June	1,301,163	$ 3.5445	$ 4,611,920	1,967,291	$ 0.8797	$ 1,730,689	1,365,984	$ 2.2661	$ 3,095,409	$ 4,826,097
July	1,430,347	$ 3.5513	$ 5,079,533	2,092,195	$ 0.8786	$ 1,838,182	1,449,161	$ 2.2610	$ 3,276,541	$ 5,114,723
August	1,339,756	$ 3.5469	$ 4,752,014	1,999,603	$ 0.8765	$ 1,752,624	1,359,532	$ 2.2613	$ 3,074,297	$ 4,826,921
September	1,421,942	$ 3.5495	$ 5,047,225	2,076,136	$ 0.8787	$ 1,824,396	1,431,731	$ 2.2649	$ 3,242,719	$ 5,067,115
October	1,080,951	$ 3.5287	$ 3,814,367	1,599,837	$ 0.8761	$ 1,401,661	1,086,436	$ 2.2602	$ 2,455,519	$ 3,857,180
November	1,063,726	$ 3.5386	$ 3,764,074	1,483,585	$ 0.8809	$ 1,306,936	1,039,339	$ 2.2669	$ 2,356,054	$ 3,662,990
December	1,037,011	$ 3.5389	$ 3,669,860	1,490,229	$ 0.8832	$ 1,316,163	1,052,365	$ 2.2703	$ 2,389,190	$ 3,705,353
Total	14,170,983	$ 3.54	$ 50,174,697	20,660,614	$ 0.88	$ 18,158,401	14,276,180	$ 2.26	$ 32,323,623	$ 50,482,024

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 50,482,024

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The purpose of this sheet is to calculate the expected billing when current 2019 Uniform Transmission Rates are applied against historical 2018 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	921,050	$ 3.7100	$ 3,417,096	958,894	$ 0.9400	$ 901,360	958,894	$ 2.2500	$ 2,157,512	$ 3,058,872
February	881,927	$ 3.7100	$ 3,271,949	930,312	$ 0.9400	$ 874,493	930,312	$ 2.2500	$ 2,093,202	$ 2,967,695
March	850,066	$ 3.7100	$ 3,153,745	897,488	$ 0.9400	$ 843,639	897,488	$ 2.2500	$ 2,019,348	$ 2,862,987
April	822,450	$ 3.7100	$ 3,051,290	897,519	$ 0.9400	$ 843,667	896,509	$ 2.2500	$ 2,017,144	$ 2,860,812
May	1,046,159	$ 3.7100	$ 3,881,250	1,103,287	$ 0.9400	$ 1,037,090	1,103,287	$ 2.2500	$ 2,482,396	$ 3,519,486
June	1,096,071	$ 3.7100	$ 4,066,423	1,195,012	$ 0.9400	$ 1,123,311	1,195,012	$ 2.2500	$ 2,688,777	$ 3,812,088
July	1,228,280	$ 3.8300	$ 4,704,311	1,257,541	$ 0.9600	$ 1,207,239	1,255,331	$ 2.3000	$ 2,887,262	$ 4,094,501
August	1,136,524	$ 3.8300	$ 4,352,886	1,178,379	$ 0.9600	$ 1,131,244	1,178,378	$ 2.3000	$ 2,710,270	$ 3,841,514
September	1,215,145	$ 3.8300	$ 4,654,007	1,249,692	$ 0.9600	$ 1,199,704	1,249,691	$ 2.3000	$ 2,874,290	$ 4,073,994
October	869,630	$ 3.8300	$ 3,330,683	939,587	$ 0.9600	$ 902,003	939,592	$ 2.3000	$ 2,161,061	$ 3,063,065
November	880,999	$ 3.8300	$ 3,374,227	911,128	$ 0.9600	$ 874,683	910,681	$ 2.3000	$ 2,094,565	$ 2,969,248
December	859,641	$ 3.8300	$ 3,292,424	934,057	$ 0.9600	$ 896,694	928,200	$ 2.3000	$ 2,134,861	$ 3,031,555
Total	11,807,942	$ 3.77	$ 44,550,290	12,452,894	$ 0.95	$ 11,835,128	12,443,375	$ 2.28	$ 28,320,688	$ 40,155,817

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	205,107	$ 3.1942	$ 655,153	683,390	$ 0.7710	$ 526,894	151,961	$ 1.7493	$ 265,826	$ 792,720
February	183,118	$ 3.1942	$ 584,916	569,189	$ 0.7710	$ 438,845	128,066	$ 1.7493	$ 224,026	$ 662,870
March	170,412	$ 3.1942	$ 544,331	529,765	$ 0.7710	$ 408,448	119,920	$ 1.7493	$ 209,776	$ 618,224
April	187,158	$ 3.1942	$ 597,819	661,599	$ 0.7710	$ 510,092	146,859	$ 1.7493	$ 256,901	$ 766,993
May	228,640	$ 3.1942	$ 730,321	720,295	$ 0.7710	$ 555,347	158,337	$ 1.7493	$ 276,979	$ 832,326
June	205,092	$ 3.1942	$ 655,104	772,279	$ 0.7710	$ 595,427	170,972	$ 1.7493	$ 299,081	$ 894,508
July	202,067	$ 3.2915	$ 665,104	834,655	$ 0.7877	$ 657,457	193,829	$ 1.9755	$ 382,910	$ 1,040,368
August	203,232	$ 3.2915	$ 668,938	821,224	$ 0.7877	$ 646,878	181,154	$ 1.9755	$ 357,869	$ 1,004,747
September	206,797	$ 3.2915	$ 680,671	826,444	$ 0.7877	$ 650,990	182,039	$ 1.9755	$ 359,619	$ 1,010,609
October	211,321	$ 3.2915	$ 695,564	660,251	$ 0.7877	$ 520,079	146,844	$ 1.9755	$ 290,090	$ 810,169
November	182,727	$ 3.2915	$ 601,447	572,457	$ 0.7877	$ 450,925	128,658	$ 1.9755	$ 254,165	$ 705,089
December	177,371	$ 3.2915	$ 583,815	556,173	$ 0.7877	$ 438,097	124,165	$ 1.9755	$ 245,287	$ 683,385
Total	2,363,042	$ 3.24	$ 7,663,183	8,207,719	$ 0.78	$ 6,399,481	1,832,804	$ 1.87	$ 3,422,527	$ 9,822,008

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

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The purpose of this sheet is to calculate the expected billing when current 2019 Uniform Transmission Rates are applied against historical 2018 transmission units.

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Amount**
January	1,126,157	$ 3.6161	$ 4,072,249	1,642,284	$ 0.8697	$ 1,428,254	1,110,855	$ 2.1815	$ 2,423,338	$ 3,851,592
February	1,065,045	$ 3.6213	$ 3,856,865	1,499,501	$ 0.8759	$ 1,313,338	1,058,378	$ 2.1894	$ 2,317,228	$ 3,630,565
March	1,020,478	$ 3.6239	$ 3,698,076	1,427,253	$ 0.8773	$ 1,252,087	1,017,408	$ 2.1910	$ 2,229,124	$ 3,481,211
April	1,009,608	$ 3.6144	$ 3,649,109	1,559,117	$ 0.8683	$ 1,353,760	1,043,368	$ 2.1795	$ 2,274,045	$ 3,627,805
May	1,274,799	$ 3.6175	$ 4,611,571	1,823,582	$ 0.8732	$ 1,592,437	1,261,624	$ 2.1872	$ 2,759,374	$ 4,351,811
June	1,301,163	$ 3.6287	$ 4,721,527	1,967,291	$ 0.8737	$ 1,718,739	1,365,984	$ 2.1873	$ 2,987,858	$ 4,706,596
July	1,430,347	$ 3.7539	$ 5,369,415	2,092,195	$ 0.8913	$ 1,864,697	1,449,161	$ 2.2566	$ 3,270,172	$ 5,134,868
August	1,339,756	$ 3.7483	$ 5,021,824	1,999,603	$ 0.8892	$ 1,778,122	1,359,532	$ 2.2568	$ 3,068,139	$ 4,846,261
September	1,421,942	$ 3.7517	$ 5,334,678	2,076,136	$ 0.8914	$ 1,850,694	1,431,731	$ 2.2587	$ 3,233,909	$ 5,084,603
October	1,080,951	$ 3.7247	$ 4,026,247	1,599,837	$ 0.8889	$ 1,422,083	1,086,436	$ 2.2561	$ 2,451,151	$ 3,873,234
November	1,063,726	$ 3.7375	$ 3,975,674	1,483,585	$ 0.8935	$ 1,325,607	1,039,339	$ 2.2598	$ 2,348,730	$ 3,674,337
December	1,037,011	$ 3.7379	$ 3,876,239	1,490,229	$ 0.8957	$ 1,334,792	1,052,365	$ 2.2617	$ 2,380,148	$ 3,714,940
Total	14,170,983	$ 3.68	$ 52,213,473	20,660,614	$ 0.88	$ 18,234,609	14,276,180	$ 2.22	$ 31,743,216	$ 49,977,825

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 49,977,825

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The purpose of this sheet is to calculate the expected billing when forecasted 2019 Uniform Transmission Rates are applied against historical 2018 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	921,050	$ 3.8300	$ 3,527,622	958,894	$ 0.9600	$ 920,538	958,894	$ 2.3000	$ 2,205,456	$ 3,125,994
February	881,927	$ 3.8300	$ 3,377,780	930,312	$ 0.9600	$ 893,100	930,312	$ 2.3000	$ 2,139,718	$ 3,032,817
March	850,066	$ 3.8300	$ 3,255,753	897,488	$ 0.9600	$ 861,588	897,488	$ 2.3000	$ 2,064,222	$ 2,925,811
April	822,450	$ 3.8300	$ 3,149,984	897,519	$ 0.9600	$ 861,618	896,509	$ 2.3000	$ 2,061,970	$ 2,923,588
May	1,046,159	$ 3.8300	$ 4,006,789	1,103,287	$ 0.9600	$ 1,059,156	1,103,287	$ 2.3000	$ 2,537,560	$ 3,596,716
June	1,096,071	$ 3.8300	$ 4,197,952	1,195,012	$ 0.9600	$ 1,147,212	1,195,012	$ 2.3000	$ 2,748,528	$ 3,895,739
July	1,228,280	$ 3.8300	$ 4,704,311	1,257,541	$ 0.9600	$ 1,207,239	1,255,331	$ 2.3000	$ 2,887,262	$ 4,094,501
August	1,136,524	$ 3.8300	$ 4,352,886	1,178,379	$ 0.9600	$ 1,131,244	1,178,378	$ 2.3000	$ 2,710,270	$ 3,841,514
September	1,215,145	$ 3.8300	$ 4,654,007	1,249,692	$ 0.9600	$ 1,199,704	1,249,691	$ 2.3000	$ 2,874,290	$ 4,073,994
October	869,630	$ 3.8300	$ 3,330,683	939,587	$ 0.9600	$ 902,003	939,592	$ 2.3000	$ 2,161,061	$ 3,063,065
November	880,999	$ 3.8300	$ 3,374,227	911,128	$ 0.9600	$ 874,683	910,681	$ 2.3000	$ 2,094,565	$ 2,969,248
December	859,641	$ 3.8300	$ 3,292,424	934,057	$ 0.9600	$ 896,694	928,200	$ 2.3000	$ 2,134,861	$ 3,031,555
Total	11,807,942	$ 3.83	$ 45,224,417	12,452,894	$ 0.96	$ 11,954,778	12,443,375	$ 2.30	$ 28,619,764	$ 40,574,542

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	205,107	$ 3.2915	$ 675,110	683,390	$ 0.7877	$ 538,306	151,961	$ 1.9755	$ 300,200	$ 838,506
February	183,118	$ 3.2915	$ 602,734	569,189	$ 0.7877	$ 448,350	128,066	$ 1.9755	$ 252,994	$ 701,344
March	170,412	$ 3.2915	$ 560,912	529,765	$ 0.7877	$ 417,296	119,920	$ 1.9755	$ 236,902	$ 654,197
April	187,158	$ 3.2915	$ 616,030	661,599	$ 0.7877	$ 521,141	146,859	$ 1.9755	$ 290,120	$ 811,262
May	228,640	$ 3.2915	$ 752,568	720,295	$ 0.7877	$ 567,376	158,337	$ 1.9755	$ 312,794	$ 880,171
June	205,092	$ 3.2915	$ 675,059	772,279	$ 0.7877	$ 608,324	170,972	$ 1.9755	$ 337,754	$ 946,079
July	202,067	$ 3.2915	$ 665,104	834,655	$ 0.7877	$ 657,457	193,829	$ 1.9755	$ 382,910	$ 1,040,368
August	203,232	$ 3.2915	$ 668,938	821,224	$ 0.7877	$ 646,878	181,154	$ 1.9755	$ 357,869	$ 1,004,747
September	206,797	$ 3.2915	$ 680,671	826,444	$ 0.7877	$ 650,990	182,039	$ 1.9755	$ 359,619	$ 1,010,609
October	211,321	$ 3.2915	$ 695,564	660,251	$ 0.7877	$ 520,079	146,844	$ 1.9755	$ 290,090	$ 810,169
November	182,727	$ 3.2915	$ 601,447	572,457	$ 0.7877	$ 450,925	128,658	$ 1.9755	$ 254,165	$ 705,089
December	177,371	$ 3.2915	$ 583,815	556,173	$ 0.7877	$ 438,097	124,165	$ 1.9755	$ 245,287	$ 683,385
Total	2,363,042	$ 3.29	$ 7,777,951	8,207,719	$ 0.79	$ 6,465,221	1,832,804	$ 1.98	$ 3,620,705	$ 10,085,925

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

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The purpose of this sheet is to calculate the expected billing when forecasted 2019 Uniform Transmission Rates are applied against historical 2018 transmission units.

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Amount**
January	1,126,157	$ 3.73	$ 4,202,732	1,642,284	$ 0.89	$ 1,458,844	1,110,855	$ 2.26	$ 2,505,656	$ 3,964,501
February	1,065,045	$ 3.74	$ 3,980,514	1,499,501	$ 0.89	$ 1,341,449	1,058,378	$ 2.26	$ 2,392,712	$ 3,734,161
March	1,020,478	$ 3.74	$ 3,816,665	1,427,253	$ 0.90	$ 1,278,884	1,017,408	$ 2.26	$ 2,301,124	$ 3,580,008
April	1,009,608	$ 3.73	$ 3,766,013	1,559,117	$ 0.89	$ 1,382,759	1,043,368	$ 2.25	$ 2,352,090	$ 3,734,849
May	1,274,799	$ 3.73	$ 4,759,357	1,823,582	$ 0.89	$ 1,626,532	1,261,624	$ 2.26	$ 2,850,354	$ 4,476,886
June	1,301,163	$ 3.75	$ 4,873,011	1,967,291	$ 0.89	$ 1,755,536	1,365,984	$ 2.26	$ 3,086,282	$ 4,841,818
July	1,430,347	$ 3.75	$ 5,369,415	2,092,195	$ 0.89	$ 1,864,697	1,449,161	$ 2.26	$ 3,270,172	$ 5,134,868
August	1,339,756	$ 3.75	$ 5,021,824	1,999,603	$ 0.89	$ 1,778,122	1,359,532	$ 2.26	$ 3,068,139	$ 4,846,261
September	1,421,942	$ 3.75	$ 5,334,678	2,076,136	$ 0.89	$ 1,850,694	1,431,731	$ 2.26	$ 3,233,909	$ 5,084,603
October	1,080,951	$ 3.72	$ 4,026,247	1,599,837	$ 0.89	$ 1,422,083	1,086,436	$ 2.26	$ 2,451,151	$ 3,873,234
November	1,063,726	$ 3.74	$ 3,975,674	1,483,585	$ 0.89	$ 1,325,607	1,039,339	$ 2.26	$ 2,348,730	$ 3,674,337
December	1,037,011	$ 3.74	$ 3,876,239	1,490,229	$ 0.90	$ 1,334,792	1,052,365	$ 2.26	$ 2,380,148	$ 3,714,940
Total	14,170,983	$ 3.74	$ 53,002,368	20,660,614	$ 0.89	$ 18,419,999	14,276,180	$ 2.26	$ 32,240,468	$ 50,660,467
								Low Voltage Switchgear Credit (if applicable)		$ -
								Total including deduction for Low Voltage Switchgear Credit		$ 50,660,467

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

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

Rate Class	Rate Description	Unit	Current RTSR-Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0076	1,490,532,668	0	11,328,048	23.1%	12,074,975	0.0081
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0071	685,616,684	0	4,867,878	9.9%	5,188,847	0.0076
General Service 50 To 499 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.7289		5,710,411	15,583,141	31.8%	16,610,631	2.9088
General Service 500 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.6402		4,585,778	12,107,371	24.7%	12,905,683	2.8143
Large Use Service Classification	Retail Transmission Rate - Network Service Rate – Interval Metered	$/kW	2.8174		1,753,163	4,939,361	10.1%	5,265,043	3.0032
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0071	11,437,642	0	81,207	0.2%	86,562	0.0076
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	1.8899		40,572	76,677	0.2%	81,733	2.0145

The purpose of this table is to re-align the current RTS Connection Rates to recover current wholesale connection costs.

Rate Class	Rate Description	Unit	Current RTSR-Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR-Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0073	1,490,532,668	0	10,880,888	23.3%	11,649,370	0.0078
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0065	685,616,684	0	4,456,508	9.5%	4,771,257	0.0070
General Service 50 To 499 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5929		5,710,411	14,806,525	31.7%	15,852,261	2.7760
General Service 500 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5373		4,585,778	11,635,495	24.9%	12,457,272	2.7165
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate – Interval Metered	$/kW	2.7100		1,753,163	4,751,072	10.2%	5,086,624	2.9014
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0065	11,437,642	0	74,345	0.2%	79,595	0.0070
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.8750		40,572	76,073	0.2%	81,445	2.0074

The purpose of this table is to update the re-aligned RTS Network Rates to recover future wholesale network costs.

Rate Class	Rate Description	Unit	Adjusted RTSR-Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR-Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0081	1,490,532,668	0	12,074,975	23.1%	12,257,416	**0.0082**
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0076	685,616,684	0	5,188,847	9.9%	5,267,245	**0.0077**
General Service 50 To 499 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.9088		5,710,411	16,610,631	31.8%	16,861,601	**2.9528**
General Service 500 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.8143		4,585,778	12,905,683	24.7%	13,100,675	**2.8568**
Large Use Service Classification	Retail Transmission Rate - Network Service Rate – Interval Metered	$/kW	3.0032		1,753,163	5,265,043	10.1%	5,344,593	**3.0485**
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0076	11,437,642	0	86,562	0.2%	87,870	**0.0077**
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.0145		40,572	81,733	0.2%	82,968	**2.0449**

The purpose of this table is to update the re-aligned RTS Connection Rates to recover future wholesale connection costs.

Rate Class	Rate Description	Unit	Adjusted RTSR-Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR-Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0078	1,490,532,668	0	11,649,370	23.3%	11,808,488	**0.0079**
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0070	685,616,684	0	4,771,257	9.5%	4,836,427	**0.0071**
General Service 50 To 499 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.7760		5,710,411	15,852,261	31.7%	16,068,786	**2.8139**
General Service 500 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.7165		4,585,778	12,457,272	24.9%	12,627,424	**2.7536**
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate – Interval Metered	$/kW	2.9014		1,753,163	5,086,624	10.2%	5,156,102	**2.9410**
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0070	11,437,642	0	79,595	0.2%	80,683	**0.0071**
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.0074		40,572	81,445	0.2%	82,558	**2.0348**

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

If applicable, please enter any adjustments related to the revenue to cost ratio model into columns C and E. The Price Escalator and Stretch Factor have been set at the 2018 values and will be updated by OEB staff at a later date.

Price Escalator	**1.20%**	**Productivity Factor**	**0.00%**
Choose Stretch Factor Group	III	**Price Cap Index**	**0.90%**
Associated Stretch Factor Value	**0.30%**		

Rate Class	Current MFC	MFC Adjustment from R/C Model	Current Volumetric Charge	DVR Adjustment from R/C Model	Price Cap Index to be Applied to MFC and DVR	Proposed MFC	Proposed Volumetric Charge
RESIDENTIAL SERVICE CLASSIFICATION	24.25				0.90%	24.47	0.0000
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	44.52		0.013		0.90%	44.92	0.0131
GENERAL SERVICE 50 TO 499 KW SERVICE CLASSIFICATION	78.41		4.7189		0.90%	79.12	4.7614
GENERAL SERVICE 500 TO 4,999 KW SERVICE CLASSIFICATION	1785.59		2.4282		0.90%	1,801.66	2.4501
LARGE USE SERVICE CLASSIFICATION	14078.67		3.0139		0.90%	14,205.38	3.0410
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	9.19		0.0167		0.90%	9.27	0.0169
STREET LIGHTING SERVICE CLASSIFICATION	1.54		11.7902		0.90%	1.55	11.8963
STANDBY POWER SERVICE CLASSIFICATION	0				0.90%	0.00	0.0000
microFIT SERVICE CLASSIFICATION	5.4					5.4	

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Update the following rates if an OEB Decision has been issued at the time of completing this application

Regulatory Charges

Effective Date of Regulatory Charges		January 1, 2019	January 1, 2020
Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$/kWh	0.25	0.25

Time-of-Use RPP Prices

As of		May 1, 2019
Off-Peak	$/kWh	0.0650
Mid-Peak	$/kWh	0.0940
On-Peak	$/kWh	0.1340

Smart Meter Entity Charge (SME)

Smart Meter Entity Charge (SME)	$	0.57

Distribution Rate Protection (DRP) Amount (Applicable to LDCs under the Distribution Rate Protection program):	$	36.86

Miscellaneous Service Charges

Wireline Pole Attachment Charge	Unit	Current charge	Inflation factor *	Proposed charge ** / ***
Specific charge for access to the power poles - per pole/year	$	43.63	1.20%	44.15

Retail Service Charges		Current charge	Inflation factor*	Proposed charge ***
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	$	100.00	1.20%	101.20
Monthly fixed charge, per retailer	$	40.00	1.20%	40.48
Monthly variable charge, per customer, per retailer	$/cust.	1.00	1.20%	1.01
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.60	1.20%	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	(0.60)	1.20%	(0.61)
Service Transaction Requests (STR)				-
Request fee, per request, applied to the requesting party	$	0.50	1.20%	0.51
Processing fee, per request, applied to the requesting party	$	1.00	1.20%	1.01
Electronic Business Transaction (EBT) system, applied to the requesting party				
up to twice a year		no charge		no charge
more than twice a year, per request (plus incremental delivery costs)	$	4.00	1.20%	4.05
Notice of switch letter charge, per letter	$	2.00	1.20%	2.02

* inflation factor subject to change pending OEB approved inflation rate effective in 2020
** applicable only to LDCs in which the province-wide pole attachment charge applies
*** subject to change pending OEB order on miscellaneous service charges

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

In the Green Cells below, enter all proposed rate riders/rates. Please note that the following rates/charges are to be entered in the Final Tariff Schedule tab: Monthly Service Charge, Distribution Volumetric Rate and Retail Transmission Rates.
In column A, select the rate rider descriptions from the drop-down list in the blue cells. If the rate description cannot be found, enter the rate rider descriptions in the green cells. The rate rider description must begin with "Rate Rider for".
In column B, choose the associated unit from the drop-down menu.
In column C, enter the rate. All rate riders with a "$" unit should be rounded to 2 decimal places and all others rounded to 4 decimal places.
In column E, enter the expiry date (e.g. April 30, 2020) or description of the expiry date in text (e.g. the effective date of the next cost of service-based rate order).
In column G, a sub-total (A or B) should already be assigned to the rate rider unless the rate description was entered into a green cell in column A. In these particular cases, from the dropdown list in column G, choose the appropriate sub-total (A or B) . Sub-Total A refers to rates/rate riders that Not considered as pass through costs (eg: LRAMVA and ICM/ACM rate riders). Sub-Total B refers to rates/rate riders that are considered pass through costs.

RESIDENTIAL SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.12	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.22	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kWh	0.0001	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE 50 TO 499 KW SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.39	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0234	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE 500 TO 4,999 KW SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	8.87	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0121	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

LARGE USE SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	69.94	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0150	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.05	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kWh	0.0001	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

STREET LIGHTING SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.01	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0586	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

STANDBY POWER SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

microFIT SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2019-0018

RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to all residential services including, without limitation, single family or single unit dwellings, multifamily dwellings, row-type dwellings and subdivision developments. Energy is supplied in single phase, 3-wire, or three phase, 4 wire, having a nominal voltage of 120/240 volts. There shall be only one delivery point to a dwelling. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	24.47
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.12
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.12
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.16
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	0.6
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Low Voltage Service Rate	$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0033)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0003
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kWh	0.0002
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until December 31, 2020 Applicable only for Class B Customers	$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	$/kWh	0.0082
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0079

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MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
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EB-2019-0018

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	44.92
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.22
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.21
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.29
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	1.1
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Distribution Volumetric Rate	$/kWh	0.0131
Low Voltage Service Rate	$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0033)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0001
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kWh	0.0003
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until December 31, 2020 Applicable only for Class B Customers	$/kWh	(0.0001)
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0003
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	$/kWh	0.0077
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0071

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
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EB-2019-0018

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
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EB-2019-0018

GENERAL SERVICE 50 TO 499 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 500 kW. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.
Billing demands are established at the greater of 100% of the kW, or 90% of the kVA amounts.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	79.12
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.39
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.38
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.51
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	1.93
Distribution Volumetric Rate	$/kW	4.7614
Low Voltage Service Rate	$/kW	0.0802
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0033)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.2771
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020 Applicable only for Non-Wholesale Market Participants	$/kW	(0.2152)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	0.3300
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until December 31, 2020 Applicable only for Class B Customers	$/kW	(0.0352)
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0226
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0308
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kW	0.1163
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0234
Retail Transmission Rate - Network Service Rate	$/kW	2.9528
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.8139

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
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EB-2019-0018

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Enersource Rate Zone
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EB-2019-0018

GENERAL SERVICE 500 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 500 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

Billing demands are established at the greater of 100% of the kW, or 90% of the kVA amounts.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	1,801.66
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	8.87
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	8.54
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	11.65
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	44
Distribution Volumetric Rate	$/kW	2.4501
Low Voltage Service Rate	$/kW	0.0784
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0033)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.1080
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020 Applicable only for Non-Wholesale Market Participants	$/kW	(0.2659)

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Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	0.4084
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until December 31, 2020 Applicable only for Class B Customers	$/kW	(0.0408)
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0116
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0158
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0598
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0121
Retail Transmission Rate - Network Service Rate	$/kW	2.8568
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.7536

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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LARGE USE SERVICE CLASSIFICATION

This classification refers to an account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

Billing demands are established at the greater of 100% of the kW, or 90% of the kVA amounts.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	14,205.38
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	69.94
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	67.35
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	91.89
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	346.9
Distribution Volumetric Rate	$/kW	3.0410
Low Voltage Service Rate	$/kW	0.0838
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0976
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	0.1787
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0144
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0197

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Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0743
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0150
Retail Transmission Rate - Network Service Rate – Interval Metered	$/kW	3.0485
Retail Transmission Rate - Line and Transformation Connection Service Rate – Interval Metered	$/kW	2.9410

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	$	9.27
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.05
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.04
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.06
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	0.23
Distribution Volumetric Rate	$/kWh	0.0169
Low Voltage Service Rate	$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0033)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kWh	0.0003
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until December 31, 2020 Applicable only for Class B Customers	$/kWh	(0.0001)
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0004
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	$/kWh	0.0077
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0071

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MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting. Street Lighting is unmetered where energy consumption is estimated based on the connected wattage and calculated hours of use using methods established by the Ontario Energy Board. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per luminaire)	$	1.55
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.01
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.01
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.01
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	0.04
Distribution Volumetric Rate	$/kW	11.8963
Low Voltage Service Rate	$/kW	0.058
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0033)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	(2.5841)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	0.1021
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until December 31, 2020 Applicable only for Class B Customers	$/kW	(0.0321)
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0564
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.077
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kW	0.2905
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0586
Retail Transmission Rate - Network Service Rate	$/kW	2.0449
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.0348

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MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that requires Alectra Utilities to provide distribution service on a standby basis as a back-up supply to an on-site generator. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

A Standby Service Charge will be applied for a month where standby power is not provided. The applicable rate is the approved Distribution Volumetric Rate of the applicable service class and is applied to gross metered demand or contracted amount, whichever is greater. A monthly administration charge of $200, for simple metering arrangements, or $500, for complex metering arrangements, will also be applied.

General Service 50 to 499 kW Service Classification - A Standby Service Charge will be applied for a month where standby power is not provided. The applicable rate is the approved Distribution Volumetric Rate of the applicable service class and is applied to gross metered demand or contracted amount, whichever is greater.	$/kW	4.7189
General Service 500 to 4,999 kW Service Classification - A Standby Service Charge will be applied for a month where standby power is not provided. The applicable rate is the approved Distribution Volumetric Rate of the applicable service class and is applied to gross metered demand or contracted amount, whichever is greater.	$/kW	2.4282
Large Use Service Classification - A Standby Service Charge will be applied for a month where standby power is not provided. The applicable rate is the approved Distribution Volumetric Rate of the applicable service class and is applied to gross metered demand or contracted amount, whichever is greater.	$/kW	3.0139

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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment 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	(0.40)
Primary Metering Allowance for transformer losses - applied to measured demand and energy	%	-1

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SPECIFIC SERVICE CHARGES

APPLICATION

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

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Customer Administration

Arrears certificate	$	15
Request for other billing information	$	15
Credit reference/credit check (plus credit agency costs)	$	15
Credit reference/credit check (plus credit agency costs – General Service)	$	25
Income tax letter	$	15
Returned cheque (plus bank charges)	$	12.5
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	$	30
Account set up charge/change of occupancy charge (plus credit agency costs if applicable – Residential)	$	20
Meter dispute charge plus Measurement Canada fees (if meter found correct)	$	10
Special meter reads	$	30
Interval meter request change	$	40

Non-Payment of Account

Late payment - per month	%	1.5
Late payment - per annum	%	19.56
Collection of account charge – no disconnection	$	9
Disconnect/reconnect at meter - during regular hours	$	20
Disconnect/reconnect at pole - during regular hours	$	185
Disconnect/reconnect at pole - after regular hours	$	415

Other

Temporary service install and remove – overhead – no transformer	$	400
Specific Charge for Access to the Power Poles - $/pole/year (with the exception of wireless attachments) - in effect from January 1, 2019	$	44.15

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RETAIL SERVICE CHARGES (if applicable)

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

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

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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	$	101.2
Monthly fixed charge, per retailer	$	40.48
Monthly variable charge, per customer, per retailer	$/cust.	1.01
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	-0.61
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.51
Processing fee, per request, applied to the requesting party	$	1.01
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)	$	4.05
Notice of switch letter charge, per letter	$	2.02

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	1.036
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0256
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The bill comparisons below must be provided for typical customers and consumption levels. Bill impacts must be provided for residential customers consuming 750 kWh per month and general service customers consuming 2,000 kWh per month and having a monthly demand of less than 50 kW. Include bill comparisons for Non-RPP (retailer) as well. **To assess the combined effects of the shift to fixed rates and other bill impacts associated with changes in the cost of distribution service, applicants are to include a total bill impact for a residential customer at the distributor's 10th consumption percentile (In other words, 10% of a distributor's residential customers consume at or less than this level of consumption on a monthly basis). Refer to section 3.2.3 of the Chapter 3 Filing Requirements For Electricity Distribution Rate Applications.**

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

Note:
1. For those classes that are not eligible for the RPP price, the weighted average price including Class B GA through end of May 2018 of $0.1117/kWh (IESO's Monthly Market Report for May 2018, page 22) has been used to represent the cost of power. For those classes on a retailer contract, applicants should enter the contract price (plus GA) for a more accurate estimate. Changes to the cost of power can be made directly on the bill impact table for the specific class.
2. Please enter the applicable billing determinant (e.g. number of connections or devices) to be applied to the monthly service charge for unmetered rate classes in column N. If the monthly service charge is applied on a per customer basis, enter the number "1". Distributors should provide the number of connections or devices reflective of a typical customer in each class.

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

Table 1

RATE CLASSES / CATEGORIES *(eg: Residential TOU, Residential Retailer)*	**Units**	**RPP? Non-RPP Retailer? Non-RPP Other?**	**Current Loss Factor** (eg: 1.0351)	**Proposed Loss Factor**	**Consumption (kWh)**	**Demand kW (if applicable)**	**RTSR Demand or Demand-Interval?**	**Billing Determinant Applied to Fixed Charge for Unmetered Classes (e.g. # of devices/connections).**
RESIDENTIAL SERVICE CLASSIFICATION	**kWh**	RPP	1.036	1.036	750		CONSUMPTION	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	**kWh**	RPP	1.036	1.036	2,000		CONSUMPTION	
GENERAL SERVICE 50 TO 499 KW SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.036	1.036	100,000	230	DEMAND	
GENERAL SERVICE 500 TO 4,999 KW SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.036	1.036	400,000	2,250	DEMAND	
LARGE USE SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.0145	1.0145	3,000,000	5,000	EMAND - INTERVAL	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	**kWh**	RPP	1.036	1.036	300		CONSUMPTION	1
STREET LIGHTING SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.036	1.036	33	0	DEMAND	1
STANDBY POWER SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.036	1.036			DEMAND	
Add additional scenarios if required			1.036	1.036				
Add additional scenarios if required			1.036	1.036				
Add additional scenarios if required			1.036	1.036				
Add additional scenarios if required			1.036	1.036				
Add additional scenarios if required			1.036	1.036				
Add additional scenarios if required			1.036	1.036				
Add additional scenarios if required			1.036	1.036				
Add additional scenarios if required			1.036	1.036				
Add additional scenarios if required			1.036	1.036				
Add additional scenarios if required			1.036	1.036				
Add additional scenarios if required			1.036	1.036				

Add additional scenarios if required			1.036	1.036				

Table 2

RATE CLASSES / CATEGORIES *(eg: Residential TOU, Residential Retailer)*	Units	Sub-Total						Total	
		A		B		C		Total Bill	
		$	%	$	%	$	%	$	%
RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	$ 0.54	2.1%	$ 1.47	5.4%	$ 2.37	6.2%	$ 2.49	2.3%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION - RPP	kWh	$ (0.68)	-0.9%	$ 2.02	2.5%	$ 4.42	4.1%	$ 4.64	1.6%
GENERAL SERVICE 50 TO 499 KW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ (78.88)	-5.8%	$ (436.52)	-30.5%	$ (334.19)	-12.6%	$ (377.63)	-2.3%
GENERAL SERVICE 500 TO 4,999 KW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ (202.00)	-2.5%	$ (974.89)	-12.3%	$ (0.87)	0.0%	$ (0.98)	0.0%
LARGE USE SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ (79.69)	-0.3%	$ 3,972.81	14.0%	$ 6,283.31	11.2%	$ 7,100.14	1.5%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - RPP	kWh	$ 0.20	1.4%	$ 0.61	3.9%	$ 0.97	5.0%	$ 1.09	2.1%
STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 3.53	-377.9%	$ 3.43	-432.7%	$ 3.46	-831.9%	$ 3.91	94.4%
STANDBY POWER SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%

Customer Class:	**RESIDENTIAL SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**RPP**	
Consumption	**750**	**kWh**
Demand	**-**	**kW**
Current Loss Factor	**1.0360**	
Proposed/Approved Loss Factor	**1.0360**	

	Current OEB-Approved			Proposed			Impact		
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change	
Monthly Service Charge	$ 24.25	1	$ 24.25	$ 24.47	1	$ 24.47	$ 0.22	0.91%	
Distribution Volumetric Rate	$ -	750	$ -	$ -	750	$ -	$ -		
Fixed Rate Riders	$ 0.91	1	$ 0.91	$ 1.00	1	$ 1.00	$ 0.09	9.89%	
Volumetric Rate Riders	$ -	750	$ -	$ 0.0003	750	$ 0.23	$ 0.23		
Sub-Total A (excluding pass through)			**$ 25.16**			**$ 25.70**	**$ 0.54**	**2.13%**	
Line Losses on Cost of Power	$ 0.0824	27	$ 2.22	$ 0.0824	27	$ 2.22	$ -	0.00%	
Total Deferral/Variance Account Rate Riders	-$ 0.0011	750	$ (0.83)	$ 0.0002	750	$ 0.15	$ 0.98	-118.18%	
CBR Class B Rate Riders	-$ 0.0001	750	$ (0.04)	-$ 0.0001	750	$ (0.08)	$ (0.04)	100.00%	
GA Rate Riders	$ -	750	$ -	$ -	750	$ -	$ -		
Low Voltage Service Charge	$ 0.0002	750	$ 0.15	$ 0.0002	750	$ 0.15	$ -	0.00%	
Smart Meter Entity Charge (if applicable)	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Volumetric Rate Riders		750	$ -	$ -	750	$ -	$ -		
Sub-Total B - Distribution (includes Sub-Total A)			**$ 27.24**			**$ 28.71**	**$ 1.47**	**5.41%**	
RTSR - Network	$ 0.0076	750	$ 5.70	$ 0.0082	750	$ 6.15	$ 0.45	7.89%	*In the manager's summary, discuss the reasor*
RTSR - Connection and/or Line and Transformation Connection	$ 0.0073	750	$ 5.48	$ 0.0079	750	$ 5.93	$ 0.45	8.22%	*In the manager's summary, discuss the reasor*
Sub-Total C - Delivery (including Sub-Total B)			**$ 38.42**			**$ 40.79**	**$ 2.37**	**6.18%**	
Wholesale Market Service Charge (WMSC)	$ 0.0034	777	$ 2.64	$ 0.0034	777	$ 2.64	$ -	0.00%	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	777	$ 0.39	$ 0.0005	777	$ 0.39	$ -	0.00%	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%	
TOU - Off Peak	$ 0.0650	488	$ 31.69	$ 0.0650	488	$ 31.69	$ -	0.00%	
TOU - Mid Peak	$ 0.0940	128	$ 11.99	$ 0.0940	128	$ 11.99	$ -	0.00%	
TOU - On Peak	$ 0.1340	135	$ 18.09	$ 0.1340	135	$ 18.09	$ -	0.00%	
Total Bill on TOU (before Taxes)			**$ 103.46**			**$ 105.83**	**$ 2.37**	**2.29%**	
HST	13%		$ 13.45	13%		$ 13.76	$ 0.31	2.29%	
8% Rebate	8%		$ (8.28)	8%		$ (8.47)	$ (0.19)		
Total Bill on TOU			**$ 108.63**			**$ 111.12**	**$ 2.49**	**2.29%**	

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	2,000	kWh
Demand	-	kW
Current Loss Factor	1.0360	
Proposed/Approved Loss Factor	1.0360	

	Current OEB-Approved			Proposed			Impact		
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change	
Monthly Service Charge	$ 44.52	1	$ 44.52	$ 44.92	1	$ 44.92	$ 0.40	0.90%	
Distribution Volumetric Rate	$ 0.0130	2000	$ 26.00	$ 0.0131	2000	$ 26.20	$ 0.20	0.77%	
Fixed Rate Riders	$ 1.70	1	$ 1.70	$ 1.82	1	$ 1.82	$ 0.12	7.06%	
Volumetric Rate Riders	$ 0.0014	2000	$ 2.80	$ 0.0007	2000	$ 1.40	$ (1.40)	-50.00%	
Sub-Total A (excluding pass through)			**$ 75.02**			**$ 74.34**	**$ (0.68)**	**-0.91%**	
Line Losses on Cost of Power	$ 0.0824	72	$ 5.93	$ 0.0824	72	$ 5.93	$ -	0.00%	
Total Deferral/Variance Account Rate Riders	-$ 0.0011	2,000	$ (2.20)	$ 0.0003	2,000	$ 0.60	$ 2.80	-127.27%	
CBR Class B Rate Riders	-$ 0.0001	2,000	$ (0.10)	-$ 0.0001	2,000	$ (0.20)	$ (0.10)	100.00%	
GA Rate Riders	$ -	2,000	$ -	$ -	2,000	$ -	$ -		
Low Voltage Service Charge	$ 0.0002	2,000	$ 0.40	$ 0.0002	2,000	$ 0.40	$ -	0.00%	
Smart Meter Entity Charge (if applicable)	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Volumetric Rate Riders		2,000	$ -	$ -	2,000	$ -	$ -		
Sub-Total B - Distribution (includes Sub-Total A)			**$ 79.62**			**$ 81.64**	**$ 2.02**	**2.54%**	
RTSR - Network	$ 0.0071	2,000	$ 14.20	$ 0.0077	2,000	$ 15.40	$ 1.20	8.45%	*In the manager's summary, discuss the reasor*
RTSR - Connection and/or Line and Transformation Connection	$ 0.0065	2,000	$ 13.00	$ 0.0071	2,000	$ 14.20	$ 1.20	9.23%	*In the manager's summary, discuss the reasor*
Sub-Total C - Delivery (including Sub-Total B)			**$ 106.82**			**$ 111.24**	**$ 4.42**	**4.14%**	
Wholesale Market Service Charge (WMSC)	$ 0.0034	2,072	$ 7.04	$ 0.0034	2,072	$ 7.04	$ -	0.00%	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	2,072	$ 1.04	$ 0.0005	2,072	$ 1.04	$ -	0.00%	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%	
TOU - Off Peak	$ 0.0650	1,300	$ 84.50	$ 0.0650	1,300	$ 84.50	$ -	0.00%	
TOU - Mid Peak	$ 0.0940	340	$ 31.96	$ 0.0940	340	$ 31.96	$ -	0.00%	
TOU - On Peak	$ 0.1340	360	$ 48.24	$ 0.1340	360	$ 48.24	$ -	0.00%	
Total Bill on TOU (before Taxes)			**$ 279.85**			**$ 284.27**	**$ 4.42**	**1.58%**	
HST	13%		$ 36.38	13%		$ 36.96	$ 0.57	1.58%	
8% Rebate	8%		$ (22.39)	8%		$ (22.74)	$ (0.35)		
Total Bill on TOU			**$ 293.84**			**$ 298.48**	**$ 4.64**	**1.58%**	

Customer Class:	**GENERAL SERVICE 50 TO 499 KW SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**100,000**	**kWh**
Demand	**230**	**kW**
Current Loss Factor	**1.0360**	
Proposed/Approved Loss Factor	**1.0360**	

	Current OEB-Approved			Proposed			Impact		
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change	
Monthly Service Charge	$ 78.41	1	$ 78.41	$ 79.12	1	$ 79.12	$ 0.71	0.91%	
Distribution Volumetric Rate	$ 4.7189	230	$ 1,085.35	$ 4.7614	230	$ 1,095.12	$ 9.78	0.90%	
Fixed Rate Riders	$ 3.57	1	$ 3.57	$ 3.21	1	$ 3.21	$ (0.36)	-10.08%	
Volumetric Rate Riders	$ 0.8572	230	$ 197.16	$ 0.4702	230	$ 108.15	$ (89.01)	-45.15%	
Sub-Total A (excluding pass through)			**$ 1,364.48**			**$ 1,285.60**	**$ (78.88)**	**-5.78%**	
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -		
Total Deferral/Variance Account Rate Riders	-$ 0.3929	230	$ (90.37)	$ 0.1148	230	$ 26.40	$ 116.77	-129.22%	
CBR Class B Rate Riders	-$ 0.0161	230	$ (3.69)	-$ 0.0352	230	$ (8.10)	$ (4.40)	119.18%	
GA Rate Riders	$ 0.0014	100,000	$ 140.00	-$ 0.0033	100,000	$ (330.00)	$ (470.00)	-335.71%	
Low Voltage Service Charge	$ 0.0802	230	$ 18.45	$ 0.0802	230	$ 18.45	$ -	0.00%	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Volumetric Rate Riders		230	$ -	$ -	230	$ -	$ -		
Sub-Total B - Distribution (includes Sub-Total A)			**$ 1,428.87**			**$ 992.35**	**$ (436.52)**	**-30.55%**	
RTSR - Network	$ 2.7289	230	$ 627.65	$ 2.9528	230	$ 679.14	$ 51.50	8.20%	*In the manager's summary, discuss the reasor*
RTSR - Connection and/or Line and Transformation Connection	$ 2.5929	230	$ 596.37	$ 2.8139	230	$ 647.20	$ 50.83	8.52%	*In the manager's summary, discuss the reasor*
Sub-Total C - Delivery (including Sub-Total B)			**$ 2,652.88**			**$ 2,318.69**	**$ (334.19)**	**-12.60%**	
Wholesale Market Service Charge (WMSC)	$ 0.0034	103,600	$ 352.24	$ 0.0034	103,600	$ 352.24	$ -	0.00%	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	103,600	$ 51.80	$ 0.0005	103,600	$ 51.80	$ -	0.00%	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%	
Average IESO Wholesale Market Price	$ 0.1121	103,600	$ 11,613.56	$ 0.1121	103,600	$ 11,613.56	$ -	0.00%	
Total Bill on Average IESO Wholesale Market Price			**$ 14,670.73**			**$ 14,336.54**	**$ (334.19)**	**-2.28%**	
HST	13%		$ 1,907.20	13%		$ 1,863.75	$ (43.44)	-2.28%	
Total Bill on Average IESO Wholesale Market Price			**$ 16,577.93**			**$ 16,200.29**	**$ (377.63)**	**-2.28%**	

Customer Class:	**GENERAL SERVICE 500 TO 4,999 KW SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**400,000**	**kWh**
Demand	**2,250**	**kW**
Current Loss Factor	**1.0360**	
Proposed/Approved Loss Factor	**1.0360**	

	Current OEB-Approved			Proposed			Impact		
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change	
Monthly Service Charge	$ 1,785.59	1	$ 1,785.59	$ 1,801.66	1	$ 1,801.66	$ 16.07	0.90%	
Distribution Volumetric Rate	$ 2.4282	2250	$ 5,463.45	$ 2.4501	2250	$ 5,512.73	$ 49.27	0.90%	
Fixed Rate Riders	$ 68.15	1	$ 68.15	$ 73.06	1	$ 73.06	$ 4.91	7.20%	
Volumetric Rate Riders	$ 0.3283	2250	$ 738.68	$ 0.2073	2250	$ 466.43	$ (272.25)	-36.86%	
Sub-Total A (excluding pass through)			**$ 8,055.87**			**$ 7,853.87**	**$ (202.00)**	**-2.51%**	
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -		
Total Deferral/Variance Account Rate Riders	-$ 0.4948	2,250	$ (1,113.30)	$ 0.1425	2,250	$ 320.63	$ 1,433.93	-128.80%	
CBR Class B Rate Riders	-$ 0.0200	2,250	$ (44.98)	-$ 0.0408	2,250	$ (91.80)	$ (46.82)	104.10%	
GA Rate Riders	$ 0.0021	400,000	$ 840.00	-$ 0.0033	400,000	$ (1,320.00)	$ (2,160.00)	-257.14%	
Low Voltage Service Charge	$ 0.0784	2,250	$ 176.40	$ 0.0784	2,250	$ 176.40	$ -	0.00%	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Volumetric Rate Riders		2,250	$ -	$ -	2,250	$ -	$ -		
Sub-Total B - Distribution (includes Sub-Total A)			**$ 7,913.99**			**$ 6,939.10**	**$ (974.89)**	**-12.32%**	
RTSR - Network	$ 2.6402	2,250	$ 5,940.45	$ 2.8568	2,250	$ 6,427.80	$ 487.35	8.20%	*In the manager's summary, discuss the reasor*
RTSR - Connection and/or Line and Transformation Connection	$ 2.5373	2,250	$ 5,708.93	$ 2.7536	2,250	$ 6,195.60	$ 486.68	8.52%	*In the manager's summary, discuss the reasor*
Sub-Total C - Delivery (including Sub-Total B)			**$ 19,563.36**			**$ 19,562.50**	**$ (0.87)**	**0.00%**	
Wholesale Market Service Charge (WMSC)	$ 0.0034	414,400	$ 1,408.96	$ 0.0034	414,400	$ 1,408.96	$ -	0.00%	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	414,400	$ 207.20	$ 0.0005	414,400	$ 207.20	$ -	0.00%	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%	
Average IESO Wholesale Market Price	$ 0.1121	414,400	$ 46,454.24	$ 0.1121	414,400	$ 46,454.24	$ -	0.00%	
Total Bill on Average IESO Wholesale Market Price			**$ 67,634.01**			**$ 67,633.15**	**$ (0.87)**	**0.00%**	
HST	13%		$ 8,792.42	13%		$ 8,792.31	$ (0.11)	0.00%	
Total Bill on Average IESO Wholesale Market Price			**$ 76,426.43**			**$ 76,425.45**	**$ (0.98)**	**0.00%**	

Customer Class:	LARGE USE SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	3,000,000	kWh
Demand	5,000	kW
Current Loss Factor	1.0145	
Proposed/Approved Loss Factor	1.0145	

	Current OEB-Approved			Proposed			Impact		
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change	
Monthly Service Charge	$ 14,078.67	1	$ 14,078.67	$ 14,205.38	1	$ 14,205.38	$ 126.71	0.90%	
Distribution Volumetric Rate	$ 3.0139	5000	$ 15,069.50	$ 3.0410	5000	$ 15,205.00	$ 135.50	0.90%	
Fixed Rate Riders	$ 570.48	1	$ 570.48	$ 576.08	1	$ 576.08	$ 5.60	0.98%	
Volumetric Rate Riders	$ 0.2905	5000	$ 1,452.50	$ 0.2210	5000	$ 1,105.00	$ (347.50)	-23.92%	
Sub-Total A (excluding pass through)			**$ 31,171.15**			**$ 31,091.46**	**$ (79.69)**	**-0.26%**	
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -		
Total Deferral/Variance Account Rate Riders	-$ 0.6318	5,000	$ (3,159.00)	$ 0.1787	5,000	$ 893.50	$ 4,052.50	-128.28%	
CBR Class B Rate Riders	$ -	5,000	$ -	$ -	5,000	$ -	$ -		
GA Rate Riders	$ -	3,000,000	$ -	$ -	3,000,000	$ -	$ -		
Low Voltage Service Charge	$ 0.0838	5,000	$ 419.00	$ 0.0838	5,000	$ 419.00	$ -	0.00%	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Volumetric Rate Riders		5,000	$ -	$ -	5,000	$ -	$ -		
Sub-Total B - Distribution (includes Sub-Total A)			**$ 28,431.15**			**$ 32,403.96**	**$ 3,972.81**	**13.97%**	
RTSR - Network	$ 2.8174	5,000	$ 14,087.00	$ 3.0485	5,000	$ 15,242.50	$ 1,155.50	8.20%	*In the manager's summary, discuss the reasor*
RTSR - Connection and/or Line and Transformation Connection	$ 2.7100	5,000	$ 13,550.00	$ 2.9410	5,000	$ 14,705.00	$ 1,155.00	8.52%	*In the manager's summary, discuss the reasor*
Sub-Total C - Delivery (including Sub-Total B)			**$ 56,068.15**			**$ 62,351.46**	**$ 6,283.31**	**11.21%**	
Wholesale Market Service Charge (WMSC)	$ 0.0034	3,043,500	$ 10,347.90	$ 0.0034	3,043,500	$ 10,347.90	$ -	0.00%	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	3,043,500	$ 1,521.75	$ 0.0005	3,043,500	$ 1,521.75	$ -	0.00%	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%	
Average IESO Wholesale Market Price	$ 0.1121	3,043,500	$ 341,176.35	$ 0.1121	3,043,500	$ 341,176.35	$ -	0.00%	
Total Bill on Average IESO Wholesale Market Price			**$ 409,114.40**			**$ 415,397.71**	**$ 6,283.31**	**1.54%**	
HST	13%		$ 53,184.87	13%		$ 54,001.70	$ 816.83	1.54%	
Total Bill on Average IESO Wholesale Market Price			**$ 462,299.27**			**$ 469,399.41**	**$ 7,100.14**	**1.54%**	

Customer Class:	**UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**RPP**	
Consumption	**300**	**kWh**
Demand	**-**	**kW**
Current Loss Factor	**1.0360**	
Proposed/Approved Loss Factor	**1.0360**	

	Current OEB-Approved			Proposed			Impact		
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change	
Monthly Service Charge	$ 9.19	1	$ 9.19	$ 9.27	1	$ 9.27	$ 0.08	0.87%	
Distribution Volumetric Rate	$ 0.0167	300	$ 5.01	$ 0.0169	300	$ 5.07	$ 0.06	1.20%	
Fixed Rate Riders	$ 0.35	1	$ 0.35	$ 0.38	1	$ 0.38	$ 0.03	8.57%	
Volumetric Rate Riders	$ 0.0006	300	$ 0.18	$ 0.0007	300	$ 0.21	$ 0.03	16.67%	
Sub-Total A (excluding pass through)			**$ 14.73**			**$ 14.93**	**$ 0.20**	**1.36%**	
Line Losses on Cost of Power	$ 0.0824	11	$ 0.89	$ 0.0824	11	$ 0.89	$ -	0.00%	
Total Deferral/Variance Account Rate Riders	-$ 0.0011	300	$ (0.33)	$ 0.0003	300	$ 0.09	$ 0.42	-127.27%	
CBR Class B Rate Riders	-$ 0.0001	300	$ (0.02)	-$ 0.0001	300	$ (0.03)	$ (0.02)	100.00%	
GA Rate Riders	$ -	300	$ -	$ -	300	$ -	$ -		
Low Voltage Service Charge	$ 0.0002	300	$ 0.06	$ 0.0002	300	$ 0.06	$ -	0.00%	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Volumetric Rate Riders		300	$ -	$ -	300	$ -	$ -		
Sub-Total B - Distribution (includes Sub-Total A)			**$ 15.33**			**$ 15.94**	**$ 0.61**	**3.95%**	
RTSR - Network	$ 0.0071	300	$ 2.13	$ 0.0077	300	$ 2.31	$ 0.18	8.45%	*In the manager's summary, discuss the reasor*
RTSR - Connection and/or Line and Transformation Connection	$ 0.0065	300	$ 1.95	$ 0.0071	300	$ 2.13	$ 0.18	9.23%	*In the manager's summary, discuss the reasor*
Sub-Total C - Delivery (including Sub-Total B)			**$ 19.41**			**$ 20.38**	**$ 0.97**	**4.97%**	
Wholesale Market Service Charge (WMSC)	$ 0.0034	311	$ 1.06	$ 0.0034	311	$ 1.06	$ -	0.00%	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	311	$ 0.16	$ 0.0005	311	$ 0.16	$ -	0.00%	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%	
TOU - Off Peak	$ 0.0650	195	$ 12.68	$ 0.0650	195	$ 12.68	$ -	0.00%	
TOU - Mid Peak	$ 0.0940	51	$ 4.79	$ 0.0940	51	$ 4.79	$ -	0.00%	
TOU - On Peak	$ 0.1340	54	$ 7.24	$ 0.1340	54	$ 7.24	$ -	0.00%	
Total Bill on TOU (before Taxes)			**$ 45.58**			**$ 46.55**	**$ 0.97**	**2.12%**	
HST	13%		$ 5.93	13%		$ 6.05	$ 0.13	2.12%	
Total Bill on TOU			**$ 51.51**			**$ 52.60**	**$ 1.09**	**2.12%**	

Customer Class:	**STREET LIGHTING SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**33**	**kWh**
Demand	**0**	**kW**
Current Loss Factor	**1.0360**	
Proposed/Approved Loss Factor	**1.0360**	

	Current OEB-Approved			Proposed			Impact		
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change	
Monthly Service Charge	$ 1.54	1	$ 1.54	$ 1.55	1	$ 1.55	$ 0.01	0.65%	
Distribution Volumetric Rate	$ 11.7902	0.1	$ 1.18	$ 11.8963	0.1	$ 1.19	$ 0.01	0.90%	
Fixed Rate Riders	$ 0.06	1	$ 0.06	$ 0.07	1	$ 0.07	$ 0.01	16.67%	
Volumetric Rate Riders	-$ 37.1425	0.1	$ (3.71)	-$ 2.1016	0.1	$ (0.21)	$ 3.50	-94.34%	
Sub-Total A (excluding pass through)			**$ (0.94)**			**$ 2.60**	**$ 3.53**	**-377.95%**	
Line Losses on Cost of Power	$ 0.1121	1	$ 0.13	$ 0.1121	1	$ 0.13	$ -	0.00%	
Total Deferral/Variance Account Rate Riders	-$ 0.4076	0	$ (0.04)	$ 0.1021	0	$ 0.01	$ 0.05	-125.05%	
CBR Class B Rate Riders	-$ 0.0166	0	$ (0.00)	-$ 0.0321	0	$ (0.00)	$ (0.00)	93.96%	
GA Rate Riders	$ 0.0014	33	$ 0.05	-$ 0.0033	33	$ (0.11)	$ (0.16)	-335.71%	
Low Voltage Service Charge	$ 0.0580	0	$ 0.01	$ 0.0580	0	$ 0.01	$ -	0.00%	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Volumetric Rate Riders		0	$ -	$ -	0	$ -	$ -		
Sub-Total B - Distribution (includes Sub-Total A)			**$ (0.79)**			**$ 2.64**	**$ 3.43**	**-432.70%**	
RTSR - Network	$ 1.8899	0	$ 0.19	$ 2.0449	0	$ 0.20	$ 0.02	8.20%	*In the manager's summary, discuss the reasor*
RTSR - Connection and/or Line and Transformation Connection	$ 1.8750	0	$ 0.19	$ 2.0348	0	$ 0.20	$ 0.02	8.52%	*In the manager's summary, discuss the reasor*
Sub-Total C - Delivery (including Sub-Total B)			**$ (0.42)**			**$ 3.04**	**$ 3.46**	**-831.89%**	
Wholesale Market Service Charge (WMSC)	$ 0.0034	34	$ 0.12	$ 0.0034	34	$ 0.12	$ -	0.00%	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	34	$ 0.02	$ 0.0005	34	$ 0.02	$ -	0.00%	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%	
Average IESO Wholesale Market Price	$ 0.1121	33	$ 3.70	$ 0.1121	33	$ 3.70	$ -	0.00%	
Total Bill on Average IESO Wholesale Market Price			**$ 3.67**			**$ 7.13**	**$ 3.46**	**94.38%**	
HST	13%		$ 0.48	13%		$ 0.93	$ 0.45	94.38%	
Total Bill on Average IESO Wholesale Market Price			**$ 4.14**			**$ 8.05**	**$ 3.91**	**94.38%**	

Customer Class:	**STANDBY POWER SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**-**	**kWh**
Demand	**-**	**kW**
Current Loss Factor	**1.0360**	
Proposed/Approved Loss Factor	**1.0360**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ -	1	$ -	$ -	1	$ -	$ -	
Distribution Volumetric Rate	$ -	0	$ -	$ -	0	$ -	$ -	
Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Volumetric Rate Riders	$ -	0	$ -	$ -	0	$ -	$ -	
Sub-Total A (excluding pass through)			**$ -**			**$ -**	**$ -**	
Line Losses on Cost of Power	$ 0.1121	-	$ -	$ 0.1121	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
CBR Class B Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
GA Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
Low Voltage Service Charge	$ -	-	$ -		-	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		-	$ -	$ -	-	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ -**			**$ -**	**$ -**	
RTSR - Network	$ -	-	$ -	$ -	-	$ -	$ -	
RTSR - Connection and/or Line and Transformation Connection	$ -	-	$ -	$ -	-	$ -	$ -	
Sub-Total C - Delivery (including Sub-Total B)			**$ -**			**$ -**	**$ -**	
Wholesale Market Service Charge (WMSC)	$ 0.0034	-	$ -	$ 0.0034	-	$ -	$ -	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	-	$ -	$ 0.0005	-	$ -	$ -	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	-	$ -	$ 0.1121	-	$ -	$ -	
Total Bill on Average IESO Wholesale Market Price			**$ 0.25**			**$ 0.25**	**$ -**	**0.00%**
HST	13%		$ 0.03	13%		$ 0.03	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 0.28**			**$ 0.28**	**$ -**	**0.00%**

G-STAFF-1
ATTACHMENT 3 – RGM GRZ

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Version 2.0

Utility Name	Alectra Utilities Corporation
Service Territory	Guelph Rate Zone
Assigned EB Number	EB-2019-0018
Name of Contact and Title	Indy J. Butany-DeSouza, Vice-President, Regulatory Affairs
Phone Number	905-821-5727
Email Address	indy.butany@alectrautilities.com
We are applying for rates effective	January-01-20
Rate-Setting Method	**Price Cap IR**

1. Select the last Cost of Service rebasing year	**2016**
2. Select the year that the balances of Accounts 1588 and 1589 were last approved for disposition ***(e.g. If 2017 balances were approved for disposition in the 2019 rate application, select 2017)***	**2017**
3. Select the year that the balances of the remaining Group 1 DVAs were last approved for disposition	**2017**
4. Select the earliest vintage year in which there is a balance in Account 1595 ***(e.g. If 2016 is the earliest vintage year in which there is a balance in a 1595 sub-account, select 2016)***	**2013**
5. Did you have any Class A customers at any point during the period that the Account 1589 balance accumulated (i.e. from the year the balance was last disposed to the year requested for disposition)?	**Yes**
6. Did you have any customers classified as Class A at any point during the period where the balance in Account 1580, Sub-account CBR Class B accumulated (i.e. from the year the balance was last disposed to the year requested for disposition)?	**Yes**
7. Retail Transmission Service Rates: Alectra Utilities Corporation is:	**Transmission Connected**
8. Have you transitioned to fully fixed rates?	**Yes**

Legend

- Pale green cells represent input cells.
- Pale blue cells represent drop-down lists. The applicant should select the appropriate item from the drop-down list.
- Red cells represents flags to identify either non-matching values or incorrect user selections.
- Pale grey cell represent auto-populated RRR data.
- White cells contain fixed values, automatically generated values or formulae.

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

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

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

RESIDENTIAL SERVICE CLASSIFICATION

This classification includes accounts taking electricity at 750 volts or less where the electricity is used exclusively in a separately metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	29.22
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(0.18)
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on a Interim Basis	$/kWh	0.0058
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on a Interim Basis	$/kWh	0.0010
Rate Rider for Disposition and Recovery/Refund of Regulatory Balances Control Account (2019) Applicable only for Non-RPP Customers - effective until December 31, 2019 - Approved on a Interim Basis	$/kWh	0.0018
Retail Transmission Rate - Network Service Rate	$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0062

MONTHLY RATES AND CHARGES - Regulatory Component

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

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	16.94
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(0.50)
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Distribution Volumetric Rate	$/kWh	0.0142
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on a Interim Basis	$/kWh	0.0058
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on a Interim Basis	$/kWh	0.0010
Rate Rider for Disposition and Recovery/Refund of Regulatory Balances Control Account (2019) Applicable only for Non-RPP Customers - effective until December 31, 2019 - Approved on a Interim Basis	$/kWh	0.0006
Retail Transmission Rate - Network Service Rate	$/kWh	0.0062
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0055

MONTHLY RATES AND CHARGES - Regulatory Component

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

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2019

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EB-2018-0036

GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION

This classification includes non-residential accounts where monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 1,000 kW. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply: General Service 50 to 999 kW non-interval metered, and General Service 50 to 999 kW interval metered. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	183.66
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(3.80)
Distribution Volumetric Rate	$/kW	2.7982
Low Voltage Service Rate	$/kW	0.0121
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on a Interim Basis	$/kWh	0.0058
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.0693
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 Applicable only for Non-Wholesale Market Participants - Approved on a Interim Basis	$/kW	(0.4033)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on a Interim Basis	$/kW	0.7679
Rate Rider for Disposition and Recovery/Refund of Regulatory Balances Control Account (2019) Applicable only for Customers who were in Class B classification as at December 31, 2016, excluding Wholesale Market Participants - effective until December 31, 2019 - Approved on a Interim Basis	$/kWh	(0.0002)
Retail Transmission Rate - Network Service Rate	$/kW	2.6001
Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	2.6970
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3084
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.3950

MONTHLY RATES AND CHARGES - Regulatory Component

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

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2019

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EB-2018-0036

GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION

This classification includes non-residential accounts where monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than 1,000 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

The rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to WMP, customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	580.97
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(46.33)
Distribution Volumetric Rate	$/kW	3.1063
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on a Interim Basis	$/kWh	0.0058
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.0727
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on a Interim Basis	$/kW	0.4756
Rate Rider for Disposition and Recovery/Refund of Regulatory Balances Control Account (2019) Applicable only for Customers who were in Class B classification as at December 31, 2016 - effective until December 31, 2019 - Approved on a Interim Basis	$/kWh	0.0025
Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	2.6970
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.3950

MONTHLY RATES AND CHARGES - Regulatory Component

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

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2019

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EB-2018-0036

LARGE USE SERVICE CLASSIFICATION

This classification refers to an account where monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	1,116.83
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(151.18)
Distribution Volumetric Rate	$/kW	2.7908
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.7230
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on a Interim Basis	$/kW	0.4765
Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	3.2570
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.8919

MONTHLY RATES AND CHARGES - Regulatory Component

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

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2019

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EB-2018-0036

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification includes accounts taking electricity at 750 volts or less where monthly average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. These connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The customer provides detailed manufacturer information/documentation with regard to electrical demand/consumption of the proposed load. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	$	4.96
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(0.05)
Distribution Volumetric Rate	$/kWh	0.0226
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on a Interim Basis	$/kWh	0.0058
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on a Interim Basis	$/kWh	0.0010
Retail Transmission Rate - Network Service Rate	$/kWh	0.0062
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0055

MONTHLY RATES AND CHARGES - Regulatory Component

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

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide back-up 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - APPROVED ON AN INTERIM BASIS

Standby Charge - the charge is based on the applicable General Service 50 to 999 kW, or General Service 1,000 to 4,999 kW or Large Use Distribution Volumetric Rate applied to the generator's peak demand. A Standby Service Charge will be applied for a month where standby power is provided partially or is not provided.

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	$	7.67
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(0.11)
Distribution Volumetric Rate	$/kW	8.4893
Low Voltage Service Rate	$/kW	0.0089
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on a Interim Basis	$/kWh	0.0060
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on a Interim Basis	$/kW	0.3598
Rate Rider for Disposition and Recovery/Refund of Regulatory Balances Control Account (2019) Applicable only for Non-RPP Customers - effective until December 31, 2019 - Approved on a Interim Basis	$/kWh	(0.0004)
Retail Transmission Rate - Network Service Rate	$/kW	1.9906
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.7675

MONTHLY RATES AND CHARGES - Regulatory Component

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

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

STREET LIGHTING SERVICE CLASSIFICATION

This classification is for roadway lighting with the Municipality. The consumption for this customer is based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	$	0.44
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(0.01)
Distribution Volumetric Rate	$/kW	10.4080
Low Voltage Service Rate	$/kW	0.0107
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on a Interim Basis	$/kWh	0.0058
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	(0.7203)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on a Interim Basis	$/kW	0.3604
Rate Rider for Disposition and Recovery/Refund of Regulatory Balances Control Account (2019) Applicable only for Non-RPP Customers - effective until December 31, 2019 - Approved on a Interim Basis	$/kWh	(0.0002)
Retail Transmission Rate - Network Service Rate	$/kW	2.3954
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.1267

MONTHLY RATES AND CHARGES - Regulatory Component

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

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	5.40

ALLOWANCES

Transformer Allowance for Ownership by General Service 50 to 999 kW customers - per kW of billing demand/month	$/kW	(0.72)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	(1.00)

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

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

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

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Customer Administration

Arrears certificate	$	15.00
Returned cheque (plus bank charges)	$	8.55
Account setup charge/change of occupancy charge (plus credit agency costs if applicable)	$	8.75
Meter dispute charge plus Measurement Canada fees (if meter found correct)	$	10.00
Credit service charge for paperless bill	$	(10.00)

Non-Payment of Account

Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	$	9.00
Disconnect/reconnect at meter - during regular hours	$	20.00
Disconnect/reconnect at meter - after regular hours	$	50.00
Disconnect/reconnect at pole - during regular hours	$	50.00
Disconnect/reconnect at pole - after regular hours	$	95.00

Other

Service call - customer owned equipment	$	17.50
Service call - after regular hours	$	95.00
Specific charge for access to the power poles - $/pole/year (with the exception of wireless attachments)	$	43.63
Overhead bond connection - per connection	$	105.00
Underground bond connection - per connection	$	100.00

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.026
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0137
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0157
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0036

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

		2013									
Account Descriptions	**Account Number**	**Opening Principal Amounts as of Jan 1, 2013**	**Transactions Debit / (Credit) during 2013**	**OEB-Approved Disposition during 2013**	**Principal Adjustments[1] during 2013**	**Closing Principal Balance as of Dec 31, 2013**	**Opening Interest Amounts as of Jan 1, 2013**	**Interest Jan 1 to Dec 31, 2013**	**OEB-Approved Disposition during 2013**	**Interest Adjustments[1] during 2013**	**Closing Interest Amounts as of Dec 31, 2013**
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge[5]	1580					0					0
Variance WMS – Sub-account CBR Class A[5]	1580					0					0
Variance WMS – Sub-account CBR Class B[5]	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power[4]	1588					0					0
RSVA - Global Adjustment[4]	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2014)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3] *Not to be disposed of until a year after rate rider has expired and that balance has been audited*	1595					0					0
RSVA - Global Adjustment	**1589**	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance		0	0	0	0	0	0	0	0	0	0
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**										
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

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		2014									
Account Descriptions	**Account Number**	**Opening Principal Amounts as of Jan 1, 2014**	**Transactions Debit / (Credit) during 2014**	**OEB-Approved Disposition during 2014**	**Principal Adjustments[1] during 2014**	**Closing Principal Balance as of Dec 31, 2014**	**Opening Interest Amounts as of Jan 1, 2014**	**Interest Jan 1 to Dec 31, 2014**	**OEB-Approved Disposition during 2014**	**Interest Adjustments[1] during 2014**	**Closing Interest Amounts as of Dec 31, 2014**
Group 1 Accounts											
LV Variance Account	1550	0				0	0				0
Smart Metering Entity Charge Variance Account	1551	0				0	0				0
RSVA - Wholesale Market Service Charge[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B[5]	1580	0				0	0				0
RSVA - Retail Transmission Network Charge	1584	0				0	0				0
RSVA - Retail Transmission Connection Charge	1586	0				0	0				0
RSVA - Power[4]	1588	0				0	0				0
RSVA - Global Adjustment[4]	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2014)[3]	1595	0	3,135,998	2,822,103		313,895	0	(40,003)	351,100		(391,103)
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3] *Not to be disposed of until a year after rate rider has expired and that balance has been audited*	1595	0				0	0				0
RSVA - Global Adjustment	**1589**	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		0	3,135,998	2,822,103	0	313,895	0	(40,003)	351,100	0	(391,103)
Total Group 1 Balance		0	3,135,998	2,822,103	0	313,895	0	(40,003)	351,100	0	(391,103)
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**				912,188	912,188				18,920	18,920
Total including Account 1568		0	3,135,998	2,822,103	912,188	1,226,083	0	(40,003)	351,100	18,920	(372,183)

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

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		2015									
Account Descriptions	**Account Number**	**Opening Principal Amounts as of Jan 1, 2015**	**Transactions Debit / (Credit) during 2015**	**OEB-Approved Disposition during 2015**	**Principal Adjustments[1] during 2015**	**Closing Principal Balance as of Dec 31, 2015**	**Opening Interest Amounts as of Jan 1, 2015**	**Interest Jan 1 to Dec 31, 2015**	**OEB-Approved Disposition during 2015**	**Interest Adjustments[1] during 2015**	**Closing Interest Amounts as of Dec 31, 2015**
Group 1 Accounts											
LV Variance Account	1550	0				0	0				0
Smart Metering Entity Charge Variance Account	1551	0				0	0				0
RSVA - Wholesale Market Service Charge[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B[5]	1580	0				0	0				0
RSVA - Retail Transmission Network Charge	1584	0				0	0				0
RSVA - Retail Transmission Connection Charge	1586	0				0	0				0
RSVA - Power[4]	1588	0				0	0				0
RSVA - Global Adjustment[4]	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2014)[3]	1595	313,895	56,659			370,555	(391,103)	4,561			(386,542)
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595	0	(6,317,168)	(6,347,694)		30,526	0	36,518	(618,186)		654,704
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3]											
Not to be disposed of until a year after rate rider has expired and that balance has been audited	1595	0				0	0				0
RSVA - Global Adjustment	**1589**	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		313,895	(6,260,509)	(6,347,694)	0	401,080	(391,103)	41,079	(618,186)	0	268,162
Total Group 1 Balance		313,895	(6,260,509)	(6,347,694)	0	401,080	(391,103)	41,079	(618,186)	0	268,162
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**	912,188	645,351			1,557,539	18,920	14,181			33,101
Total including Account 1568		1,226,083	(5,615,158)	(6,347,694)	0	1,958,619	(372,183)	55,260	(618,186)	0	301,263

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

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		2016									
Account Descriptions	**Account Number**	**Opening Principal Amounts as of Jan 1, 2016**	**Transactions Debit / (Credit) during 2016**	**OEB-Approved Disposition during 2016**	**Principal Adjustments[1] during 2016**	**Closing Principal Balance as of Dec 31, 2016**	**Opening Interest Amounts as of Jan 1, 2016**	**Interest Jan 1 to Dec 31, 2016**	**OEB-Approved Disposition during 2016**	**Interest Adjustments[1] during 2016**	**Closing Interest Amounts as of Dec 31, 2016**
Group 1 Accounts											
LV Variance Account	1550	0				0	0				0
Smart Metering Entity Charge Variance Account	1551	0				0	0				0
RSVA - Wholesale Market Service Charge[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B[5]	1580	0				0	0				0
RSVA - Retail Transmission Network Charge	1584	0				0	0				0
RSVA - Retail Transmission Connection Charge	1586	0				0	0				0
RSVA - Power[4]	1588	0				0	0				0
RSVA - Global Adjustment[4]	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2014)[3]	1595	370,555	31	313,895		56,690	(386,542)	911	(387,360)		1,729
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595	30,526	(97,851)			(67,325)	654,704	(888)			653,816
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595	0	(2,181,664)	(3,096,832)		915,168	0	20,642	364,632		(343,990)
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3]											
Not to be disposed of until a year after rate rider has expired and that balance has been audited	1595	0				0	0				0
RSVA - Global Adjustment	**1589**	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		401,080	(2,279,484)	(2,782,937)	0	904,533	268,162	20,665	(22,728)	0	311,555
Total Group 1 Balance		401,080	(2,279,484)	(2,782,937)	0	904,533	268,162	20,665	(22,728)	0	311,555
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**	1,557,539	393,177	288,941	(239,788)	1,421,987	33,101	13,299	13,680	47	32,767
Total including Account 1568		1,958,619	(1,886,307)	(2,493,996)	(239,788)	2,326,520	301,263	33,964	(9,048)	47	344,322

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

		2017									
Account Descriptions	**Account Number**	**Opening Principal Amounts as of Jan 1, 2017**	**Transactions Debit / (Credit) during 2017**	**OEB-Approved Disposition during 2017**	**Principal Adjustments[1] during 2017**	**Closing Principal Balance as of Dec 31, 2017**	**Opening Interest Amounts as of Jan 1, 2017**	**Interest Jan 1 to Dec 31, 2017**	**OEB-Approved Disposition during 2017**	**Interest Adjustments[1] during 2017**	**Closing Interest Amounts as of Dec 31, 2017**
Group 1 Accounts											
LV Variance Account	1550	0			158,123	158,123	0			1,971	1,971
Smart Metering Entity Charge Variance Account	1551	0			(28,945)	(28,945)	0			(454)	(454)
RSVA - Wholesale Market Service Charge[5]	1580	0			(3,209,072)	(3,209,072)	0			(45,741)	(45,741)
Variance WMS – Sub-account CBR Class A[5]	1580	0			0	0	0			50	50
Variance WMS – Sub-account CBR Class B[5]	1580	0			(71,555)	(71,555)	0			6,144	6,144
RSVA - Retail Transmission Network Charge	1584	0			1,044,937	1,044,937	0			(1,051)	(1,051)
RSVA - Retail Transmission Connection Charge	1586	0			1,301,188	1,301,188	0			6,191	6,191
RSVA - Power[4]	1588	0			(1,173,419)	(1,173,419)	0			(36,365)	(36,365)
RSVA - Global Adjustment[4]	1589	0			6,417,996	6,417,996	0			109,103	109,103
Disposition and Recovery/Refund of Regulatory Balances (2013)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2014)[3]	1595	56,690		56,659		31	1,729		1,441		288
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595	(67,325)		30,526		(97,851)	653,816	(1,146)	655,040		(2,370)
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595	915,168	(33,201)		171,801	1,053,768	(343,990)	11,053		7,702	(325,235)
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	0	5,342,267	6,225,622		(883,355)	0	(38,495)	(581,504)		543,009
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3]											
Not to be disposed of until a year after rate rider has expired and that balance has been audited	1595	0				0	0				0
RSVA - Global Adjustment	**1589**	0	0	0	6,417,996	6,417,996	0	0	0	109,103	109,103
Total Group 1 Balance excluding Account 1589 - Global Adjustment		904,533	5,309,066	6,312,807	(1,806,943)	(1,906,150)	311,555	(28,588)	74,977	(61,551)	146,438
Total Group 1 Balance		904,533	5,309,066	6,312,807	4,611,053	4,511,846	311,555	(28,588)	74,977	47,552	255,541
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**	1,421,987	606,218	1,028,810		999,395	32,767	9,430	30,785	(1,543)	9,869
Total including Account 1568		2,326,520	5,915,284	7,341,617	4,611,053	5,511,241	344,322	(19,159)	105,762	46,009	265,410

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

		2018									
Account Descriptions	**Account Number**	**Opening Principal Amounts as of Jan 1, 2018**	**Transactions Debit / (Credit) during 2018**	**OEB-Approved Disposition during 2018**	**Principal Adjustments[1] during 2018**	**Closing Principal Balance as of Dec 31, 2018**	**Opening Interest Amounts as of Jan 1, 2018**	**Interest Jan 1 to Dec 31, 2018**	**OEB-Approved Disposition during 2018**	**Interest Adjustments[1] during 2018**	**Closing Interest Amounts as of Dec 31, 2018**
Group 1 Accounts											
LV Variance Account	1550	158,123	66,742	81,768		143,096	1,971	2,135	1,348		2,758
Smart Metering Entity Charge Variance Account	1551	(28,945)	(65,318)	(20,636)		(73,627)	(454)	(1,100)	(323)		(1,231)
RSVA - Wholesale Market Service Charge[5]	1580	(3,209,072)	(315,340)	(1,627,076)	69,504	(1,827,832)	(45,741)	(33,936)	(25,742)		(53,935)
Variance WMS – Sub-account CBR Class A[5]	1580	0		0		0	50		0		50
Variance WMS – Sub-account CBR Class B[5]	1580	(71,555)	(16,417)	(62,618)		(25,354)	6,144	(502)	(1,165)		6,807
RSVA - Retail Transmission Network Charge	1584	1,044,937	(40,471)	(641,050)		1,645,515	(1,051)	30,007	(9,229)		38,185
RSVA - Retail Transmission Connection Charge	1586	1,301,188	674,437	(258,199)		2,233,824	6,191	35,845	(2,777)		44,813
RSVA - Power[4]	1588	(1,173,419)	(45,719)	(1,031,019)	0	(188,118)	(36,365)	(2,656)	(28,453)		(10,568)
RSVA - Global Adjustment[4]	1589	6,417,996	(2,229,900)	3,285,963	61,104	963,237	109,103	36,021	79,013		66,111
Disposition and Recovery/Refund of Regulatory Balances (2013)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2014)[3]	1595	31				31	288				288
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595	(97,851)		(97,851)		(0)	(2,370)	70	(2,300)		(0)
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595	1,053,768	0			1,053,768	(325,235)	16,427			(308,809)
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	(883,355)	84,444			(798,911)	543,009	(14,742)			528,267
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	0	29,369	(22,458)		51,827	0	936	(16,681)		17,617
Disposition and Recovery/Refund of Regulatory Balances (2019)[3]											
Not to be disposed of until a year after rate rider has expired and that balance has been audited	1595	0				0	0				0
RSVA - Global Adjustment	**1589**	6,417,996	(2,229,900)	3,285,963	61,104	963,237	109,103	36,021	79,013	0	66,111
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(1,906,150)	371,727	(3,679,139)	69,504	2,214,220	146,438	32,483	(85,320)	0	264,241
Total Group 1 Balance		4,511,846	(1,858,173)	(393,176)	130,608	3,177,457	255,541	68,504	(6,307)	0	330,352
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**	999,395	782,938	393,177		1,389,156	9,869	19,021	6,307		22,582
Total including Account 1568		5,511,241	(1,075,235)	1	130,608	4,566,613	265,410	87,525	0	0	352,935

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

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		2019				Projected Interest on Dec-31-18 Balances					2.1.7 RRR	
Account Descriptions	**Account Number**	**Principal Disposition during 2019 - instructed by OEB**	**Interest Disposition during 2019 - instructed by OEB**	**Closing Principal Balances as of Dec 31, 2018 Adjusted for Disposition during 2019**	**Closing Interest Balances as of Dec 31, 2018 Adjusted for Disposition during 2019**	**Projected Interest from Jan 1, 2019 to Dec 31, 2019 on Dec 31, 2018 balance adjusted for disposition during 2019 [2]**	**Projected Interest from Jan 1, 2020 to Apr 30, 2020 on Dec 31, 2018 balance adjusted for disposition during 2019 [2]**	**Total Interest**	**Total Claim**	**Account Disposition: Yes/No?**	**As of Dec 31, 2018**	**Variance RRR vs. 2018 Balance *(Principal + Interest)***
Group 1 Accounts												
LV Variance Account	1550	76,354	1,992	66,742	766	1,500		2,266	69,008		145,855	0
Smart Metering Entity Charge Variance Account	1551	(8,309)	(280)	(65,318)	(951)	(1,468)		(2,419)	(67,737)		(74,858)	0
RSVA - Wholesale Market Service Charge[5]	1580	(1,581,996)	(48,356)	(245,836)	(5,579)	(5,525)		(11,104)	(256,939)		(2,013,655)	(131,888)
Variance WMS – Sub-account CBR Class A[5]	1580	0	0	0	50	0		50	0		50	0
Variance WMS – Sub-account CBR Class B[5]	1580	(8,937)	7,149	(16,417)	(342)	(369)		(711)	(17,128)		(25,668)	(7,120)
RSVA - Retail Transmission Network Charge	1584	1,685,987	38,400	(40,471)	(214)	(910)		(1,124)	(41,595)		1,683,701	0
RSVA - Retail Transmission Connection Charge	1586	1,559,387	36,920	674,437	7,892	15,158		23,050	697,487		2,278,637	0
RSVA - Power[4]	1588	(142,399)	(10,465)	(45,719)	(103)	(1,028)		(1,131)	(46,850)	Yes	(198,686)	(0)
RSVA - Global Adjustment[4]	1589	3,132,033	86,232	(2,168,796)	(20,120)	(48,744)		(68,864)	(2,237,660)	Yes	699,639	(329,709)
Disposition and Recovery/Refund of Regulatory Balances (2013)[3]	1595			0	0	0		0	0	No	0	0
Disposition and Recovery/Refund of Regulatory Balances (2014)[3]	1595			31	288	1		288	0	No	0	(319)
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595			(0)	(0)	(0)		(0)	0	No	0	0
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595	1,053,768	(306,347)	0	(2,462)	0		(2,462)	0	No	744,959	(0)
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595			(798,911)	528,267	(17,956)		510,311	(288,600)	Yes	(270,644)	0
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595			51,827	17,617	1,165		18,782	0	No	69,762	318
Disposition and Recovery/Refund of Regulatory Balances (2019)[3]										No		
Not to be disposed of until a year after rate rider has expired and that balance has been audited	1595	(6,372,106)	180,327	6,372,106	(180,327)	143,213		(37,114)	0			0
RSVA - Global Adjustment	**1589**	3,132,033	86,232	(2,168,796)	(20,120)	(48,744)	0	(68,864)	(2,237,660)		699,639	(329,709)
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(3,738,251)	(100,660)	5,952,472	364,901	133,782	0	498,683	47,646		2,365,070	(113,391)
Total Group 1 Balance		5,765,888	(14,428)	3,783,676	344,781	85,038	0	429,819	(2,190,014)		3,064,709	(443,101)
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**	606,218	14,428	782,938	8,154	17,597		25,751	808,689		1,411,739	0
Total including Account 1568		6,372,106	(0)	4,566,614	352,935	102,635	0	455,570	(1,381,325)		4,476,448	(443,100)

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Data on this worksheet has been populated using your most recent RRR filing.

If you have identified any issues, please contact the OEB.

Have you confirmed the accuracy of the data below?

If a distributor uses the actual GA price to bill non-RPP Class B customers for an entire rate class, it must exclude these customers from the allocation of the GA balance and the calculation of the resulting rate riders. These rate classes are not to be charged/refunded the general GA rate rider as they did not contribute to the GA balance.

Please contact the OEB to make adjustments to the IRM rate generator for this situation.

Rate Class	Unit	Total Metered kWh	Total Metered kW	Metered kWh for Non-RPP Customers (excluding WMP)	Metered kW for Non RPP Customers (excluding WMP)	Metered kWh for Wholesale Market Participants (WMP)	Metered kW for Wholesale Market Participants (WMP)	Total Metered kWh less WMP consumption *(if applicable)*	Total Metered kW less WMP consumption *(if applicable)*	1595 Recovery Proportion (2017) [1]	1568 LRAM Variance Account Class Allocation ($ amounts)	Number of Customers for Residential and GS<50 classes[3]
RESIDENTIAL SERVICE CLASSIFICATION	kWh	384,041,745	0	11,061,065	0	0	0	384,041,745	0	22%		50,914
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	142,209,076	0	24,681,089	0	0	0	142,209,076	0	8%		4,134
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	402,350,218	1,097,499	355,315,128	967,344	6,050,229	12,911	396,299,989	1,084,588	22%		
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	540,417,878	1,135,425	539,909,081	1,127,783	508,797	7,642	539,909,081	1,127,783	31%		
LARGE USE SERVICE CLASSIFICATION	kW	197,428,962	423,180	197,428,962	423,180	0	0	197,428,962	423,180	16%		
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,810,678	0	376,374	0	0	0	1,810,678	0	0%		
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0	0%		
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	18,189	51	0	0	0	0	18,189	51	0%		
STREET LIGHTING SERVICE CLASSIFICATION	kW	10,182,750	28,425	10,182,750	28,424	0	0	10,182,750	28,425	1%		
	Total	1,678,459,496	2,684,580	1,138,954,449	2,546,731	6,559,026	20,553	1,671,900,470	2,664,027	100%	808,689	55,048

Threshold Test

Total Claim (including Account 1568)	($1,381,325)
Total Claim for Threshold Test (All Group 1 Accounts)	($2,190,014)
Threshold Test (Total claim per kWh) [2]	($0.0013)

Currently, the threshold test has been met and the default is that Group 1 account balances will be disposed. If you are requesting not to dispose of the Group 1 account balances, please select NO and provide detailed reasons in the manager's summary.

YES

[1] Residual Account balance to be allocated to rate classes in proportion to the recovery share as established when rate riders were implemented.

[2] The Threshold Test does not include the amount in 1568.

[3] The proportion of customers for the Residential and GS<50 Classes will be used to allocate Account 1551.

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No input required. This workshseet allocates the deferral/variance account balances (Group 1 and 1568) to the appropriate classes as per EDDVAR dated July 31, 2009

Allocation of Group 1 Accounts (including Account 1568)

Rate Class	% of Total kWh	% of Customer Numbers **	% of Total kWh adjusted for WMP	1550	1551	1580 (allocated based on Total less WMP)	1584	1586	1588 (allocated based on Total less WMP)	1595_(2017)	1568
RESIDENTIAL SERVICE CLASSIFICATION	22.9%	92.5%	23.0%	15,790	(62,650)	(62,954)	(9,517)	159,589	(10,762)	(63,263)	0
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	8.5%	7.5%	8.5%	5,847	(5,087)	(23,312)	(3,524)	59,095	(3,985)	(23,541)	0
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	24.0%	0.0%	23.7%	16,542	0	(64,964)	(9,971)	167,197	(11,105)	(63,530)	0
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	32.2%	0.0%	32.3%	22,219	0	(88,505)	(13,393)	224,572	(15,129)	(88,702)	0
LARGE USE SERVICE CLASSIFICATION	11.8%	0.0%	11.8%	8,117	0	(32,364)	(4,893)	82,042	(5,532)	(47,616)	0
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	0.1%	0.0%	0.1%	74	0	(297)	(45)	752	(51)	(309)	0
STANDBY POWER SERVICE CLASSIFICATION	0.0%	0.0%	0.0%	0	0	0	0	0	0	0	0
SENTINEL LIGHTING SERVICE CLASSIFICATION	0.0%	0.0%	0.0%	1	0	(3)	(0)	8	(1)	(3)	0
STREET LIGHTING SERVICE CLASSIFICATION	0.6%	0.0%	0.6%	419	0	(1,669)	(252)	4,231	(285)	(1,635)	0
Total	100.0%	100.0%	100.0%	69,008	(67,737)	(274,067)	(41,595)	697,487	(46,850)	(288,600)	0

*** Used to allocate Account 1551 as this account records the variances arising from the Smart Metering Entity Charges to Residential and GS<50 customers.*

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

1a	The year Account 1589 GA was last disposed	2017	
1b	The year Account 1580 CBR Class B was last disposed	2017	Note that the sub-account was established in 2015.
2a	Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1589 GA balance accumulated (i.e. from the year after the balance was last disposed to the current year requested for disposition)?	Yes	(e.g. If you received approval to dispose of the GA variance account balance as at December 31, 2015, the period the GA variance accumulated would be 2016 to 2018.)
2b	Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1580, sub-account CBR Class B balance accumulated (i.e. from the year after the balance was last disposed to the current year requested for disposition)?	Yes	(e.g. If you received approval to dispose of the CBR Class B balance as at December 31, 2016, the period the CBR Class B variance accumulated would be 2017 to 2018.)
3a	Enter the number of transition customer you had during the period the Account 1589 GA or Account 1580 CBR B balance accumulated	9	

Transition Customers - Non-loss Adjusted Billing Determinants by Customer

			2018	
Customer	Rate Class		January to June	July to December
Customer 1	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	3,930,951	4,418,796
		kW	7,769	8,447
		Class A/B	A	B
Customer 2	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	6,106,896	5,080,051
		kW	17,606	17,543
		Class A/B	B	A
Customer 3	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	3,755,625	3,701,216
		kW	10,045	9,617
		Class A/B	B	A
Customer 4	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	1,957,741	1,920,476
		kW	4,354	4,267
		Class A/B	B	A
Customer 5	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	2,508,468	2,110,608
		kW	4,556	5,227
		Class A/B	B	A
Customer 6	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	1,872,610	2,141,191
		kW	4,905	5,652
		Class A/B	B	A
Customer 7	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	1,598,698	1,603,098
		kW	3,690	3,759
		Class A/B	B	A
Customer 8	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	1,100,719	1,068,657
		kW	3,576	3,546
		Class A/B	B	A
Customer 9	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	413,780	377,580
		kW	2,937	3,005
		Class A/B	B	A

3b	Enter the number of rate classes in which there were customers who were Class A for the full year during the period the Account 1589 GA or Account 1580 CBR B balance accumulated. Enter the total Class A consumption in the rate class in the table	53		

Rate Classes with Class A Customers - Billing Determinants by Rate Class

	Rate Class		2018
Rate Class 1	LARGE USE SERVICE CLASSIFICATION	kWh	96,205,705
		kW	187,919
Rate Class 2	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	27,751,894
		kW	54,695
Rate Class 3	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	39,875,949
		kW	59,626
Rate Class 4	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	21,932,157
		kW	51,764
Rate Class 5	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	22,958,789
		kW	44,577
Rate Class 6	LARGE USE SERVICE CLASSIFICATION	kWh	35,064,465
		kW	69,684
Rate Class 7	LARGE USE SERVICE CLASSIFICATION	kWh	38,620,177
		kW	73,305
Rate Class 8	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	19,001,984
		kW	41,445
Rate Class 9	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	22,083,710
		kW	40,039
Rate Class 10	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	30,149,689
		kW	51,124
Rate Class 11	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	27,343,650
		kW	65,363
Rate Class 12	LARGE USE SERVICE CLASSIFICATION	kWh	27,538,615
		kW	92,272
Rate Class 13	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	13,898,251
		kW	23,052
Rate Class 14	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	10,482,560
		kW	25,628
Rate Class 15	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	17,817,229
		kW	38,951
Rate Class 16	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	12,416,417
		kW	28,960
Rate Class 17	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	13,806,157
		kW	28,334
Rate Class 18	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	13,084,587
		kW	27,789
Rate Class 19	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	9,917,417
		kW	23,910
Rate Class 20	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	11,868,612
		kW	23,522
Rate Class 21	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	14,612,362
		kW	28,324
Rate Class 22	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	12,260,254
		kW	23,943
Rate Class 23	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	10,297,598
		kW	20,852
Rate Class 24	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	7,515,454
		kW	14,934
Rate Class 25	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	12,142,188
		kW	27,240
Rate Class 26	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	8,702,687
		kW	18,186
Rate Class 27	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	8,511,957
		kW	19,207
Rate Class 28	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	9,591,444
		kW	21,840
Rate Class 29	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	8,074,821
		kW	16,604
Rate Class 30	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	8,093,833
		kW	16,628
Rate Class 31	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	6,258,037
		kW	14,292
Rate Class 32	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	12,603,473
		kW	28,985
Rate Class 33	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	7,466,019
		kW	14,815

Rate Class 34	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	12,442,925
		kW	28,904
Rate Class 35	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	11,359,871
		kW	24,195
Rate Class 36	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	13,485,860
		kW	23,631
Rate Class 37	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	4,774,892
		kW	10,079
Rate Class 38	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	12,216,740
		kW	21,677
Rate Class 39	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	5,338,503
		kW	12,040
Rate Class 40	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	9,015,438
		kW	18,071
Rate Class 41	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	7,909,564
		kW	16,474
Rate Class 42	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	3,529,642
		kW	11,334
Rate Class 43	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	4,683,152
		kW	10,379
Rate Class 44	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	3,301,613
		kW	10,991
Rate Class 45	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	4,561,699
		kW	9,874
Rate Class 46	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	2,314,920
		kW	7,284
Rate Class 47	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	5,139,872
		kW	10,088
Rate Class 48	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	1,324,122
		kW	10,000
Rate Class 49	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	3,927,999
		kW	10,103
Rate Class 50	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	4,683,757
		kW	10,028
Rate Class 51	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	3,200,930
		kW	8,775
Rate Class 52	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	4,019,533
		kW	7,350
Rate Class 53	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	1,256,108
		kW	7,114

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ıcentive Rate-setting Mechanism Rate Generator for 2020 Filers

This tab allocates the GA balance to transition customers (i.e Class A customers who were former Class B customers and Class B customers who were former Class A customers) who contributed to the current GA balance. The tables below calculate specific amounts for each customer who made the change. The general GA rate rider to non-RPP customers is not to be charged to the transition customers that are allocated amounts in the table below. Consistent with prior decisions, distributors are generally expected to settle the amount through 12 equal adjustments to bills.

Year the Account 1589 GA Balance Last Disposed	**2017**

Allocation of total Non-RPP Consumption (kWh) between Current Class B and Class A/B Transition Customers

		Total	**2018**
Non-RPP Consumption Less WMP Consumption	A	1,138,954,449	1,138,954,449
Less Class A Consumption for Partial Year Class A Customers	B	21,933,827	21,933,827
Less Consumption for Full Year Class A Customers	C	756,435,281	756,435,281
Total Class B Consumption for Years During Balance Accumulation	D = A-B-C	360,585,341	360,585,341
All Class B Consumption for Transition Customers	E	23,733,333	23,733,333
Transition Customers' Portion of Total Consumption	F = E/D	**6.58%**	

Allocation of Total GA Balance $

Total GA Balance	G	-$ 2,237,660
Transition Customers Portion of GA Balance	H=F*G	-$ 147,280
GA Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	-$ 2,090,380

Allocation of GA Balances to Class A/B Transition Customers

# of Class A/B Transition Customers		9				
Customer		**Total Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers**	**Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers in 2018**	**% of kWh**	**Customer Specific GA Allocation for the Period When They Were a Class B customer**	**Monthly Equal Payments**
Customer 1		4,418,796	4,418,796	18.62%	-$ 27,421	-$ 2,285
Customer 2		6,106,896	6,106,896	25.73%	-$ 37,897	-$ 3,158
Customer 3		3,755,625	3,755,625	15.82%	-$ 23,306	-$ 1,942
Customer 4		1,957,741	1,957,741	8.25%	-$ 12,149	-$ 1,012
Customer 5		2,508,468	2,508,468	10.57%	-$ 15,567	-$ 1,297
Customer 6		1,872,610	1,872,610	7.89%	-$ 11,621	-$ 968
Customer 7		1,598,698	1,598,698	6.74%	-$ 9,921	-$ 827
Customer 8		1,100,719	1,100,719	4.64%	-$ 6,831	-$ 569
Customer 9		413,780	413,780	1.74%	-$ 2,568	-$ 214
Total		23,733,333	23,733,333	100.00%	-$ 147,280	

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The purpose of this tab is to calculate the GA rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1589 GA was last disposed. Calculations in this tab will be modified upon completion of tab 6.1a, which allocates a portion of the GA balance to transition customers, if applicable.
Effective January 2017, the billing determinant and all rate riders for the disposition of GA balances will be calculated on an energy basis (kWhs) regardless of the billing determinant used for distribution rates for the particular class (see Chapter 3, Filing Requirements, section 3.2.5.2)

Default Rate Rider Recovery Period (in months)	**12**
Proposed Rate Rider Recovery Period (in months)	**12**

Rate Rider Recovery to be used below

		Total Metered Non-RPP 2018 Consumption excluding WMP	Total Metered 2018 Consumption for Class A Customers that were Class A for the entire period GA balance accumulated	Total Metered 2018 Consumption for Customers that Transitioned Between Class A and B during the period GA balance accumulated	Non-RPP Metered Consumption for Current Class B Customers (Non-RPP Consumption excluding WMP, Class A and Transition Customers' Consumption)	% of total kWh	Total GA $ allocated to Current Class B Customers	GA Rate Rider	
		kWh	kWh	kWh	kWh				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	11,061,065	0	0	11,061,065	3.3%	($68,641)	-$0.0062	kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	24,681,089	0	0	24,681,089	7.3%	($153,162)	-$0.0062	kWh
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	355,315,128	50,711,625	18,673,628	285,929,875	84.9%	($1,774,376)	-$0.0062	kWh
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	539,909,081	508,294,694	26,993,535	4,620,853	1.4%	($28,675)	-$0.0062	kWh
LARGE USE SERVICE CLASSIFICATION	kWh	197,428,962	197,428,962	0	0	0.0%	$0	$0.0000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	376,374	0	0	376,374	0.1%	($2,336)	-$0.0062	kWh
STANDBY POWER SERVICE CLASSIFICATION	kWh	0	0	0	0	0.0%	$0	$0.0000	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kWh	0	0	0	0	0.0%	$0	$0.0000	
STREET LIGHTING SERVICE CLASSIFICATION	kWh	10,182,750	0	0	10,182,750	3.0%	($63,190)	-$0.0062	kWh
Total		1,138,954,449	756,435,281	45,667,162	336,852,006	100.0%	($2,090,380)		

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

This tab allocates the CBR Class B balance to transition customers (i.e Class A customers who were former Class B customers and Class B customers who were former Class A customers) who contributed to the current CBR Class B balance. The tables below calculate specific amounts for each customer who made the change. The general CBR Class B rate rider is not to be charged to the transition customers that are allocated amounts in the table below. Consistent with prior decisions, distributors are generally expected to settle the amount through 12 equal adjustments to bills.

Year Account 1580 CBR Class B was Last Disposed | **2017**

Allocation of Total Consumption (kWh) between Current Class B and Class A/B Transition Customers

		Total	2018
Total Consumption Less WMP Consumption	A	1,671,900,470	1,671,900,470
Less Class A Consumption for Partial Year Class A Customers	B	21,933,827	21,933,827
Less Consumption for Full Year Class A Customers	C	756,435,281	756,435,281
Total Class B Consumption for Years During Balance Accumulation	D = A-B-C	893,531,362	893,531,362
All Class B Consumption for Transition Customers	E	23,733,333	23,733,333
Transition Customers' Portion of Total Consumption	F = E/D	**2.66%**	

Allocation of Total CBR Class B Balance $

Total CBR Class B Balance	G	-$ 17,128
Transition Customers Portion of CBR Class B Balance	H=F*G	-$ 455
CBR Class B Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	-$ 16,673

Allocation of CBR Class B Balances to Transition Customers

# of Class A/B Transition Customers		9					
Customer		**Total Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers**	**Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers in 2018**	**% of kWh**	**Customer Specific CBR Class B Allocation for the Period When They Were a Class B Customer**	**Monthly Equal Payments**	**Revised Monthly Payment**
Customer 1		4,418,796	4,418,796	18.62%	-$ 85	-$ 7	$ -
Customer 2		6,106,896	6,106,896	25.73%	-$ 117	-$ 10	$ -
Customer 3		3,755,625	3,755,625	15.82%	-$ 72	-$ 6	$ -
Customer 4		1,957,741	1,957,741	8.25%	-$ 38	-$ 3	$ -
Customer 5		2,508,468	2,508,468	10.57%	-$ 48	-$ 4	$ -
Customer 6		1,872,610	1,872,610	7.89%	-$ 36	-$ 3	$ -
Customer 7		1,598,698	1,598,698	6.74%	-$ 31	-$ 3	$ -
Customer 8		1,100,719	1,100,719	4.64%	-$ 21	-$ 2	$ -
Customer 9		413,780	413,780	1.74%	-$ 8	-$ 1	$ -
Total		23,733,333	23,733,333	100.00%	-$ 455	-$ 38	$ -

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

No input required. The purpose of this tab is to calculate the CBR rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1580, sub-account CBR Class B balance accumulated.

The year Account 1580 CBR Class B was last disposed | **2017**

		Total Metered 2018 Consumption Minus WMP		Total Metered 2018 Consumption for Full Year Class A Customers		Total Metered 2018 Consumption for Transition Customers		Metered Consumption for Current Class B Customers (Total Consumption LESS WMP, Class A and Transition Customers' Consumption)		% of total kWh	Total CBR Class B $ allocated to Current Class B Customers	CBR Class B Rate Rider	Unit
		kWh	kW	kWh	kW	kWh	kW	kWh	kW				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	384,041,745	0	0	0	0	0	384,041,745	0	44.2%	($7,362)	$0.0000	kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	142,209,076	0	0	0	0	0	142,209,076	0	16.3%	($2,726)	$0.0000	kWh
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	396,299,989	1,084,588	50,711,625	124,621	18,673,628	49,475	326,914,736	910,492	37.6%	($6,267)	$0.0000	kW
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	539,909,081	1,127,783	508,294,694	1,038,399	26,993,535	71,028	4,620,853	18,356	0.5%	($89)	$0.0000	kW
LARGE USE SERVICE CLASSIFICATION	kW	197,428,962	423,180	197,428,962	423,180	0	0	0	(0)	0.0%	$0	$0.0000	kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,810,678	0	0	0	0	0	1,810,678	0	0.2%	($35)	$0.0000	kWh
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0	0.0%	$0	$0.0000	kW
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	18,189	51	0	0	0	0	18,189	51	0.0%	$0	$0.0000	kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	10,182,750	28,425	0	0	0	0	10,182,750	28,425	1.2%	($195)	$0.0000	kW
Total		1,671,900,470	2,664,027	756,435,281	1,586,201	45,667,162	120,503	869,798,027	957,324	100.0%	($16,674)	$0.0000	

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Input required at cells C13 and C14. This workshseet calculates rate riders related to the Deferral/Variance Account Disposition (if applicable) and rate riders for Account 1568. Rate Riders will not be generated for the microFIT class.

Default Rate Rider Recovery Period (in months)	**12**	
DVA Proposed Rate Rider Recovery Period (in months)	**12**	**Rate Rider Recovery to be used below**
LRAM Proposed Rate Rider Recovery Period (in months)	**12**	**Rate Rider Recovery to be used below**

Rate Class	Unit	Total Metered kWh	Metered kW or kVA	Total Metered kWh less WMP consumption	Total Metered kW less WMP consumption	Allocation of Group 1 Account Balances to All Classes [2]	Allocation of Group 1 Account Balances to Non-WMP Classes Only (If Applicable) [2]	Deferral/Variance Account Rate Rider [2]	Deferral/Variance Account Rate Rider for Non-WMP (if applicable) [2]	Account 1568 Rate Rider	Revenue Reconcilation [1]
RESIDENTIAL SERVICE CLASSIFICATION	kWh	384,041,745	0	384,041,745	0	(33,767)		(0.0001)	0.0000	0.0000	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	142,209,076	0	142,209,076	0	5,493		0.0000	0.0000	0.0000	
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	402,350,218	1,097,499	396,299,989	1,084,588	110,238	(76,069)	0.1004	(0.0701)	0.0000	
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	540,417,878	1,135,425	539,909,081	1,127,783	144,696	(103,634)	0.1274	(0.0919)	0.0000	
LARGE USE SERVICE CLASSIFICATION	kW	197,428,962	423,180	197,428,962	423,180	(246)		(0.0006)	0.0000	0.0000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,810,678	0	1,810,678	0	126		0.0001	0.0000	0.0000	
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0		0.0000	0.0000	0.0000	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	18,189	51	18,189	51	1		0.0211	0.0000	0.0000	
STREET LIGHTING SERVICE CLASSIFICATION	kW	10,182,750	28,425	10,182,750	28,425	808		0.0284	0.0000	0.0000	
											37,500.50

[1] When calculating the revenue reconciliation for distributors with Class A customers, the balances of sub-account 1580-CBR Class B will not be taken into consideration if there are Class A customers since the rate riders, if any, are calculated separately.

[2] Only for rate classes with WMP customers are the Deferral/Variance Account Rate Riders for Non-WMP (column H and J) calculated separately. For all rate classes without WMP customers, balances in account 1580 and 1588 are included in column G and disposed through a combined Deferral/Variance Account and Rate Rider.

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Summary - Sharing of Tax Change Forecast Amounts

	2016	2020
OEB-Approved Rate Base	$ 151,391,730	$ 151,391,730
OEB-Approved Regulatory Taxable Income	$ 2,671,866	$ 2,671,866
Federal General Rate		15.0%
Federal Small Business Rate		9.0%
Federal Small Business Rate (calculated effective rate)[1,2]		15.0%
Ontario General Rate		11.5%
Ontario Small Business Rate		3.5%
Ontario Small Business Rate (calculated effective rate)[1,2]		11.5%
Federal Small Business Limit		$ 500,000
Ontario Small Business Limit		$ 500,000
Federal Taxes Payable		$ 400,780
Provincial Taxes Payable		$ 307,265
Federal Effective Tax Rate		15.0%
Provincial Effective Tax Rate		11.5%
Combined Effective Tax Rate	26.5%	26.5%
Total Income Taxes Payable	$ 708,044	$ 708,044
OEB-Approved Total Tax Credits (enter as positive number)	$ 199,000	$ 199,000
Income Tax Provision	$ 509,044	$ 509,044
Grossed-up Income Taxes	$ 692,578	$ 692,578
Incremental Grossed-up Tax Amount		$ -
Sharing of Tax Amount (50%)		**$ -**

Notes

1. Regarding the small business deduction, if applicable,
   a. If taxable capital exceeds $15 million, the small business rate will not be applicable.
   b. If taxable capital is below $10 million, the small business rate would be applicable.
   c. If taxable capital is between $10 million and $15 million, the appropriate small business rate will be calculated.

2. The OEB's proxy for taxable capital is rate base.

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Calculation of Rebased Revenue Requirement and Allocation of Tax Sharing Amount. Enter data from the last OEB-Approved Cost of Service application in columns C through H.

As per Chapter 3 Filing Requirements, shared tax rate riders are based on a 1 year disposition.

Rate Class		Re-based Billed Customers or Connections	Re-based Billed kWh	Re-based Billed kW	Re-based Service Charge	Re-based Distribution Volumetric Rate kWh	Re-based Distribution Volumetric Rate kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Revenue Requirement from Rates	Service Charge % Revenue	Distribution Volumetric Rate % Revenue kWh	Distribution Volumetric Rate % Revenue kW	Total % Revenue
RESIDENTIAL SERVICE CLASSIFICATION	kWh	50,242	386,643,528	0	18.93	0.0144	0.0000	11,412,931	5,567,667	0	16,980,598	67.2%	32.8%	0.0%	57.4%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	4,101	152,157,763	0	16.33	0.0137	0.0000	803,606	2,084,561	0	2,888,168	27.8%	72.2%	0.0%	9.8%
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	567	401,243,062	1,046,605	177.03	0.0000	2.6971	1,205,209	0	2,822,797	4,028,007	29.9%	0.0%	70.1%	13.6%
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	42	564,253,257	1,196,727	560.00	0.0000	2.9942	280,941	0	3,583,241	3,864,182	7.3%	0.0%	92.7%	13.1%
LARGE USE SERVICE CLASSIFICATION	kW	5	278,656,832	499,880	1076.53	0.0000	2.6901	59,391	0	1,344,728	1,404,119	4.2%	0.0%	95.8%	4.7%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	545	1,700,939	0	4.78	0.0218	0.0000	31,268	37,080	0	68,348	45.7%	54.3%	0.0%	0.2%
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0.00	0.0000	0.0000	0	0	0	0	0.0%	0.0%	0.0%	0.0%
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	6	21,457	60	7.39	0.0000	8.1829	532	0	493	1,025	51.9%	0.0%	48.1%	0.0%
STREET LIGHTING SERVICE CLASSIFICATION	kW	14,172	9,628,070	26,693	0.42	0.0000	10.0324	71,427	0	267,795	339,222	21.1%	0.0%	78.9%	1.1%
Total		69,680	1,794,304,908	2,769,965				13,865,306	7,689,309	8,019,053	29,573,668				100.0%

Rate Class		Total kWh (most recent RRR filing)	Total kW (most recent RRR filing)	Allocation of Tax Savings by Rate Class	Distribution Rate Rider	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	384,041,745		0	0.00	$/customer
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	142,209,076		0	0.0000	kWh
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	402,350,218	1,097,499	0	0.0000	kW
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	540,417,878	1,135,425	0	0.0000	kW
LARGE USE SERVICE CLASSIFICATION	kW	197,428,962	423,180	0	0.0000	kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,810,678		0	0.0000	kWh
STANDBY POWER SERVICE CLASSIFICATION	kW			0	0.0000	kW
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	18,189	51	0	0.0000	kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	10,182,750	28,425	0	0.0000	kW
Total		1,678,459,496	2,684,580	$0		

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Columns E and F have been populated with data from the most recent RRR filing. Rate classes that have more than one Network or Connection charge will notice that the cells are highlighted in green and unlocked.
If the data needs to be modified, please make the necessary adjustments and note the changes in your manager's summary. As well, the Loss Factor has been imported from Tab 2.

Rate Class	Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor	Loss Adjusted Billed kWh
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0068	384,041,745	0	1.0260	394,026,830
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0062	384,041,745	0	1.0260	394,026,830
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0062	142,209,076	0	1.0260	145,906,512
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0055	142,209,076	0	1.0260	145,906,512
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.6001	347,100,188	946,792		
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	2.6970	55,250,030	150,707		
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3084	347,100,188	946,792		
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.3950	55,250,030	150,707		
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	2.6970	540,417,878	1,135,425		
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.3950	540,417,878	1,135,425		
Large Use Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	3.2570	197,428,962	423,180		
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.8919	197,428,962	423,180		
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0062	1,810,678	0	1.0260	1,857,756
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0055	1,810,678	0	1.0260	1,857,756
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	1.9906	18,189	51		
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.7675	18,189	51		
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.3954	10,182,750	28,425		
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.1267	10,182,750	28,425		

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Uniform Transmission Rates	Unit	2018	2019 (Jan 1 - June 30)	2019 (July 1 - Dec 31)	2020
Rate Description		**Rate**	**Rate**		**Rate**
Network Service Rate	kW	$ 3.61	$ 3.71	$ 3.83	$ 3.83
Line Connection Service Rate	kW	$ 0.95	$ 0.94	$ 0.96	$ 0.96
Transformation Connection Service Rate	kW	$ 2.34	$ 2.25	$ 2.30	$ 2.30

Hydro One Sub-Transmission Rates	Unit	2018	2019 (Jan 1 - June 30)	2019 (July 1 - Dec 31)	2020
Rate Description		**Rate**	**Rate**	**Rate**	**Rate**
Network Service Rate	kW	$ 3.1942	$ 3.1942	$ 3.2915	$ 3.2915
Line Connection Service Rate	kW	$ 0.7710	$ 0.7710	$ 0.7877	$ 0.7877
Transformation Connection Service Rate	kW	$ 1.7493	$ 1.7493	$ 1.9755	$ 1.9755
Both Line and Transformation Connection Service Rate	kW	$ 2.5203	$ 2.5203	$ 2.7632	$ 2.7632

If needed, add extra host here. (I)	Unit	2018	2019		2020
Rate Description		**Rate**	**Rate**		**Rate**
Network Service Rate	kW				
Line Connection Service Rate	kW				
Transformation Connection Service Rate	kW				
Both Line and Transformation Connection Service Rate	kW	$ -	$ -		$ -

If needed, add extra host here. (II)	Unit	2018	2019		2020
Rate Description		**Rate**	**Rate**		**Rate**
Network Service Rate	kW				
Line Connection Service Rate	kW				
Transformation Connection Service Rate	kW				
Both Line and Transformation Connection Service Rate	kW	$ -	$ -		$ -

		Historical 2018	Current 2019		Forecast 2020
Low Voltage Switchgear Credit (if applicable, enter as a negative value)	$				

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Tab 10. For Hydro One Sub-transmission Rates, if you are charged a combined Line and Transformer connection rate, please ensure that both the Line Connection and Transformation Connection columns are completed.
If any of the Hydro One Sub-transmission rates (column E, I and M) are highlighted in red, please double check the billing data entered in "Units Billed" and "Amount" columns. The highlighted rates do not match the Hydro One Sub-transmission rates approved for that time period. If data has been entered correctly, please provide explanation for the discrepancy in rates.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	240,556	$3.61	$ 868,407	253,204	$0.95	$ 240,544	231,285	$2.34	$ 541,207	$ 781,751
February	239,796	$3.61	$ 865,664	244,346	$0.95	$ 232,129	224,250	$2.34	$ 524,745	$ 756,874
March	234,324	$3.61	$ 845,910	237,538	$0.95	$ 225,661	218,083	$2.34	$ 510,314	$ 735,975
April	227,084	$3.61	$ 819,773	231,348	$1.29	$ 298,978	210,637	$3.22	$ 678,010	$ 976,988
May	254,148	$3.61	$ 917,474	264,966	$0.95	$ 251,718	240,835	$2.34	$ 563,554	$ 815,272
June	242,018	$3.61	$ 873,685	275,860	$0.95	$ 262,067	252,410	$2.34	$ 590,639	$ 852,706
July	262,119	$3.61	$ 946,250	281,871	$0.95	$ 267,777	258,498	$2.34	$ 604,885	$ 872,663
August	268,738	$3.61	$ 970,144	277,185	$0.95	$ 263,326	252,750	$2.34	$ 591,435	$ 854,761
September	286,494	$3.61	$ 1,034,243	294,209	$0.95	$ 279,499	267,920	$2.34	$ 626,933	$ 906,431
October	236,206	$3.61	$ 852,704	242,548	$0.95	$ 230,421	221,262	$2.34	$ 517,753	$ 748,174
November	238,946	$3.61	$ 862,595	249,571	$0.95	$ 237,092	229,641	$2.34	$ 537,360	$ 774,452
December	234,566	$3.61	$ 846,783	243,849	$0.95	$ 231,657	223,283	$2.34	$ 522,482	$ 754,139
Total	2,964,995	$ 3.61	$ 10,703,632	3,096,495	$ 0.98	$ 3,020,867	2,830,854	$ 2.41	$ 6,809,318	$ 9,830,185

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	4,172	$3.1942	$ 13,326	4,542	$0.7710	$ 3,502	4,542	$1.7493	$ 7,944	$ 11,446
February	3,770	$3.1942	$ 12,043	3,929	$0.7710	$ 3,030	3,929	$1.7493	$ 6,874	$ 9,903
March	3,348	$3.1942	$ 10,694	3,551	$0.7710	$ 2,738	3,551	$1.7493	$ 6,211	$ 8,949
April	3,167	$3.1942	$ 10,115	3,683	$0.7710	$ 2,840	3,683	$1.7493	$ 6,443	$ 9,283
May	4,815	$3.1942	$ 15,379	4,815	$0.7710	$ 3,712	4,815	$1.7493	$ 8,422	$ 12,134
June	5,036	$3.1942	$ 16,087	5,467	$0.7710	$ 4,215	5,467	$1.7493	$ 9,563	$ 13,778
July	5,534	$3.1942	$ 17,676	5,565	$0.7710	$ 4,291	5,565	$1.7493	$ 9,735	$ 14,026
August	5,161	$3.1942	$ 16,484	5,161	$0.7710	$ 3,979	5,161	$1.7493	$ 9,027	$ 13,006
September	5,618	$3.1942	$ 17,944	5,618	$0.7710	$ 4,331	5,618	$1.7493	$ 9,827	$ 14,158
October	3,177	$3.1942	$ 10,150	3,498	$0.7710	$ 2,697	3,498	$1.7493	$ 6,119	$ 8,816
November	3,627	$3.1942	$ 11,586	3,929	$0.7710	$ 3,029	3,929	$1.7493	$ 6,873	$ 9,903
December	3,955	$3.1942	$ 12,634	4,284	$0.7710	$ 3,303	4,284	$1.7493	$ 7,495	$ 10,798
Total	51,380	$ 3.1942	$ 164,118	54,042	$ 0.7710	$ 41,666	54,042	$ 1.7493	$ 94,535	$ 136,201

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	244,728	$ 3.6029	$ 881,733	257,746	$ 0.9468	$ 244,045	235,827	$ 2.3286	$ 549,151	$ 793,197
February	243,566	$ 3.6036	$ 877,707	248,275	$ 0.9472	$ 235,158	228,179	$ 2.3298	$ 531,619	$ 766,777
March	237,672	$ 3.6041	$ 856,604	241,089	$ 0.9474	$ 228,399	221,634	$ 2.3305	$ 516,526	$ 744,924
April	230,251	$ 3.6043	$ 829,888	235,031	$ 1.2842	$ 301,818	214,320	$ 3.1936	$ 684,453	$ 986,271
May	258,963	$ 3.6023	$ 932,853	269,781	$ 0.9468	$ 255,430	245,650	$ 2.3284	$ 571,976	$ 827,406
June	247,054	$ 3.6015	$ 889,772	281,327	$ 0.9465	$ 266,282	257,877	$ 2.3275	$ 600,202	$ 866,484
July	267,653	$ 3.6014	$ 963,926	287,436	$ 0.9465	$ 272,068	264,063	$ 2.3276	$ 614,621	$ 886,689
August	273,899	$ 3.6022	$ 986,628	282,346	$ 0.9467	$ 267,305	257,911	$ 2.3282	$ 600,462	$ 867,767
September	292,112	$ 3.6020	$ 1,052,187	299,827	$ 0.9466	$ 283,830	273,538	$ 2.3279	$ 636,760	$ 920,589
October	239,383	$ 3.6045	$ 862,853	246,046	$ 0.9475	$ 233,118	224,760	$ 2.3308	$ 523,872	$ 756,990
November	242,573	$ 3.6038	$ 874,181	253,500	$ 0.9472	$ 240,122	233,570	$ 2.3301	$ 544,233	$ 784,355
December	238,521	$ 3.6031	$ 859,418	248,133	$ 0.9469	$ 234,960	227,567	$ 2.3289	$ 529,977	$ 764,937
Total	3,016,375	$ 3.60	$ 10,867,750	3,150,537	$ 0.97	$ 3,062,533	2,884,896	$ 2.39	$ 6,903,853	$ 9,966,386

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 9,966,386

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The purpose of this sheet is to calculate the expected billing when current 2019 Uniform Transmission Rates are applied against historical 2018 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	240,556	$ 3.7100	$ 892,463	253,204	$ 0.9400	$ 238,012	231,285	$ 2.2500	$ 520,391	$ 758,403
February	239,796	$ 3.7100	$ 889,643	244,346	$ 0.9400	$ 229,685	224,250	$ 2.2500	$ 504,563	$ 734,248
March	234,324	$ 3.7100	$ 869,342	237,538	$ 0.9400	$ 223,286	218,083	$ 2.2500	$ 490,687	$ 713,972
April	227,084	$ 3.7100	$ 842,482	231,348	$ 0.9400	$ 217,467	210,637	$ 2.2500	$ 473,933	$ 691,400
May	254,148	$ 3.7100	$ 942,889	264,966	$ 0.9400	$ 249,068	240,835	$ 2.2500	$ 541,879	$ 790,947
June	242,018	$ 3.7100	$ 897,887	275,860	$ 0.9400	$ 259,308	252,410	$ 2.2500	$ 567,923	$ 827,231
July	262,119	$ 3.8300	$ 1,003,916	281,871	$ 0.9600	$ 270,596	258,498	$ 2.3000	$ 594,545	$ 865,142
August	268,738	$ 3.8300	$ 1,029,267	277,185	$ 0.9600	$ 266,098	252,750	$ 2.3000	$ 581,325	$ 847,423
September	286,494	$ 3.8300	$ 1,097,272	294,209	$ 0.9600	$ 282,441	267,920	$ 2.3000	$ 616,216	$ 898,657
October	236,206	$ 3.8300	$ 904,669	242,548	$ 0.9600	$ 232,846	221,262	$ 2.3000	$ 508,903	$ 741,749
November	238,946	$ 3.8300	$ 915,163	249,571	$ 0.9600	$ 239,588	229,641	$ 2.3000	$ 528,174	$ 767,762
December	234,566	$ 3.8300	$ 898,388	243,849	$ 0.9600	$ 234,095	223,283	$ 2.3000	$ 513,551	$ 747,646
Total	2,964,995	$ 3.77	$ 11,183,380	3,096,495	$ 0.95	$ 2,942,490	2,830,854	$ 2.28	$ 6,442,089	$ 9,384,579

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	4,172	$ 3.1942	$ 13,326	4,542	$ 0.7710	$ 3,502	4,542	$ 1.7493	$ 7,944	$ 11,446
February	3,770	$ 3.1942	$ 12,043	3,929	$ 0.7710	$ 3,030	3,929	$ 1.7493	$ 6,874	$ 9,903
March	3,348	$ 3.1942	$ 10,694	3,551	$ 0.7710	$ 2,738	3,551	$ 1.7493	$ 6,211	$ 8,949
April	3,167	$ 3.1942	$ 10,115	3,683	$ 0.7710	$ 2,840	3,683	$ 1.7493	$ 6,443	$ 9,283
May	4,815	$ 3.1942	$ 15,379	4,815	$ 0.7710	$ 3,712	4,815	$ 1.7493	$ 8,422	$ 12,134
June	5,036	$ 3.1942	$ 16,087	5,467	$ 0.7710	$ 4,215	5,467	$ 1.7493	$ 9,563	$ 13,778
July	5,534	$ 3.2915	$ 18,215	5,565	$ 0.7877	$ 4,384	5,565	$ 1.9755	$ 10,994	$ 15,378
August	5,161	$ 3.2915	$ 16,986	5,161	$ 0.7877	$ 4,065	5,161	$ 1.9755	$ 10,195	$ 14,260
September	5,618	$ 3.2915	$ 18,490	5,618	$ 0.7877	$ 4,425	5,618	$ 1.9755	$ 11,097	$ 15,522
October	3,177	$ 3.2915	$ 10,459	3,498	$ 0.7877	$ 2,755	3,498	$ 1.9755	$ 6,910	$ 9,666
November	3,627	$ 3.2915	$ 11,939	3,929	$ 0.7877	$ 3,095	3,929	$ 1.9755	$ 7,762	$ 10,857
December	3,955	$ 3.2915	$ 13,019	4,284	$ 0.7877	$ 3,375	4,284	$ 1.9755	$ 8,464	$ 11,839
Total	51,380	$ 3.25	$ 166,752	54,042	$ 0.78	$ 42,135	54,042	$ 1.87	$ 100,881	$ 143,015

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	244,728	$ 3.7012	$ 905,789	257,746	$ 0.9370	$ 241,513	235,827	$ 2.2404	$ 528,336	$ 769,849
February	243,566	$ 3.7020	$ 901,686	248,275	$ 0.9373	$ 232,715	228,179	$ 2.2414	$ 511,436	$ 744,151
March	237,672	$ 3.7027	$ 880,036	241,089	$ 0.9375	$ 226,023	221,634	$ 2.2420	$ 496,898	$ 722,922
April	230,251	$ 3.7029	$ 852,597	235,031	$ 0.9374	$ 220,307	214,320	$ 2.2414	$ 480,377	$ 700,684
May	258,963	$ 3.7004	$ 958,268	269,781	$ 0.9370	$ 252,780	245,650	$ 2.2402	$ 550,301	$ 803,081
June	247,054	$ 3.6995	$ 913,974	281,327	$ 0.9367	$ 263,523	257,877	$ 2.2394	$ 577,485	$ 841,009
July	267,653	$ 3.8189	$ 1,022,130	287,436	$ 0.9567	$ 274,980	264,063	$ 2.2932	$ 605,539	$ 880,519
August	273,899	$ 3.8199	$ 1,046,253	282,346	$ 0.9569	$ 270,163	257,911	$ 2.2935	$ 591,520	$ 861,682
September	292,112	$ 3.8196	$ 1,115,762	299,827	$ 0.9568	$ 286,866	273,538	$ 2.2933	$ 627,313	$ 914,179
October	239,383	$ 3.8229	$ 915,128	246,046	$ 0.9576	$ 235,602	224,760	$ 2.2949	$ 515,813	$ 751,415
November	242,573	$ 3.8219	$ 927,102	253,500	$ 0.9573	$ 242,683	233,570	$ 2.2945	$ 535,937	$ 778,620
December	238,521	$ 3.8211	$ 911,407	248,133	$ 0.9570	$ 237,470	227,567	$ 2.2939	$ 522,015	$ 759,485
Total	3,016,375	$ 3.76	$ 11,350,132	3,150,537	$ 0.95	$ 2,984,624	2,884,896	$ 2.27	$ 6,542,970	$ 9,527,595

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 9,527,595

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The purpose of this sheet is to calculate the expected billing when forecasted 2019 Uniform Transmission Rates are applied against historical 2018 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	240,556	$ 3.8300	$ 921,329	253,204	$ 0.9600	$ 243,076	231,285	$ 2.3000	$ 531,956	$ 775,031
February	239,796	$ 3.8300	$ 918,419	244,346	$ 0.9600	$ 234,572	224,250	$ 2.3000	$ 515,775	$ 750,347
March	234,324	$ 3.8300	$ 897,461	237,538	$ 0.9600	$ 228,036	218,083	$ 2.3000	$ 501,591	$ 729,627
April	227,084	$ 3.8300	$ 869,732	231,348	$ 0.9600	$ 222,094	210,637	$ 2.3000	$ 484,465	$ 706,559
May	254,148	$ 3.8300	$ 973,387	264,966	$ 0.9600	$ 254,367	240,835	$ 2.3000	$ 553,921	$ 808,288
June	242,018	$ 3.8300	$ 926,929	275,860	$ 0.9600	$ 264,826	252,410	$ 2.3000	$ 580,543	$ 845,369
July	262,119	$ 3.8300	$ 1,003,916	281,871	$ 0.9600	$ 270,596	258,498	$ 2.3000	$ 594,545	$ 865,142
August	268,738	$ 3.8300	$ 1,029,267	277,185	$ 0.9600	$ 266,098	252,750	$ 2.3000	$ 581,325	$ 847,423
September	286,494	$ 3.8300	$ 1,097,272	294,209	$ 0.9600	$ 282,441	267,920	$ 2.3000	$ 616,216	$ 898,657
October	236,206	$ 3.8300	$ 904,669	242,548	$ 0.9600	$ 232,846	221,262	$ 2.3000	$ 508,903	$ 741,749
November	238,946	$ 3.8300	$ 915,163	249,571	$ 0.9600	$ 239,588	229,641	$ 2.3000	$ 528,174	$ 767,762
December	234,566	$ 3.8300	$ 898,388	243,849	$ 0.9600	$ 234,095	223,283	$ 2.3000	$ 513,551	$ 747,646
Total	2,964,995	$ 3.83	$ 11,355,931	3,096,495	$ 0.96	$ 2,972,635	2,830,854	$ 2.30	$ 6,510,964	$ 9,483,599

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	4,172	$ 3.2915	$ 13,732	4,542	$ 0.7877	$ 3,577	4,542	$ 1.9755	$ 8,972	$ 12,549
February	3,770	$ 3.2915	$ 12,410	3,929	$ 0.7877	$ 3,095	3,929	$ 1.9755	$ 7,763	$ 10,858
March	3,348	$ 3.2915	$ 11,020	3,551	$ 0.7877	$ 2,797	3,551	$ 1.9755	$ 7,015	$ 9,812
April	3,167	$ 3.2915	$ 10,423	3,683	$ 0.7877	$ 2,901	3,683	$ 1.9755	$ 7,277	$ 10,178
May	4,815	$ 3.2915	$ 15,847	4,815	$ 0.7877	$ 3,792	4,815	$ 1.9755	$ 9,511	$ 13,304
June	5,036	$ 3.2915	$ 16,577	5,467	$ 0.7877	$ 4,306	5,467	$ 1.9755	$ 10,799	$ 15,106
July	5,534	$ 3.2915	$ 18,215	5,565	$ 0.7877	$ 4,384	5,565	$ 1.9755	$ 10,994	$ 15,378
August	5,161	$ 3.2915	$ 16,986	5,161	$ 0.7877	$ 4,065	5,161	$ 1.9755	$ 10,195	$ 14,260
September	5,618	$ 3.2915	$ 18,490	5,618	$ 0.7877	$ 4,425	5,618	$ 1.9755	$ 11,097	$ 15,522
October	3,177	$ 3.2915	$ 10,459	3,498	$ 0.7877	$ 2,755	3,498	$ 1.9755	$ 6,910	$ 9,666
November	3,627	$ 3.2915	$ 11,939	3,929	$ 0.7877	$ 3,095	3,929	$ 1.9755	$ 7,762	$ 10,857
December	3,955	$ 3.2915	$ 13,019	4,284	$ 0.7877	$ 3,375	4,284	$ 1.9755	$ 8,464	$ 11,839
Total	51,380	$ 3.29	$ 169,117	54,042	$ 0.79	$ 42,569	54,042	$ 1.98	$ 106,759	$ 149,328

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	244,728	$ 3.82	$ 935,062	257,746	$ 0.96	$ 246,653	235,827	$ 2.29	$ 540,927	$ 787,580
February	243,566	$ 3.82	$ 930,829	248,275	$ 0.96	$ 237,667	228,179	$ 2.29	$ 523,538	$ 761,205
March	237,672	$ 3.82	$ 908,481	241,089	$ 0.96	$ 230,833	221,634	$ 2.29	$ 508,606	$ 739,439
April	230,251	$ 3.82	$ 880,155	235,031	$ 0.96	$ 224,996	214,320	$ 2.29	$ 491,742	$ 716,737
May	258,963	$ 3.82	$ 989,234	269,781	$ 0.96	$ 258,160	245,650	$ 2.29	$ 563,432	$ 821,591
June	247,054	$ 3.82	$ 943,506	281,327	$ 0.96	$ 269,132	257,877	$ 2.29	$ 591,342	$ 860,474
July	267,653	$ 3.82	$ 1,022,130	287,436	$ 0.96	$ 274,980	264,063	$ 2.29	$ 605,539	$ 880,519
August	273,899	$ 3.82	$ 1,046,253	282,346	$ 0.96	$ 270,163	257,911	$ 2.29	$ 591,520	$ 861,682
September	292,112	$ 3.82	$ 1,115,762	299,827	$ 0.96	$ 286,866	273,538	$ 2.29	$ 627,313	$ 914,179
October	239,383	$ 3.82	$ 915,128	246,046	$ 0.96	$ 235,602	224,760	$ 2.29	$ 515,813	$ 751,415
November	242,573	$ 3.82	$ 927,102	253,500	$ 0.96	$ 242,683	233,570	$ 2.29	$ 535,937	$ 778,620
December	238,521	$ 3.82	$ 911,407	248,133	$ 0.96	$ 237,470	227,567	$ 2.29	$ 522,015	$ 759,485
Total	3,016,375	$ 3.82	$ 11,525,048	3,150,537	$ 0.96	$ 3,015,204	2,884,896	$ 2.29	$ 6,617,723	$ 9,632,927

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 9,632,927

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

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

Rate Class	Rate Description	Unit	Current RTSR-Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0068	394,026,830	0	2,679,382	24.4%	2,771,607	0.0070
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0062	145,906,512	0	904,620	8.2%	935,757	0.0064
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.6001		946,792	2,461,754	22.4%	2,546,488	2.6896
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	2.6970		150,707	406,456	3.7%	420,446	2.7898
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	2.6970		1,135,425	3,062,241	27.9%	3,167,643	2.7898
Large Use Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	3.2570		423,180	1,378,297	12.6%	1,425,738	3.3691
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0062	1,857,756	0	11,518	0.1%	11,915	0.0064
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	1.9906		51	102	0.0%	105	2.0591
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.3954		28,425	68,089	0.6%	70,433	2.4778

The purpose of this table is to re-align the current RTS Connection Rates to recover current wholesale connection costs.

Rate Class	Rate Description	Unit	Current RTSR-Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR-Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0062	394,026,830	0	2,442,966	24.9%	2,373,640	0.0060
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0055	145,906,512	0	802,486	8.2%	779,713	0.0053
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3084		946,792	2,185,575	22.3%	2,123,553	2.2429
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.3950		150,707	360,942	3.7%	350,699	2.3270
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.3950		1,135,425	2,719,343	27.7%	2,642,173	2.3270
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.8919		423,180	1,223,794	12.5%	1,189,065	2.8098
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0055	1,857,756	0	10,218	0.1%	9,928	0.0053
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.7675		51	90	0.0%	88	1.7173
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.1267		28,425	60,451	0.6%	58,736	2.0663

The purpose of this table is to update the re-aligned RTS Network Rates to recover future wholesale network costs.

Rate Class	Rate Description	Unit	Adjusted RTSR-Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR-Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0070	394,026,830	0	2,771,607	24.4%	2,814,320	**0.0071**
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0064	145,906,512	0	935,757	8.2%	950,178	**0.0065**
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.6896		946,792	2,546,488	22.4%	2,585,731	**2.7310**
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	2.7898		150,707	420,446	3.7%	426,925	**2.8328**
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	2.7898		1,135,425	3,167,643	27.9%	3,216,460	**2.8328**
Large Use Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	3.3691		423,180	1,425,738	12.6%	1,447,710	**3.4210**
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0064	1,857,756	0	11,915	0.1%	12,098	**0.0065**
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.0591		51	105	0.0%	107	**2.0908**
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.4778		28,425	70,433	0.6%	71,518	**2.5160**

The purpose of this table is to update the re-aligned RTS Connection Rates to recover future wholesale connection costs.

Rate Class	Rate Description	Unit	Adjusted RTSR-Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR-Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0060	394,026,830	0	2,373,640	24.9%	2,399,882	**0.0061**
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0053	145,906,512	0	779,713	8.2%	788,333	**0.0054**
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.2429		946,792	2,123,553	22.3%	2,147,029	**2.2677**
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.3270		150,707	350,699	3.7%	354,577	**2.3528**
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.3270		1,135,425	2,642,173	27.7%	2,671,384	**2.3528**
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.8098		423,180	1,189,065	12.5%	1,202,211	**2.8409**
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0053	1,857,756	0	9,928	0.1%	10,037	**0.0054**
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.7173		51	88	0.0%	89	**1.7362**
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.0663		28,425	58,736	0.6%	59,385	**2.0892**

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

If applicable, please enter any adjustments related to the revenue to cost ratio model into columns C and E. The Price Escalator and Stretch Factor have been set at the 2018 values and will be updated by OEB staff at a later date.

Price Escalator	**1.20%**	**Productivity Factor**	**0.00%**
Choose Stretch Factor Group	III	**Price Cap Index**	**0.90%**
Associated Stretch Factor Value	**0.30%**		

Rate Class	Current MFC	MFC Adjustment from R/C Model	Current Volumetric Charge	DVR Adjustment from R/C Model	Price Cap Index to be Applied to MFC and DVR	Proposed MFC	Proposed Volumetric Charge
RESIDENTIAL SERVICE CLASSIFICATION	29.22				0.90%	29.48	0.0000
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	16.94		0.0142		0.90%	17.09	0.0143
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	183.66		2.7982		0.90%	185.31	2.8234
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	580.97		3.1063		0.90%	586.20	3.1343
LARGE USE SERVICE CLASSIFICATION	1116.83		2.7908		0.90%	1,126.88	2.8159
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	4.96		0.0226		0.90%	5.00	0.0228
STANDBY POWER SERVICE CLASSIFICATION	0				0.90%	0.00	0.0000
SENTINEL LIGHTING SERVICE CLASSIFICATION	7.67		8.4893		0.90%	7.74	8.5657
STREET LIGHTING SERVICE CLASSIFICATION	0.44		10.408		0.90%	0.44	10.5017
microFIT SERVICE CLASSIFICATION	5.4					5.4	

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Update the following rates if an OEB Decision has been issued at the time of completing this application

Regulatory Charges

Effective Date of Regulatory Charges		January 1, 2019	January 1, 2020
Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$/kWh	0.25	0.25

Time-of-Use RPP Prices

As of		May 1, 2019
Off-Peak	$/kWh	0.0650
Mid-Peak	$/kWh	0.0940
On-Peak	$/kWh	0.1340

Smart Meter Entity Charge (SME)

Smart Meter Entity Charge (SME)	$	0.57

Distribution Rate Protection (DRP) Amount (Applicable to LDCs under the Distribution Rate Protection program):	$	36.86

Miscellaneous Service Charges

Wireline Pole Attachment Charge	Unit	Current charge	Inflation factor *	Proposed charge ** / ***
Specific charge for access to the power poles - per pole/year	$	43.63	1.20%	44.15

Retail Service Charges		Current charge	Inflation factor*	Proposed charge ***
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	$	100.00	1.20%	101.20
Monthly fixed charge, per retailer	$	40.00	1.20%	40.48
Monthly variable charge, per customer, per retailer	$/cust.	1.00	1.20%	1.01
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.60	1.20%	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	(0.60)	1.20%	(0.61)
Service Transaction Requests (STR)				-
Request fee, per request, applied to the requesting party	$	0.50	1.20%	0.51
Processing fee, per request, applied to the requesting party	$	1.00	1.20%	1.01
Electronic Business Transaction (EBT) system, applied to the requesting party				
up to twice a year		no charge		no charge
more than twice a year, per request (plus incremental delivery costs)	$	4.00	1.20%	4.05
Notice of switch letter charge, per letter	$	2.00	1.20%	2.02

* inflation factor subject to change pending OEB approved inflation rate effective in 2020
** applicable only to LDCs in which the province-wide pole attachment charge applies
*** subject to change pending OEB order on miscellaneous service charges

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

In the Green Cells below, enter all proposed rate riders/rates. Please note that the following rates/charges are to be entered in the Final Tariff Schedule tab: Monthly Service Charge, Distribution Volumetric Rate and Retail Transmission Rates.
In column A, select the rate rider descriptions from the drop-down list in the blue cells. If the rate description cannot be found, enter the rate rider descriptions in the green cells. The rate rider description must begin with "Rate Rider for".
In column B, choose the associated unit from the drop-down menu.
In column C, enter the rate. All rate riders with a "$" unit should be rounded to 2 decimal places and all others rounded to 4 decimal places.
In column E, enter the expiry date (e.g. April 30, 2020) or description of the expiry date in text (e.g. the effective date of the next cost of service-based rate order).
In column G, a sub-total (A or B) should already be assigned to the rate rider unless the rate description was entered into a green cell in column A. In these particular cases, from the dropdown list in column G, choose the appropriate sub-total (A or B) . Sub-Total A refers to rates/rate riders that Not considered as pass through costs (eg: LRAMVA and ICM/ACM rate riders). Sub-Total B refers to rates/rate riders that are considered pass through costs.

RESIDENTIAL SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.03	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.02	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.19	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0029	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.60	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0032	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

LARGE USE SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	1.15	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0029	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.01	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

STANDBY POWER SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

SENTINEL LIGHTING SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.01	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0088	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

STREET LIGHTING SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$/kW	0.0108	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

microFIT SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
			- effective until		
			- effective until		
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Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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

EB-2019-0018

RESIDENTIAL SERVICE CLASSIFICATION

This classification includes accounts taking electricity at 750 volts or less where the electricity is used exclusively in a separately metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	29.48
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.03
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(0.18)
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0062)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	$/kWh	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0061

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020
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EB-2019-0018

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	17.09
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.02
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(0.50)
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Distribution Volumetric Rate	$/kWh	0.0143
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0062)
Retail Transmission Rate - Network Service Rate	$/kWh	0.0065
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0054

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020
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EB-2019-0018

GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION

This classification includes non-residential accounts where monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 1,000 kW. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply: General Service 50 to 999 kW non-interval metered, and General Service 50 to 999 kW interval metered. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	185.31
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.19
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(3.80)
Distribution Volumetric Rate	$/kW	2.8234
Low Voltage Service Rate	$/kW	0.0121
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0062)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020 Applicable only for Non-Wholesale Market Participants	$/kW	(0.0701)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	0.1004
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0029
Retail Transmission Rate - Network Service Rate	$/kW	2.7310
Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	2.8328
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.2677
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.3528

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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

EB-2019-0018

GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION

This classification includes non-residential accounts where monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than 1,000 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

The rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to WMP, customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	586.20
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.60
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(46.33)
Distribution Volumetric Rate	$/kW	3.1343
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0062)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020 Applicable only for Non-Wholesale Market Participants	$/kW	(0.0919)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	0.1274
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0032
Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	2.8328
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.3528

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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EB-2019-0018

LARGE USE SERVICE CLASSIFICATION

This classification refers to an account where monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	1,126.88
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	1.15
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(151.18)
Distribution Volumetric Rate	$/kW	2.8159
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	(0.0006)
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0029
Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	3.4210
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.8409

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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EB-2019-0018

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification includes accounts taking electricity at 750 volts or less where monthly average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. These connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The customer provides detailed manufacturer information/documentation with regard to electrical demand/consumption of the proposed load. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	$	5.00
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.01
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(0.05)
Distribution Volumetric Rate	$/kWh	0.0228
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0062)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	$/kWh	0.0065
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0054

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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EB-2019-0018

STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide back-up 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - APPROVED ON AN INTERIM BASIS

Standby Charge - the charge is based on the applicable General Service 50 to 999 kW, or General Service 1,000 to 4,999 kW or Large Use Distribution Volumetric Rate applied to the generator's peak demand. A Standby Service Charge will be applied for a month where standby power is provided partially or is not provided.

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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EB-2019-0018

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	$	7.74
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.01
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(0.11)
Distribution Volumetric Rate	$/kW	8.5657
Low Voltage Service Rate	$/kW	0.0089
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	0.0211
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0088
Retail Transmission Rate - Network Service Rate	$/kW	2.0908
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.7362

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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EB-2019-0018

STREET LIGHTING SERVICE CLASSIFICATION

This classification is for roadway lighting with the Municipality. The consumption for this customer is based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	$	0.44
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(0.01)
Distribution Volumetric Rate	$/kW	10.5017
Low Voltage Service Rate	$/kW	0.0107
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0062)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	0.0284
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0108
Retail Transmission Rate - Network Service Rate	$/kW	2.5160
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.0892

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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EB-2019-0018

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	5.40

ALLOWANCES

Transformer Allowance for Ownership by General Service 50 to 999 kW customers - per kW of billing demand/month	$/kW	(0.72)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	(1.00)

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Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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

EB-2019-0018

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

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

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

Customer Administration

Arrears certificate	$	15.00
Returned cheque (plus bank charges)	$	8.55
Account setup charge/change of occupancy charge (plus credit agency costs if applicable)	$	8.75
Meter dispute charge plus Measurement Canada fees (if meter found correct)	$	10.00
Credit service charge for paperless bill	$	(10.00)

Non-Payment of Account

Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	$	9.00
Disconnect/reconnect at meter - during regular hours	$	20.00
Disconnect/reconnect at meter - after regular hours	$	50.00
Disconnect/reconnect at pole - during regular hours	$	50.00
Disconnect/reconnect at pole - after regular hours	$	95.00

Other

Service call - customer owned equipment	$	17.50
Service call - after regular hours	$	95.00
Specific charge for access to the power poles - $/pole/year (with the exception of wireless attachments)	$	44.15
Overhead bond connection - per connection	$	105.00
Underground bond connection - per connection	$	100.00

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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

EB-2019-0018

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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

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

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	$	101.20
Monthly Fixed Charge, per retailer	$	40.48
Monthly Variable Charge, per customer, per retailer	$/cust.	1.01
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	(0.61)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.51
Processing fee, per request, applied to the requesting party	$	1.01
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)	$	4.05
Notice of switch letter charge, per letter	$	2.02

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	1.026
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0137
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0157
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0036

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The bill comparisons below must be provided for typical customers and consumption levels. Bill impacts must be provided for residential customers consuming 750 kWh per month and general service customers consuming 2,000 kWh per month and having a monthly demand of less than 50 kW. Include bill comparisons for Non-RPP (retailer) as well. **To assess the combined effects of the shift to fixed rates and other bill impacts associated with changes in the cost of distribution service, applicants are to include a total bill impact for a residential customer at the distributor's 10th consumption percentile (In other words, 10% of a distributor's residential customers consume at or less than this level of consumption on a monthly basis). Refer to section 3.2.3 of the Chapter 3 Filing Requirements For Electricity Distribution Rate Applications.**

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

Note:
1. For those classes that are not eligible for the RPP price, the weighted average price including Class B GA through end of May 2018 of $0.1117/kWh (IESO's Monthly Market Report for May 2018, page 22) has been used to represent the cost of power. For those classes on a retailer contract, applicants should enter the contract price (plus GA) for a more accurate estimate. Changes to the cost of power can be made directly on the bill impact table for the specific class.
2. Please enter the applicable billing determinant (e.g. number of connections or devices) to be applied to the monthly service charge for unmetered rate classes in column N. If the monthly service charge is applied on a per customer basis, enter the number "1". Distributors should provide the number of connections or devices reflective of a typical customer in each class.

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

Table 1

RATE CLASSES / CATEGORIES *(eg: Residential TOU, Residential Retailer)*	**Units**	**RPP? Non-RPP Retailer? Non-RPP Other?**	**Current Loss Factor** (eg: 1.0351)	**Proposed Loss Factor**	**Consumption (kWh)**	**Demand kW (if applicable)**	**RTSR Demand or Demand-Interval?**	**Billing Determinant Applied to Fixed Charge for Unmetered Classes (e.g. # of devices/connections).**
RESIDENTIAL SERVICE CLASSIFICATION	**kWh**	RPP	1.026	1.026	750		CONSUMPTION	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	**kWh**	RPP	1.026	1.026	2,000		CONSUMPTION	
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.026	1.026	189,800	500	DEMAND	
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.026	1.026	489,100	1,000	EMAND - INTERVAL	
LARGE USE SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.0137	1.0137	4,215,750	7,500	EMAND - INTERVAL	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	**kWh**	RPP	1.026	1.026	750		CONSUMPTION	15
STANDBY POWER SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.026	1.026			DEMAND	
SENTINEL LIGHTING SERVICE CLASSIFICATION	**kW**	RPP	1.026	1.026	140	2	DEMAND	3
STREET LIGHTING SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.026	1.026	800,000	2,200	DEMAND	13,494
Add additional scenarios if required			1.026	1.026				
Add additional scenarios if required			1.026	1.026				
Add additional scenarios if required			1.026	1.026				
Add additional scenarios if required			1.026	1.026				
Add additional scenarios if required			1.026	1.026				
Add additional scenarios if required			1.026	1.026				
Add additional scenarios if required			1.026	1.026				
Add additional scenarios if required			1.026	1.026				
Add additional scenarios if required			1.026	1.026				
Add additional scenarios if required			1.026	1.026				
Add additional scenarios if required			1.026	1.026				

Table 2

RATE CLASSES / CATEGORIES *(eg: Residential TOU, Residential Retailer)*	Units	Sub-Total						Total	
		A		B		C		Total Bill	
		$	%	$	%	$	%	$	%
RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	$ (0.01)	0.0%	$ (2.19)	-6.5%	$ (2.03)	-4.7%	$ (2.13)	-1.9%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION - RPP	kWh	$ (0.43)	-0.9%	$ (3.63)	-6.8%	$ (3.22)	-4.1%	$ (3.38)	-1.3%
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ (18.76)	-1.2%	$ (2,463.41)	-84.9%	$ (2,418.31)	-45.1%	$ (2,732.69)	-8.7%
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ (35.67)	-1.0%	$ (6,347.47)	-90.3%	$ (6,253.87)	-51.6%	$ (7,066.87)	-8.9%
LARGE USE SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ (5,201.30)	-19.0%	$ (8,779.55)	-28.4%	$ (7,932.05)	-10.3%	$ (8,963.22)	-1.4%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - RPP	kWh	$ 0.76	0.8%	$ 0.08	0.1%	$ 0.24	0.2%	$ 0.27	0.1%
STANDBY POWER SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%
SENTINEL LIGHTING SERVICE CLASSIFICATION - RPP	kW	$ 0.39	1.0%	$ (0.29)	-0.7%	$ (0.15)	-0.3%	$ (0.17)	-0.2%
STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 1,814.56	6.7%	$ (8,515.40)	-26.0%	$ (8,332.58)	-19.5%	$ (9,415.82)	-6.0%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0260	
Proposed/Approved Loss Factor	1.0260	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 29.22	1	$ 29.22	$ 29.48	1	$ 29.48	$ 0.26	0.89%
Distribution Volumetric Rate	$ -	750	$ -	$ -	750	$ -	$ -	
Fixed Rate Riders	$ (0.18)	1	$ (0.18)	$ (0.15)	1	$ (0.15)	$ 0.03	-16.67%
Volumetric Rate Riders	$ 0.0004	750	$ 0.30	$ -	750	$ -	$ (0.30)	-100.00%
Sub-Total A (excluding pass through)			**$ 29.34**			**$ 29.33**	**$ (0.01)**	**-0.03%**
Line Losses on Cost of Power	$ 0.0824	20	$ 1.61	$ 0.0824	20	$ 1.61	$ -	0.00%
Total Deferral/Variance Account Rate Riders	$ 0.0010	750	$ 0.75	-$ 0.0001	750	$ (0.08)	$ (0.83)	-110.00%
CBR Class B Rate Riders	$ -	750	$ -	$ -	750	$ -	$ -	
GA Rate Riders	$ -	750	$ -	$ -	750	$ -	$ -	
Low Voltage Service Charge	$ -	750	$ -		750	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders	$ 0.0018	750	$ 1.35	$ -	750	$ -	$ (1.35)	-100.00%
Sub-Total B - Distribution (includes Sub-Total A)			**$ 33.62**			**$ 31.43**	**$ (2.19)**	**-6.50%**
RTSR - Network	$ 0.0068	770	$ 5.23	$ 0.0071	770	$ 5.46	$ 0.23	4.41% *In the manager's summary, discuss the reason*
RTSR - Connection and/or Line and Transformation Connection	$ 0.0062	770	$ 4.77	$ 0.0061	770	$ 4.69	$ (0.08)	-1.61%
Sub-Total C - Delivery (including Sub-Total B)			**$ 43.62**			**$ 41.59**	**$ (2.03)**	**-4.66%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	770	$ 2.62	$ 0.0034	770	$ 2.62	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	770	$ 0.38	$ 0.0005	770	$ 0.38	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
TOU - Off Peak	$ 0.0650	488	$ 31.69	$ 0.0650	488	$ 31.69	$ -	0.00%
TOU - Mid Peak	$ 0.0940	128	$ 11.99	$ 0.0940	128	$ 11.99	$ -	0.00%
TOU - On Peak	$ 0.1340	135	$ 18.09	$ 0.1340	135	$ 18.09	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 108.63**			**$ 106.60**	**$ (2.03)**	**-1.87%**
HST	13%		$ 14.12	13%		$ 13.86	$ (0.26)	-1.87%
8% Rebate	8%		$ (8.69)	8%		$ (8.53)	$ 0.16	
Total Bill on TOU			**$ 114.06**			**$ 111.93**	**$ (2.13)**	**-1.87%**

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	2,000	kWh
Demand	-	kW
Current Loss Factor	1.0260	
Proposed/Approved Loss Factor	1.0260	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 16.94	1	$ 16.94	$ 17.09	1	$ 17.09	$ 0.15	0.89%
Distribution Volumetric Rate	$ 0.0142	2000	$ 28.40	$ 0.0143	2000	$ 28.60	$ 0.20	0.70%
Fixed Rate Riders	$ (0.50)	1	$ (0.50)	$ (0.48)	1	$ (0.48)	$ 0.02	-4.00%
Volumetric Rate Riders	$ 0.0004	2000	$ 0.80	$ -	2000	$ -	$ (0.80)	-100.00%
Sub-Total A (excluding pass through)			**$ 45.64**			**$ 45.21**	**$ (0.43)**	**-0.94%**
Line Losses on Cost of Power	$ 0.0824	52	$ 4.28	$ 0.0824	52	$ 4.28	$ -	0.00%
Total Deferral/Variance Account Rate Riders	$ 0.0010	2,000	$ 2.00	$ -	2,000	$ -	$ (2.00)	-100.00%
CBR Class B Rate Riders	$ -	2,000	$ -	$ -	2,000	$ -	$ -	
GA Rate Riders	$ -	2,000	$ -	$ -	2,000	$ -	$ -	
Low Voltage Service Charge	$ -	2,000	$ -		2,000	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders	$ 0.0006	2,000	$ 1.20	$ -	2,000	$ -	$ (1.20)	-100.00%
Sub-Total B - Distribution (includes Sub-Total A)			**$ 53.69**			**$ 50.06**	**$ (3.63)**	**-6.76%**
RTSR - Network	$ 0.0062	2,052	$ 12.72	$ 0.0065	2,052	$ 13.34	$ 0.62	4.84%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0055	2,052	$ 11.29	$ 0.0054	2,052	$ 11.08	$ (0.21)	-1.82%
Sub-Total C - Delivery (including Sub-Total B)			**$ 77.70**			**$ 74.48**	**$ (3.22)**	**-4.14%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	2,052	$ 6.98	$ 0.0034	2,052	$ 6.98	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	2,052	$ 1.03	$ 0.0005	2,052	$ 1.03	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
TOU - Off Peak	$ 0.0650	1,300	$ 84.50	$ 0.0650	1,300	$ 84.50	$ -	0.00%
TOU - Mid Peak	$ 0.0940	340	$ 31.96	$ 0.0940	340	$ 31.96	$ -	0.00%
TOU - On Peak	$ 0.1340	360	$ 48.24	$ 0.1340	360	$ 48.24	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 250.65**			**$ 247.43**	**$ (3.22)**	**-1.28%**
HST	13%		$ 32.58	13%		$ 32.17	$ (0.42)	-1.28%
8% Rebate	8%		$ (20.05)	8%		$ (19.79)	$ 0.26	
Total Bill on TOU			**$ 263.19**			**$ 259.81**	**$ (3.38)**	**-1.28%**

In the manager's summary, discuss the reason

Customer Class:	**GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**189,800**	**kWh**
Demand	**500**	**kW**
Current Loss Factor	**1.0260**	
Proposed/Approved Loss Factor	**1.0260**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 183.66	1	$ 183.66	$ 185.31	1	$ 185.31	$ 1.65	0.90%
Distribution Volumetric Rate	$ 2.7982	500	$ 1,399.10	$ 2.8234	500	$ 1,411.70	$ 12.60	0.90%
Fixed Rate Riders	$ (3.80)	1	$ (3.80)	$ (3.61)	1	$ (3.61)	$ 0.19	-5.00%
Volumetric Rate Riders	$ 0.0693	500	$ 34.65	$ 0.0029	500	$ 1.45	$ (33.20)	-95.82%
Sub-Total A (excluding pass through)			**$ 1,613.61**			**$ 1,594.85**	**$ (18.76)**	**-1.16%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	$ 0.3646	500	$ 182.30	$ 0.0303	500	$ 15.15	$ (167.15)	-91.69%
CBR Class B Rate Riders	$ -	500	$ -	$ -	500	$ -	$ -	
GA Rate Riders	$ 0.0058	189,800	$ 1,100.84	-$ 0.0062	189,800	$ (1,176.76)	$ (2,277.60)	-206.90%
Low Voltage Service Charge	$ 0.0121	500	$ 6.05	$ 0.0121	500	$ 6.05	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders	-$ 0.0002	500	$ (0.10)	$ -	500	$ -	$ 0.10	-100.00%
Sub-Total B - Distribution (includes Sub-Total A)			**$ 2,902.70**			**$ 439.29**	**$ (2,463.41)**	**-84.87%**
RTSR - Network	$ 2.6001	500	$ 1,300.05	$ 2.7310	500	$ 1,365.50	$ 65.45	5.03% *In the manager's summary, discuss the reason*
RTSR - Connection and/or Line and Transformation Connection	$ 2.3084	500	$ 1,154.20	$ 2.2677	500	$ 1,133.85	$ (20.35)	-1.76%
Sub-Total C - Delivery (including Sub-Total B)			**$ 5,356.95**			**$ 2,938.64**	**$ (2,418.31)**	**-45.14%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	194,735	$ 662.10	$ 0.0034	194,735	$ 662.10	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	194,735	$ 97.37	$ 0.0005	194,735	$ 97.37	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	194,735	$ 21,829.77	$ 0.1121	194,735	$ 21,829.77	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 27,946.44**			**$ 25,528.13**	**$ (2,418.31)**	**-8.65%**
HST	13%		$ 3,633.04	13%		$ 3,318.66	$ (314.38)	-8.65%
Total Bill on Average IESO Wholesale Market Price			**$ 31,579.47**			**$ 28,846.78**	**$ (2,732.69)**	**-8.65%**

Customer Class:	**GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**489,100**	**kWh**
Demand	**1,000**	**kW**
Current Loss Factor	**1.0260**	
Proposed/Approved Loss Factor	**1.0260**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 580.97	1	$ 580.97	$ 586.20	1	$ 586.20	$ 5.23	0.90%
Distribution Volumetric Rate	$ 3.1063	1000	$ 3,106.30	$ 3.1343	1000	$ 3,134.30	$ 28.00	0.90%
Fixed Rate Riders	$ (46.33)	1	$ (46.33)	$ (45.73)	1	$ (45.73)	$ 0.60	-1.30%
Volumetric Rate Riders	$ 0.0727	1000	$ 72.70	$ 0.0032	1000	$ 3.20	$ (69.50)	-95.60%
Sub-Total A (excluding pass through)			**$ 3,713.64**			**$ 3,677.97**	**$ (35.67)**	**-0.96%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	$ 0.4756	1,000	$ 475.60	$ 0.0355	1,000	$ 35.50	$ (440.10)	-92.54%
CBR Class B Rate Riders	$ -	1,000	$ -	$ -	1,000	$ -	$ -	
GA Rate Riders	$ 0.0058	489,100	$ 2,836.78	-$ 0.0062	489,100	$ (3,032.42)	$ (5,869.20)	-206.90%
Low Voltage Service Charge	$ -	1,000	$ -		1,000	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders	$ 0.0025	1,000	$ 2.50	$ -	1,000	$ -	$ (2.50)	-100.00%
Sub-Total B - Distribution (includes Sub-Total A)			**$ 7,028.52**			**$ 681.05**	**$ (6,347.47)**	**-90.31%**
RTSR - Network	$ 2.6970	1,000	$ 2,697.00	$ 2.8328	1,000	$ 2,832.80	$ 135.80	5.04% *In the manager's summary, discuss the reason*
RTSR - Connection and/or Line and Transformation Connection	$ 2.3950	1,000	$ 2,395.00	$ 2.3528	1,000	$ 2,352.80	$ (42.20)	-1.76%
Sub-Total C - Delivery (including Sub-Total B)			**$ 12,120.52**			**$ 5,866.65**	**$ (6,253.87)**	**-51.60%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	501,817	$ 1,706.18	$ 0.0034	501,817	$ 1,706.18	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	501,817	$ 250.91	$ 0.0005	501,817	$ 250.91	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	501,817	$ 56,253.64	$ 0.1121	501,817	$ 56,253.64	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 70,331.50**			**$ 64,077.63**	**$ (6,253.87)**	**-8.89%**
HST	13%		$ 9,143.09	13%		$ 8,330.09	$ (813.00)	-8.89%
Total Bill on Average IESO Wholesale Market Price			**$ 79,474.59**			**$ 72,407.72**	**$ (7,066.87)**	**-8.89%**

Customer Class:	**LARGE USE SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**4,215,750**	**kWh**
Demand	**7,500**	**kW**
Current Loss Factor	**1.0137**	
Proposed/Approved Loss Factor	**1.0137**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 1,116.83	1	$ 1,116.83	$ 1,126.88	1	$ 1,126.88	$ 10.05	0.90%
Distribution Volumetric Rate	$ 2.7908	7500	$ 20,931.00	$ 2.8159	7500	$ 21,119.25	$ 188.25	0.90%
Fixed Rate Riders	$ (151.18)	1	$ (151.18)	$ (150.03)	1	$ (150.03)	$ 1.15	-0.76%
Volumetric Rate Riders	$ 0.7230	7500	$ 5,422.50	$ 0.0029	7500	$ 21.75	$ (5,400.75)	-99.60%
Sub-Total A (excluding pass through)			**$ 27,319.15**			**$ 22,117.85**	**$ (5,201.30)**	**-19.04%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	$ 0.4765	7,500	$ 3,573.75	-$ 0.0006	7,500	$ (4.50)	$ (3,578.25)	-100.13%
CBR Class B Rate Riders	$ -	7,500	$ -	$ -	7,500	$ -	$ -	
GA Rate Riders	$ -	4,215,750	$ -	$ -	4,215,750	$ -	$ -	
Low Voltage Service Charge	$ -	7,500	$ -		7,500	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders	$ -	7,500	$ -	$ -	7,500	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 30,892.90**			**$ 22,113.35**	**$ (8,779.55)**	**-28.42%**
RTSR - Network	$ 3.2570	7,500	$ 24,427.50	$ 3.4210	7,500	$ 25,657.50	$ 1,230.00	5.04%
RTSR - Connection and/or Line and Transformation Connection	$ 2.8919	7,500	$ 21,689.25	$ 2.8409	7,500	$ 21,306.75	$ (382.50)	-1.76%
Sub-Total C - Delivery (including Sub-Total B)			**$ 77,009.65**			**$ 69,077.60**	**$ (7,932.05)**	**-10.30%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	4,273,506	$ 14,529.92	$ 0.0034	4,273,506	$ 14,529.92	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	4,273,506	$ 2,136.75	$ 0.0005	4,273,506	$ 2,136.75	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	4,273,506	$ 479,060.00	$ 0.1121	4,273,506	$ 479,060.00	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 572,736.57**			**$ 564,804.52**	**$ (7,932.05)**	**-1.38%**
HST	13%		$ 74,455.75	13%		$ 73,424.59	$ (1,031.17)	-1.38%
Total Bill on Average IESO Wholesale Market Price			**$ 647,192.32**			**$ 638,229.11**	**$ (8,963.22)**	**-1.38%**

In the manager's summary, discuss the reason

Customer Class:	**UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**RPP**	
Consumption	**750**	**kWh**
Demand	**-**	**kW**
Current Loss Factor	**1.0260**	
Proposed/Approved Loss Factor	**1.0260**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 4.96	15	$ 74.40	$ 5.00	15	$ 75.00	$ 0.60	0.81%
Distribution Volumetric Rate	$ 0.0226	750	$ 16.95	$ 0.0228	750	$ 17.10	$ 0.15	0.88%
Fixed Rate Riders	$ (0.05)	1	$ (0.05)	$ (0.04)	1	$ (0.04)	$ 0.01	-20.00%
Volumetric Rate Riders	$ -	750	$ -	$ -	750	$ -	$ -	
Sub-Total A (excluding pass through)			**$ 91.30**			**$ 92.06**	**$ 0.76**	**0.83%**
Line Losses on Cost of Power	$ 0.0824	20	$ 1.61	$ 0.0824	20	$ 1.61	$ -	0.00%
Total Deferral/Variance Account Rate Riders	$ 0.0010	750	$ 0.75	$ 0.0001	750	$ 0.08	$ (0.68)	-90.00%
CBR Class B Rate Riders	$ -	750	$ -	$ -	750	$ -	$ -	
GA Rate Riders	$ -	750	$ -	$ -	750	$ -	$ -	
Low Voltage Service Charge	$ -	750	$ -		750	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders	$ -	750	$ -	$ -	750	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 93.66**			**$ 93.74**	**$ 0.08**	**0.09%**
RTSR - Network	$ 0.0062	770	$ 4.77	$ 0.0065	770	$ 5.00	$ 0.23	4.84% *In the manager's summary, discuss the reason*
RTSR - Connection and/or Line and Transformation Connection	$ 0.0055	770	$ 4.23	$ 0.0054	770	$ 4.16	$ (0.08)	-1.82%
Sub-Total C - Delivery (including Sub-Total B)			**$ 102.66**			**$ 102.90**	**$ 0.24**	**0.23%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	770	$ 2.62	$ 0.0034	770	$ 2.62	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	770	$ 0.38	$ 0.0005	770	$ 0.38	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
TOU - Off Peak	$ 0.0650	488	$ 31.69	$ 0.0650	488	$ 31.69	$ -	0.00%
TOU - Mid Peak	$ 0.0940	128	$ 11.99	$ 0.0940	128	$ 11.99	$ -	0.00%
TOU - On Peak	$ 0.1340	135	$ 18.09	$ 0.1340	135	$ 18.09	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 167.67**			**$ 167.91**	**$ 0.24**	**0.14%**
HST	13%		$ 21.80	13%		$ 21.83	$ 0.03	0.14%
Total Bill on TOU			**$ 189.47**			**$ 189.74**	**$ 0.27**	**0.14%**

Customer Class:	**STANDBY POWER SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**-**	**kWh**
Demand	**-**	**kW**
Current Loss Factor	**1.0260**	
Proposed/Approved Loss Factor	**1.0260**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ -	1	$ -	$ -	1	$ -	$ -	
Distribution Volumetric Rate	$ -	0	$ -	$ -	0	$ -	$ -	
Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Volumetric Rate Riders	$ -	0	$ -	$ -	0	$ -	$ -	
Sub-Total A (excluding pass through)			**$ -**			**$ -**	**$ -**	
Line Losses on Cost of Power	$ 0.1121	-	$ -	$ 0.1121	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
CBR Class B Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
GA Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
Low Voltage Service Charge	$ -	-	$ -		-	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ -**			**$ -**	**$ -**	
RTSR - Network	$ -	-	$ -	$ -	-	$ -	$ -	
RTSR - Connection and/or Line and Transformation Connection	$ -	-	$ -	$ -	-	$ -	$ -	
Sub-Total C - Delivery (including Sub-Total B)			**$ -**			**$ -**	**$ -**	
Wholesale Market Service Charge (WMSC)	$ 0.0034	-	$ -	$ 0.0034	-	$ -	$ -	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	-	$ -	$ 0.0005	-	$ -	$ -	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	-	$ -	$ 0.1121	-	$ -	$ -	
Total Bill on Average IESO Wholesale Market Price			**$ 0.25**			**$ 0.25**	**$ -**	**0.00%**
HST	13%		$ 0.03	13%		$ 0.03	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 0.28**			**$ 0.28**	**$ -**	**0.00%**

Customer Class:	**SENTINEL LIGHTING SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**RPP**	
Consumption	**140**	**kWh**
Demand	**2**	**kW**
Current Loss Factor	**1.0260**	
Proposed/Approved Loss Factor	**1.0260**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 7.67	3	$ 23.01	$ 7.74	3	$ 23.22	$ 0.21	0.91%
Distribution Volumetric Rate	$ 8.4893	2	$ 16.98	$ 8.5657	2	$ 17.13	$ 0.15	0.90%
Fixed Rate Riders	$ (0.11)	1	$ (0.11)	$ (0.10)	1	$ (0.10)	$ 0.01	-9.09%
Volumetric Rate Riders	$ -	2	$ -	$ 0.0088	2	$ 0.02	$ 0.02	
Sub-Total A (excluding pass through)			**$ 39.88**			**$ 40.27**	**$ 0.39**	**0.98%**
Line Losses on Cost of Power	$ 0.0824	4	$ 0.30	$ 0.0824	4	$ 0.30	$ -	0.00%
Total Deferral/Variance Account Rate Riders	$ 0.3598	2	$ 0.72	$ 0.0211	2	$ 0.04	$ (0.68)	-94.14%
CBR Class B Rate Riders	$ -	2	$ -	$ -	2	$ -	$ -	
GA Rate Riders	$ -	140	$ -	$ -	140	$ -	$ -	
Low Voltage Service Charge	$ 0.0089	2	$ 0.02	$ 0.0089	2	$ 0.02	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders	-$ 0.0004	2	$ (0.00)	$ -	2	$ -	$ 0.00	-100.00%
Sub-Total B - Distribution (includes Sub-Total A)			**$ 40.91**			**$ 40.63**	**$ (0.29)**	**-0.70%**
RTSR - Network	$ 1.9906	2	$ 3.98	$ 2.0908	2	$ 4.18	$ 0.20	5.03%
RTSR - Connection and/or Line and Transformation Connection	$ 1.7675	2	$ 3.54	$ 1.7362	2	$ 3.47	$ (0.06)	-1.77%
Sub-Total C - Delivery (including Sub-Total B)			**$ 48.43**			**$ 48.28**	**$ (0.15)**	**-0.31%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	144	$ 0.49	$ 0.0034	144	$ 0.49	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	144	$ 0.07	$ 0.0005	144	$ 0.07	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
TOU - Off Peak	$ 0.0650	91	$ 5.92	$ 0.0650	91	$ 5.92	$ -	0.00%
TOU - Mid Peak	$ 0.0940	24	$ 2.24	$ 0.0940	24	$ 2.24	$ -	0.00%
TOU - On Peak	$ 0.1340	25	$ 3.38	$ 0.1340	25	$ 3.38	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 60.77**			**$ 60.62**	**$ (0.15)**	**-0.24%**
HST	13%		$ 7.90	13%		$ 7.88	$ (0.02)	-0.24%
Total Bill on TOU			**$ 68.67**			**$ 68.50**	**$ (0.17)**	**-0.24%**

In the manager's summary, discuss the reason

Customer Class:	**STREET LIGHTING SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**800,000**	**kWh**
Demand	**2,200**	**kW**
Current Loss Factor	**1.0260**	
Proposed/Approved Loss Factor	**1.0260**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 0.44	13494	$ 5,937.36	$ 0.44	13494	$ 5,937.36	$ -	0.00%
Distribution Volumetric Rate	$ 10.4080	2200	$ 22,897.60	$ 10.5017	2200	$ 23,103.74	$ 206.14	0.90%
Fixed Rate Riders	$ (0.01)	1	$ (0.01)	$ (0.01)	1	$ (0.01)	$ -	0.00%
Volumetric Rate Riders	-$ 0.7203	2200	$ (1,584.66)	$ 0.0108	2200	$ 23.76	$ 1,608.42	-101.50%
Sub-Total A (excluding pass through)			**$ 27,250.29**			**$ 29,064.85**	**$ 1,814.56**	**6.66%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	$ 0.3604	2,200	$ 792.88	$ 0.0284	2,200	$ 62.48	$ (730.40)	-92.12%
CBR Class B Rate Riders	$ -	2,200	$ -	$ -	2,200	$ -	$ -	
GA Rate Riders	$ 0.0058	800,000	$ 4,640.00	-$ 0.0062	800,000	$ (4,960.00)	$ (9,600.00)	-206.90%
Low Voltage Service Charge	$ 0.0107	2,200	$ 23.54	$ 0.0107	2,200	$ 23.54	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders	-$ 0.0002	2,200	$ (0.44)	$ -	2,200	$ -	$ 0.44	-100.00%
Sub-Total B - Distribution (includes Sub-Total A)			**$ 32,706.27**			**$ 24,190.87**	**$ (8,515.40)**	**-26.04%**
RTSR - Network	$ 2.3954	2,200	$ 5,269.88	$ 2.5160	2,200	$ 5,535.20	$ 265.32	5.03% *In the manager's summary, discuss the reason*
RTSR - Connection and/or Line and Transformation Connection	$ 2.1267	2,200	$ 4,678.74	$ 2.0892	2,200	$ 4,596.24	$ (82.50)	-1.76%
Sub-Total C - Delivery (including Sub-Total B)			**$ 42,654.89**			**$ 34,322.31**	**$ (8,332.58)**	**-19.53%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	820,800	$ 2,790.72	$ 0.0034	820,800	$ 2,790.72	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	820,800	$ 410.40	$ 0.0005	820,800	$ 410.40	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	820,800	$ 92,011.68	$ 0.1121	820,800	$ 92,011.68	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 137,867.94**			**$ 129,535.36**	**$ (8,332.58)**	**-6.04%**
HST	13%		$ 17,922.83	13%		$ 16,839.60	$ (1,083.24)	-6.04%
Total Bill on Average IESO Wholesale Market Price			**$ 155,790.77**			**$ 146,374.96**	**$ (9,415.82)**	**-6.04%**

G-STAFF-1
ATTACHMENT 4 – RGM HRZ

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Version 2.0

Utility Name	Alectra Utilities Corporation
Service Territory	Horizon Utilities Rate Zone
Assigned EB Number	EB-2019-0018
Name of Contact and Title	Indy J. Butany-DeSouza, Vice-President, Regulatory Affairs
Phone Number	905-821-5727
Email Address	indy.butany@alectrautilities.com
We are applying for rates effective	January-01-20
Rate-Setting Method	**Price Cap IR**
1. Select the last Cost of Service rebasing year	**2019**
2. Select the year that the balances of Accounts 1588 and 1589 were last approved for disposition *(e.g. If 2017 balances were approved for disposition in the 2019 rate application, select 2017)*	**2017**
3. Select the year that the balances of the remaining Group 1 DVAs were last approved for disposition	**2017**
4. Select the earliest vintage year in which there is a balance in Account 1595 *(e.g. If 2016 is the earliest vintage year in which there is a balance in a 1595 sub-account, select 2016)*	**2013**
5. Did you have any Class A customers at any point during the period that the Account 1589 balance accumulated (i.e. from the year the balance was last disposed to the year requested for disposition)?	**Yes**
6. Did you have any customers classified as Class A at any point during the period where the balance in Account 1580, Sub-account CBR Class B accumulated (i.e. from the year the balance was last disposed to the year requested for disposition)?	**Yes**
7. Retail Transmission Service Rates: Alectra Utilities Corporation is:	**Transmission Connected**
8. Have you transitioned to fully fixed rates?	**Yes**

Legend

- Pale green cells represent input cells.
- Pale blue cells represent drop-down lists. The applicant should select the appropriate item from the drop-down list.
- Red cells represents flags to identify either non-matching values or incorrect user selections.
- Pale grey cell represent auto-populated RRR data.
- White cells contain fixed values, automatically generated values or formulae.

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

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

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date February 1, 2019
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2018-0016

RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separately metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	26.7
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Disposition of 2016 Earnings Sharing - effective until April 30, 2019	$	-0.16
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.05
Low Voltage Service Rate	$/kWh	0.00006
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 - Applicable only for Non-RPP Customers	$/kWh	-0.0029
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on an Interim Basis	$/kWh	-0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	-0.0006
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kWh	-0.0021
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Class B Customers	$/kWh	-0.00005
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kWh	0.0003
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kWh	0.0003
Retail Transmission Rate - Network Service Rate	$/kWh	0.0072
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0066

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date February 1, 2019
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2018-0016

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	42.29
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Disposition of 2016 Earnings Sharing - effective until April 30, 2019	$	-0.25
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.17
Distribution Volumetric Rate	$/kWh	0.0109
Low Voltage Service Rate	$/kWh	0.00006
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 - Applicable only for Non-RPP Customers	$/kWh	-0.0029
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on an Interim Basis	$/kWh	-0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	-0.0005
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kWh	-0.002
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Class B Customers	$/kWh	-0.00005
Rate Rider for Disposition of 2016 Earnings Sharing - effective until April 30, 2019	$/kWh	-0.0001
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kWh	0.0005
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kWh	0.0006
Retail Transmission Rate - Network Service Rate	$/kWh	0.0063
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0059

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date February 1, 2019
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2018-0016

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	389.4
Rate Rider for Disposition of 2016 Earnings Sharing - effective until April 30, 2019	$	-2.27
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	1.9
Distribution Volumetric Rate	$/kW	2.615
Low Voltage Service Rate	$/kW	0.02169
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants	$/kWh	-0.0029
Rate Rider for Disposition of Global Adjustment Account (2019) - effective May 1, 2019 until December 31, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants - Approved on an Interim Basis	$/kWh	-0.0003
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	0.108
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019 Applicable only for Non-Wholesale Market Participants	$/kW	-0.3086
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kW	-0.7411

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Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Class B Customers	$/kW	-0.0173
Rate Rider for Disposition of 2016 Earnings Sharing - effective until April 30, 2019	$/kW	-0.0153
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	0.0575
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.0066
Retail Transmission Rate - Network Service Rate	$/kW	2.5204
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3873

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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LARGE USE 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. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	24279.37
Rate Rider for Disposition of 2016 Earnings Sharing - effective until April 30, 2019	$	-142.57
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	73.3
Distribution Volumetric Rate	$/kW	1.4325
Low Voltage Service Rate	$/kW	0.02492
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants	$/kWh	-0.0029
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	0.1418
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019 Applicable only for Non-Wholesale Market Participants	$/kW	-0.4569
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kW	0.0873
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 Applicable only for Non-Wholesale Market Participants - Approved on an Interim Basis	$/kW	-1.2184
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Class B Customers	$/kW	-0.02611

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Rate Rider for Disposition of 2016 Earnings Sharing - effective until April 30, 2019	$/kW	-0.0084
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	0.2338
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.0205
Retail Transmission Rate - Network Service Rate	$/kW	2.8791
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.7433

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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LARGE USE WITH DEDICATED ASSETS SERVICE CLASSIFICATION

This classification applies to an account where 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 and using dedicated assets. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	5755.85
Rate Rider for Disposition of 2016 Earnings Sharing - effective until April 30, 2019	$	-33.55
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	30.84
Distribution Volumetric Rate	$/kW	0.3396
Low Voltage Service Rate	$/kW	0.02492
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	0.1635
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019 Applicable only for Non-Wholesale Market Participants	$/kW	-0.3761
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kW	0.0957
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 Applicable only for Non-Wholesale Market Participants - Approved on an Interim Basis	$/kW	-0.864
Rate Rider for Disposition of 2016 Earnings Sharing - effective until April 30, 2019	$/kW	-0.002
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	0.0049

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Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.0065
Retail Transmission Rate - Network Service Rate	$/kW	2.8791
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.7433

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide back-up 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component - APPROVED ON AN INTERIM BASIS

GS>50 Standby Charge - for a month where standby power is not provided. The charge is applied to the amount of reserved load transfer capacity contracted or the amount of monthly peak load displaced by a generating facility.	$/kW	2.615
Large Use Standby Charge - for a month where standby power is not provided. The charge is applied to the amount of reserved load transfer capacity contracted or the amount of monthly peak load displaced by a generating facility.	$/kW	1.4325
Large Use with Dedicated Assets Standby Charge - for a month where standby power is not provided. The charge is applied to the amount of reserved load transfer capacity contracted or the amount of monthly peak load displaced by a generating facility.	$/kW	0.3396

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UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	8.63
Rate Rider for Disposition of 2016 Earnings Sharing - effective until April 30, 2019	$	-0.05
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.03
Distribution Volumetric Rate	$/kWh	0.0134
Low Voltage Service Rate	$/kWh	0.00006
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants	$/kWh	-0.0029
Rate Rider for Disposition of Global Adjustment Account (2019) - effective December 31, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants - Approved on an Interim Basis	$/kWh	-0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	-0.0005
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kWh	-0.002
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Class B Customers	$/kWh	-0.00005
Rate Rider for Disposition of 2016 Earnings Sharing - effective until April 30, 2019	$/kWh	-0.0001
Retail Transmission Rate - Network Service Rate	$/kWh	0.0064
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.006

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification applies to safety/security lighting with a Residential, General Service or Large Use customer. This is typically exterior lighting, and often unmetered. Consumption is estimated based on the equipment rating and estimated hours of use. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per Connection)	$	5.63
Rate Rider for Disposition of 2016 Earnings Sharing - effective until April 30, 2019	$	-0.03
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.02
Distribution Volumetric Rate	$/kW	15.4416
Low Voltage Service Rate	$/kW	0.01745
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants	$/kWh	-0.0029
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants - Approved on an Interim Basis	$/kWh	-0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	-0.1968
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kW	-0.9482
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Class B Customers	$/kW	-0.01737
Rate Rider for Disposition of 2016 Earnings Sharing - effective until April 30, 2019	$/kW	-0.09
Retail Transmission Rate - Network Service Rate	$/kW	2.0943
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.9209

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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STREET LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per Connection)	$	1.95
Rate Rider for Disposition of 2016 Earnings Sharing - effective until April 30, 2019	$	-0.01
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	-0.01
Distribution Volumetric Rate	$/kW	5.1752
Low Voltage Service Rate	$/kW	0.01702
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants	$/kWh	-0.0029
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants - Approved on an Interim Basis	$/kWh	-0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	-0.1955
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kW	-0.7288
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Class B Customers	$/kW	-0.01726
Rate Rider for Disposition of 2016 Earnings Sharing - effective until April 30, 2019	$/kW	-0.0343
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	0.7614
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	1.5975
Retail Transmission Rate - Network Service Rate	$/kW	1.984
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.8729

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	5.4

ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand	$/kW	(0.73)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	-1

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SPECIFIC SERVICE CHARGES

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

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

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

Customer Administration		
Arrears certificate	$	15
Statement of account	$	15
Pulling of post dated cheques	$	15
Duplicate invoices for previous billing	$	15
Request for other billing information	$	15
Easement letter	$	15
Income tax letter	$	15
Notification charge	$	15
Account history	$	15
Returned cheque charge (plus bank charges)	$	15
Charge to certify cheque	$	15
Legal letter charge	$	15
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	$	30
Special meter reads	$	30
Meter dispute charge plus Measurement Canada fees (if meter found correct)	$	30
Credit card convenience charge	$	15
Credit check (plus credit agency costs)	$	15
Non-Payment of Account		
Late Payment – per month	%	1.5
Late Payment – per annum	%	19.56
Collection of account charge – no disconnection	$	30
Collection of account charge – no disconnection - after regular hours	$	165
Disconnect/reconnect at meter – during regular hours	$	65
Disconnect/reconnect at meter – after regular hours	$	185
Disconnect/reconnect at pole – during regular hours	$	185
Disconnect/reconnect at pole – after regular hours	$	415
Install/remove load control device – during regular hours	$	65
Install/remove load control device – after regular hours	$	185
Other		
Service call - customer owned equipment	$	30
Service call - after regular hours	$	165
Temporary service - install and remove - overhead - no transformer	$	500
Temporary service - install and remove - underground - no transformer	$	300
Temporary service - install and remove - overhead - with transformer	$	1000
Specific Charge for Access to the Power Poles - $/pole/year (with the exception of wireless attachments) - in effect from January 1, 2019	$	43.63
Administrative Billing Charge	$	150

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date February 1, 2019
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2018-0016

RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	$	100
Monthly Fixed Charge, per retailer	$	20
Monthly Variable Charge, per customer, per retailer	$/cust.	0.5
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.3
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	-0.3
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.25
Processing fee, per request, applied to the requesting party	$	0.5
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

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	1.0379
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.016
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0276
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.006

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

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		2013									
Account Descriptions	**Account Number**	**Opening Principal Amounts as of Jan 1, 2013**	**Transactions Debit / (Credit) during 2013**	**OEB-Approved Disposition during 2013**	**Principal Adjustments[1] during 2013**	**Closing Principal Balance as of Dec 31, 2013**	**Opening Interest Amounts as of Jan 1, 2013**	**Interest Jan 1 to Dec 31, 2013**	**OEB-Approved Disposition during 2013**	**Interest Adjustments[1] during 2013**	**Closing Interest Amounts as of Dec 31, 2013**
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge[5]	1580					0					0
Variance WMS – Sub-account CBR Class A[5]	1580					0					0
Variance WMS – Sub-account CBR Class B[5]	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power[4]	1588					0					0
RSVA - Global Adjustment[4]	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013)[3]	1595		5,370,489	4,894,519		475,969		(30,180)	72,247		(102,427)
Disposition and Recovery/Refund of Regulatory Balances (2014)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3] *Not to be disposed of until a year after rate rider has expired and that balance has been audited*	1595					0					0
RSVA - Global Adjustment	**1589**	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		0	5,370,489	4,894,519	0	475,969	0	(30,180)	72,247	0	(102,427)
Total Group 1 Balance		0	5,370,489	4,894,519	0	475,969	0	(30,180)	72,247	0	(102,427)
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**										
Total including Account 1568		0	5,370,489	4,894,519	0	475,969	0	(30,180)	72,247	0	(102,427)

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

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		2014									
Account Descriptions	**Account Number**	**Opening Principal Amounts as of Jan 1, 2014**	**Transactions Debit / (Credit) during 2014**	**OEB-Approved Disposition during 2014**	**Principal Adjustments[1] during 2014**	**Closing Principal Balance as of Dec 31, 2014**	**Opening Interest Amounts as of Jan 1, 2014**	**Interest Jan 1 to Dec 31, 2014**	**OEB-Approved Disposition during 2014**	**Interest Adjustments[1] during 2014**	**Closing Interest Amounts as of Dec 31, 2014**
Group 1 Accounts											
LV Variance Account	1550	0				0	0				0
Smart Metering Entity Charge Variance Account	1551	0				0	0				0
RSVA - Wholesale Market Service Charge[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B[5]	1580	0				0	0				0
RSVA - Retail Transmission Network Charge	1584	0				0	0				0
RSVA - Retail Transmission Connection Charge	1586	0				0	0				0
RSVA - Power[4]	1588	0				0	0				0
RSVA - Global Adjustment[4]	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013)[3]	1595	475,969				475,969	(102,427)	6,997			(95,431)
Disposition and Recovery/Refund of Regulatory Balances (2014)[3]	1595	0	10,296,124	10,223,947		72,177	0	174,451	175,164		(713)
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3] *Not to be disposed of until a year after rate rider has expired and that balance has been audited*	1595	0				0	0				0
RSVA - Global Adjustment	**1589**	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		475,969	10,296,124	10,223,947	0	548,146	(102,427)	181,447	175,164	0	(96,144)
Total Group 1 Balance		475,969	10,296,124	10,223,947	0	548,146	(102,427)	181,447	175,164	0	(96,144)
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**	(237,216)	(59,871)			(297,087)	(3,765)	(3,487)			(7,252)
Total including Account 1568		238,753	10,236,253	10,223,947	0	251,059	(106,192)	177,960	175,164	0	(103,396)

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

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		2015									
Account Descriptions	**Account Number**	**Opening Principal Amounts as of Jan 1, 2015**	**Transactions Debit / (Credit) during 2015**	**OEB-Approved Disposition during 2015**	**Principal Adjustments[1] during 2015**	**Closing Principal Balance as of Dec 31, 2015**	**Opening Interest Amounts as of Jan 1, 2015**	**Interest Jan 1 to Dec 31, 2015**	**OEB-Approved Disposition during 2015**	**Interest Adjustments[1] during 2015**	**Closing Interest Amounts as of Dec 31, 2015**
Group 1 Accounts											
LV Variance Account	1550	0				0	0				0
Smart Metering Entity Charge Variance Account	1551	0				0	0				0
RSVA - Wholesale Market Service Charge[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B[5]	1580	0				0	0				0
RSVA - Retail Transmission Network Charge	1584	0				0	0				0
RSVA - Retail Transmission Connection Charge	1586	0				0	0				0
RSVA - Power[4]	1588	0				0	0				0
RSVA - Global Adjustment[4]	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013)[3]	1595	475,969		475,969		(0)	(95,431)		(95,431)		(0)
Disposition and Recovery/Refund of Regulatory Balances (2014)[3]	1595	72,177				72,177	(713)	861			148
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595	0	(256,827)	(456,725)		199,898	0	1,587,899	1,610,163	4,710	(17,555)
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3] *Not to be disposed of until a year after rate rider has expired and that balance has been audited*	1595	0				0	0				0
RSVA - Global Adjustment	**1589**	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		548,146	(256,827)	19,244	0	272,075	(96,144)	1,588,759	1,514,733	4,710	(17,408)
Total Group 1 Balance		548,146	(256,827)	19,244	0	272,075	(96,144)	1,588,759	1,514,733	4,710	(17,408)
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**	(297,087)	85,881	(237,216)		26,010	(7,252)	(1,005)	(7,252)		(1,005)
Total including Account 1568		251,059	(170,946)	(217,972)	0	298,085	(103,396)	1,587,754	1,507,481	4,710	(18,413)

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

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		2016									
Account Descriptions	**Account Number**	**Opening Principal Amounts as of Jan 1, 2016**	**Transactions Debit / (Credit) during 2016**	**OEB-Approved Disposition during 2016**	**Principal Adjustments[1] during 2016**	**Closing Principal Balance as of Dec 31, 2016**	**Opening Interest Amounts as of Jan 1, 2016**	**Interest Jan 1 to Dec 31, 2016**	**OEB-Approved Disposition during 2016**	**Interest Adjustments[1] during 2016**	**Closing Interest Amounts as of Dec 31, 2016**
Group 1 Accounts											
LV Variance Account	1550	0				0	0				0
Smart Metering Entity Charge Variance Account	1551	0				0	0				0
RSVA - Wholesale Market Service Charge[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A[5]	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B[5]	1580	0				0	0				0
RSVA - Retail Transmission Network Charge	1584	0				0	0				0
RSVA - Retail Transmission Connection Charge	1586	0				0	0				0
RSVA - Power[4]	1588	0				0	0				0
RSVA - Global Adjustment[4]	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013)[3]	1595	(0)				(0)	(0)				(0)
Disposition and Recovery/Refund of Regulatory Balances (2014)[3]	1595	72,177		72,177		(0)	148		148		0
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595	199,898				199,898	(17,555)	2,199			(15,356)
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595	0	(8,988,872)	(9,183,780)		194,908	0	47,945	(343,678)		391,623
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3] *Not to be disposed of until a year after rate rider has expired and that balance has been audited*	1595	0				0	0				0
RSVA - Global Adjustment	**1589**	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		272,075	(8,988,872)	(9,111,603)	0	394,807	(17,408)	50,144	(343,530)	0	376,267
Total Group 1 Balance		272,075	(8,988,872)	(9,111,603)	0	394,807	(17,408)	50,144	(343,530)	0	376,267
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**	26,010	303,456			329,466	(1,005)	564			(441)
Total including Account 1568		298,085	(8,685,416)	(9,111,603)	0	724,273	(18,413)	50,708	(343,530)	0	375,826

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

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		2017									
Account Descriptions	**Account Number**	**Opening Principal Amounts as of Jan 1, 2017**	**Transactions Debit / (Credit) during 2017**	**OEB-Approved Disposition during 2017**	**Principal Adjustments[1] during 2017**	**Closing Principal Balance as of Dec 31, 2017**	**Opening Interest Amounts as of Jan 1, 2017**	**Interest Jan 1 to Dec 31, 2017**	**OEB-Approved Disposition during 2017**	**Interest Adjustments[1] during 2017**	**Closing Interest Amounts as of Dec 31, 2017**
Group 1 Accounts											
LV Variance Account	1550	0			1,139,147	1,139,147	0			13,255	13,255
Smart Metering Entity Charge Variance Account	1551	0			(51,637)	(51,637)	0			(549)	(549)
RSVA - Wholesale Market Service Charge[5]	1580	0			(9,088,255)	(9,088,255)	0			(111,555)	(111,555)
Variance WMS – Sub-account CBR Class A[5]	1580	0			(0)	(0)	0			(0)	(0)
Variance WMS – Sub-account CBR Class B[5]	1580	0			(241,082)	(241,082)	0			(2,465)	(2,465)
RSVA - Retail Transmission Network Charge	1584	0			(720,364)	(720,364)	0			(6,543)	(6,543)
RSVA - Retail Transmission Connection Charge	1586	0			1,375,343	1,375,343	0			20,185	20,185
RSVA - Power[4]	1588	0			(3,369,448)	(3,369,448)	0			12,969	12,969
RSVA - Global Adjustment[4]	1589	0			(5,163,933)	(5,163,933)	0			(17,345)	(17,345)
Disposition and Recovery/Refund of Regulatory Balances (2013)[3]	1595	(0)				(0)	(0)				(0)
Disposition and Recovery/Refund of Regulatory Balances (2014)[3]	1595	(0)				(0)	0				0
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595	199,898		199,898		0	(15,356)		(15,356)		(0)
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595	194,908				194,908	391,623	2,273			393,896
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	0	7,896,566	8,365,783		(469,217)	0	(46,776)	118,765		(165,541)
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3] *Not to be disposed of until a year after rate rider has expired and that balance has been audited*	1595	0				0	0				0
RSVA - Global Adjustment	**1589**	0	0	0	(5,163,933)	(5,163,933)	0	0	0	(17,345)	(17,345)
Total Group 1 Balance excluding Account 1589 - Global Adjustment		394,807	7,896,566	8,565,681	(10,956,296)	(11,230,605)	376,267	(44,503)	103,409	(74,703)	153,652
Total Group 1 Balance		394,807	7,896,566	8,565,681	(16,120,229)	(16,394,538)	376,267	(44,503)	103,409	(92,049)	136,306
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**	329,466	2,283,052			2,612,518	(441)	67,737			67,296
Total including Account 1568		724,273	10,179,618	8,565,681	(16,120,229)	(13,782,020)	375,826	23,234	103,409	(92,049)	203,602

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

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		2018									
Account Descriptions	**Account Number**	**Opening Principal Amounts as of Jan 1, 2018**	**Transactions Debit / (Credit) during 2018**	**OEB-Approved Disposition during 2018**	**Principal Adjustments[1] during 2018**	**Closing Principal Balance as of Dec 31, 2018**	**Opening Interest Amounts as of Jan 1, 2018**	**Interest Jan 1 to Dec 31, 2018**	**OEB-Approved Disposition during 2018**	**Interest Adjustments[1] during 2018**	**Closing Interest Amounts as of Dec 31, 2018**
Group 1 Accounts											
LV Variance Account	1550	1,139,147	321,620	552,752		908,015	13,255	17,819	12,548		18,526
Smart Metering Entity Charge Variance Account	1551	(51,637)	(178,481)	(23,673)		(206,445)	(549)	(3,261)	(527)		(3,282)
RSVA - Wholesale Market Service Charge[5]	1580	(9,088,255)	(546,626)	(4,482,609)		(5,152,272)	(111,555)	(116,342)	(103,234)	1,328	(123,335)
Variance WMS – Sub-account CBR Class A[5]	1580	(0)	0	(0)		0	(0)		(0)		0
Variance WMS – Sub-account CBR Class B[5]	1580	(241,082)	(91,957)	(185,940)		(147,099)	(2,465)	(3,448)	(4,079)		(1,834)
RSVA - Retail Transmission Network Charge	1584	(720,364)	1,014,698	(532,829)		827,163	(6,543)	(541)	(8,135)		1,051
RSVA - Retail Transmission Connection Charge	1586	1,375,343	2,227,632	941,983		2,660,991	20,185	41,639	23,764		38,060
RSVA - Power[4]	1588	(3,369,448)	5,566,552	671,361	305,763	1,831,505	12,969	(46,568)	26,769		(60,368)
RSVA - Global Adjustment[4]	1589	(5,163,933)	(4,015,065)	(4,813,354)	(298,836)	(4,664,480)	(17,345)	(39,280)	(83,437)		26,811
Disposition and Recovery/Refund of Regulatory Balances (2013)[3]	1595	(0)		(0)		0	(0)		(0)		0
Disposition and Recovery/Refund of Regulatory Balances (2014)[3]	1595	(0)		(0)		0	0		0		0
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595	0		0		0	(0)		0		(0)
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595	194,908		194,908		0	393,896		393,767		129
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595	(469,217)	8,204	0		(461,013)	(165,541)	(8,596)	0		(174,137)
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595	0	4,877,629	6,388,690		(1,511,060)	0	(40,616)	(318,040)		277,424
Disposition and Recovery/Refund of Regulatory Balances (2019)[3] *Not to be disposed of until a year after rate rider has expired and that balance has been audited*	1595	0				0	0				0
RSVA - Global Adjustment	**1589**	(5,163,933)	(4,015,065)	(4,813,354)	(298,836)	(4,664,480)	(17,345)	(39,280)	(83,437)	0	26,811
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(11,230,605)	13,199,271	3,524,643	305,763	(1,250,214)	153,652	(159,914)	22,833	1,328	(27,767)
Total Group 1 Balance		(16,394,538)	9,184,207	(1,288,710)	6,927	(5,914,694)	136,306	(199,194)	(60,604)	1,328	(956)
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**	2,612,518	2,147,752	1,288,713		3,471,557	67,296	66,358	59,371		74,283
Total including Account 1568		(13,782,020)	11,331,958	3	6,927	(2,443,137)	203,602	(132,836)	(1,233)	1,328	73,328

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

		2019				Projected Interest on Dec-31-18 Balances					2.1.7 RRR	
Account Descriptions	**Account Number**	**Principal Disposition during 2019 - instructed by OEB**	**Interest Disposition during 2019 - instructed by OEB**	**Closing Principal Balances as of Dec 31, 2018 Adjusted for Disposition during 2019**	**Closing Interest Balances as of Dec 31, 2018 Adjusted for Disposition during 2019**	**Projected Interest from Jan 1, 2019 to Dec 31, 2019 on Dec 31, 2018 balance adjusted for disposition during 2019 [2]**	**Projected Interest from Jan 1, 2020 to Apr 30, 2020 on Dec 31, 2018 balance adjusted for disposition during 2019 [2]**	**Total Interest**	**Total Claim**	**Account Disposition: Yes/No?**	**As of Dec 31, 2018**	**Variance RRR vs. 2018 Balance *(Principal + Interest)***
Group 1 Accounts												
LV Variance Account	1550	586,395	16,322	321,620	2,204	7,228		9,433	331,053		926,541	0
Smart Metering Entity Charge Variance Account	1551	(27,964)	(750)	(178,481)	(2,532)	(4,011)		(6,544)	(185,025)		(209,727)	0
RSVA - Wholesale Market Service Charge[5]	1580	(4,605,473)	(131,854)	(546,799)	8,519	(12,289)		(3,770)	(550,569)		(5,275,608)	(1)
Variance WMS – Sub-account CBR Class A[5]	1580	0	0	0	0	0		0	0		0	0
Variance WMS – Sub-account CBR Class B[5]	1580	(55,326)	(705)	(91,772)	(1,129)	(2,063)		(3,192)	(94,964)		(148,933)	0
RSVA - Retail Transmission Network Charge	1584	(187,535)	(5,654)	1,014,698	6,705	22,805		29,510	1,044,208		828,214	(0)
RSVA - Retail Transmission Connection Charge	1586	433,359	11,335	2,227,632	26,725	50,066		76,791	2,304,422		2,699,051	0
RSVA - Power[4]	1588	(4,040,810)	(93,064)	5,872,315	32,696	131,980		164,676	6,036,991	Yes	886,285	(884,852)
RSVA - Global Adjustment[4]	1589	(350,579)	28,402	(4,313,901)	(1,591)	(96,955)		(98,546)	(4,412,446)	Yes	(3,502,576)	1,135,092
Disposition and Recovery/Refund of Regulatory Balances (2013)[3]	1595	0	0	0	0	0		0	0	No	0	0
Disposition and Recovery/Refund of Regulatory Balances (2014)[3]	1595	0	0	0	0	0		0	0	No	0	0
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595			0	(0)	0		(0)	0	No	0	(0)
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595			0	129	0		129	0	No	0	(129)
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595			(461,013)	(174,137)	(10,361)		(184,499)	(645,512)	Yes	(634,909)	242
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595			(1,511,060)	277,424	(33,961)		243,463	0	No	(1,233,636)	0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3] *Not to be disposed of until a year after rate rider has expired and that balance has been audited*	1595	7,371,091	142,904	(7,371,091)	(142,904)	(165,665)		(308,569)	0	No		0
RSVA - Global Adjustment	**1589**	(350,579)	28,402	(4,313,901)	(1,591)	(96,955)	0	(98,546)	(4,412,446)		(3,502,576)	1,135,092
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(526,262)	(61,466)	(723,952)	33,699	(16,271)	0	17,428	8,240,604		(2,013,789)	(735,808)
Total Group 1 Balance		(8,247,932)	(33,064)	(5,037,853)	32,108	(113,226)	0	(81,117)	3,828,158		(5,516,365)	399,285
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**	876,841	33,064	2,594,716	41,219	58,316		99,536	2,694,252		3,545,840	0
Total including Account 1568		(7,371,091)	0	(2,443,137)	73,328	(54,910)	0	18,418	6,522,410		(1,970,524)	399,285

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Data on this worksheet has been populated using your most recent RRR filing.

If you have identified any issues, please contact the OEB.

Have you confirmed the accuracy of the data below?

If a distributor uses the actual GA price to bill non-RPP Class B customers for an entire rate class, it must exclude these customers from the allocation of the GA balance and the calculation of the resulting rate riders. These rate classes are not to be charged/refunded the general GA rate rider as they did not contribute to the GA balance.

Please contact the OEB to make adjustments to the IRM rate generator for this situation.

Rate Class	Unit	Total Metered kWh	Total Metered kW	Metered kWh for Non-RPP Customers (excluding WMP)	Metered kW for Non-RPP Customers (excluding WMP)	Metered kWh for Wholesale Market Participants (WMP)	Metered kW for Wholesale Market Participants (WMP)	Total Metered kWh less WMP consumption *(if applicable)*	Total Metered kW less WMP consumption *(if applicable)*	1595 Recovery Proportion (2017) [1]	1568 LRAM Variance Account Class Allocation ($ amounts)	Number of Customers for Residential and GS<50 classes [3]
RESIDENTIAL SERVICE CLASSIFICATION	kWh	1,659,016,812	0	56,706,021	0	0	0	1,659,016,812	0	30%	657,508	226,840
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	580,343,049	0	95,296,029	0	0	0	580,343,049	0	11%	401,104	18,992
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	1,836,354,553	4,746,295	1,638,077,798	3,948,743	9,937,969	17,495	1,826,416,584	4,728,800	34%	95,932	
LARGE USE SERVICE CLASSIFICATION	kW	194,222,636	360,260	187,410,801	339,710	6,811,835	20,550	187,410,801	339,710	5%	11,785	
LARGE USE WITH DEDICATED ASSETS SERVICE CLASSIFICATION	kW	1,110,706,646	2,002,430	338,136,687	775,690	772,569,984	1,226,740	338,136,662	775,690	21%	18,652	
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0	0%		
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	11,372,501	0	809,279	0	0	0	11,372,501	0	0%	26,995	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	482,317	1,321	4,291	20	0	0	482,317	1,321	0%		
STREET LIGHTING SERVICE CLASSIFICATION	kW	18,806,001	58,768	18,577,033	58,133	0	0	18,806,001	58,768	1%	107,715	
	Total	5,411,304,515	7,169,074	2,335,017,939	5,122,296	789,319,788	1,264,785	4,621,984,727	5,904,289	100%	2,694,252	245,832

Threshold Test

Total Claim (including Account 1568)	$6,522,410	
Total Claim for Threshold Test (All Group 1 Accounts)	$3,828,158	
Threshold Test (Total claim per kWh) [2]	$0.0007	**Claim does not meet the threshold test.**

As per Section 3.2.5 of the 2019 Filing Requirements for Electricity Distribution Rate Applications, an applicant may elect to dispose of the Group 1 account balances below the threshold. If doing so, please select YES from the adjacent drop-down cell and also indicate so in the Manager's Summary. If not, please select NO.

NO

[1] Residual Account balance to be allocated to rate classes in proportion to the recovery share as established when rate riders were implemented.

[2] The Threshold Test does not include the amount in 1568.

[3] The proportion of customers for the Residential and GS<50 Classes will be used to allocate Account 1551.

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

No input required. This workshseet allocates the deferral/variance account balances (Group 1 and 1568) to the appropriate classes as per EDDVAR dated July 31, 2009

Allocation of Group 1 Accounts (including Account 1568)

Rate Class	% of Total kWh	% of Customer Numbers **	% of Total kWh adjusted for WMP	1550	1551	1580 (allocated based on Total less WMP)	1584	1586	1588 (allocated based on Total less WMP)	1595_(2017)	1568
RESIDENTIAL SERVICE CLASSIFICATION	30.7%	92.3%	35.9%								657,508
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	10.7%	7.7%	12.6%								401,104
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	33.9%	0.0%	39.5%								95,932
LARGE USE SERVICE CLASSIFICATION	3.6%	0.0%	4.1%								11,785
LARGE USE WITH DEDICATED ASSETS SERVICE CLASSIFICATION	20.5%	0.0%	7.3%								18,652
STANDBY POWER SERVICE CLASSIFICATION	0.0%	0.0%	0.0%								0
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	0.2%	0.0%	0.2%								26,995
SENTINEL LIGHTING SERVICE CLASSIFICATION	0.0%	0.0%	0.0%								0
STREET LIGHTING SERVICE CLASSIFICATION	0.3%	0.0%	0.4%								107,715
Total	100.0%	100.0%	100.0%	0	0	0	0	0	0	0	1,319,691

*** Used to allocate Account 1551 as this account records the variances arising from the Smart Metering Entity Charges to Residential and GS<50 customers.*

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Input required at cells C13 and C14. This workshseet calculates rate riders related to the Deferral/Variance Account Disposition (if applicable) and rate riders for Account 1568. Rate Riders will not be generated for the microFIT class.

Default Rate Rider Recovery Period (in months)	**12**	
DVA Proposed Rate Rider Recovery Period (in months)	**12**	Rate Rider Recovery to be used below
LRAM Proposed Rate Rider Recovery Period (in months)	**12**	Rate Rider Recovery to be used below

Rate Class	Unit	Total Metered kWh	Metered kW or kVA	Total Metered kWh less WMP consumption	Total Metered kW less WMP consumption	Allocation of Group 1 Account Balances to All Classes [2]	Allocation of Group 1 Account Balances to Non-WMP Classes Only (If Applicable) [2]	Deferral/Variance Account Rate Rider [2]	Deferral/Variance Account Rate Rider for Non-WMP (if applicable) [2]	Account 1568 Rate Rider	Revenue Reconcilation [1]
RESIDENTIAL SERVICE CLASSIFICATION	kWh	1,659,016,812	0	1,659,016,812	0	0		0.0000	0.0000	0.0004	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	580,343,049	0	580,343,049	0	0		0.0000	0.0000	0.0007	
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	1,836,354,553	4,746,295	1,826,416,584	4,728,800	0		0.0000	0.0000	0.0202	
LARGE USE SERVICE CLASSIFICATION	kW	194,222,636	360,260	187,410,801	339,710	0		0.0000	0.0000	0.0327	
LARGE USE WITH DEDICATED ASSETS SERVICE CLASSIFICATION	kW	1,110,706,646	2,002,430	338,136,662	775,690	0		0.0000	0.0000	0.0093	
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0		0.0000	0.0000	0.0000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	11,372,501	0	11,372,501	0	0		0.0000	0.0000	0.0024	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	482,317	1,321	482,317	1,321	0		0.0000	0.0000	0.0000	
STREET LIGHTING SERVICE CLASSIFICATION	kW	18,806,001	58,768	18,806,001	58,768	0		0.0000	0.0000	1.8329	
											0.00

[1] When calculating the revenue reconciliation for distributors with Class A customers, the balances of sub-account 1580-CBR Class B will not be taken into consideration if there are Class A customers since the rate riders, if any, are calculated separately.

[2] Only for rate classes with WMP customers are the Deferral/Variance Account Rate Riders for Non-WMP (column H and J) calculated separately. For all rate classes without WMP customers, balances in account 1580 and 1588 are included in column G and disposed through a combined Deferral/Variance Account and Rate Rider.

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Summary - Sharing of Tax Change Forecast Amounts

	2019	2020
OEB-Approved Rate Base	$ -	$ -
OEB-Approved Regulatory Taxable Income	$ -	$ -
Federal General Rate		15.0%
Federal Small Business Rate		9.0%
Federal Small Business Rate (calculated effective rate)[1,2]		9.0%
Ontario General Rate		11.5%
Ontario Small Business Rate		3.5%
Ontario Small Business Rate (calculated effective rate)[1,2]		3.5%
Federal Small Business Limit		$ 500,000
Ontario Small Business Limit		$ 500,000
Federal Taxes Payable		$ -
Provincial Taxes Payable		$ -
Federal Effective Tax Rate		0.0%
Provincial Effective Tax Rate		0.0%
Combined Effective Tax Rate	0.0%	0.0%
Total Income Taxes Payable	$ -	$ -
OEB-Approved Total Tax Credits (enter as positive number)	$ -	$ -
Income Tax Provision	$ -	$ -
Grossed-up Income Taxes	$ -	$ -
Incremental Grossed-up Tax Amount		$ -
Sharing of Tax Amount (50%)		**$ -**

Notes

1. Regarding the small business deduction, if applicable,
   a. If taxable capital exceeds $15 million, the small business rate will not be applicable.
   b. If taxable capital is below $10 million, the small business rate would be applicable.
   c. If taxable capital is between $10 million and $15 million, the appropriate small business rate will be calculated.

2. The OEB's proxy for taxable capital is rate base.

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Calculation of Rebased Revenue Requirement and Allocation of Tax Sharing Amount. Enter data from the last OEB-Approved Cost of Service application in columns C through H.

As per Chapter 3 Filing Requirements, shared tax rate riders are based on a 1 year disposition.

Rate Class		Re-based Billed Customers or Connections	Re-based Billed kWh	Re-based Billed kW	Re-based Service Charge	Re-based Distribution Volumetric Rate kWh	Re-based Distribution Volumetric Rate kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Revenue Requirement from Rates	Service Charge % Revenue	Distribution Volumetric Rate % Revenue kWh	Distribution Volumetric Rate % Revenue kW	Total % Revenue
RESIDENTIAL SERVICE CLASSIFICATION	kWh	225,004	1,537,580,329	0	26.70	0.0000	0.0000	72,091,282	0	0	72,091,282	100.0%	0.0%	0.0%	62.5%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	18,847	558,828,431	0	42.29	0.0109	0.0000	9,564,476	6,091,230	0	15,655,705	61.1%	38.9%	0.0%	13.6%
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	2,031	1,751,908,545	4,824,433	389.40	0.0000	2.6150	9,490,457	0	12,615,893	22,106,350	42.9%	0.0%	57.1%	19.2%
LARGE USE SERVICE CLASSIFICATION	kW	5	220,526,377	456,126	24279.37	0.0000	1.4325	1,456,762	0	653,400	2,110,162	69.0%	0.0%	31.0%	1.8%
LARGE USE WITH DEDICATED ASSETS SERVICE CLASSIFICATION	kW	7	1,050,812,632	1,982,814	5755.85	0.0000	0.3396	483,491	0	673,363	1,156,855	41.8%	0.0%	58.2%	1.0%
STANDBY POWER SERVICE CLASSIFICATION	kW		0	0				0	0	0	0	0.0%	0.0%	0.0%	0.0%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,958	11,347,508	0	8.63	0.0134	0.0000	306,330	152,057	0	458,387	66.8%	33.2%	0.0%	0.4%
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	342	439,954	947	5.63	0.0000	15.4416	23,106	0	14,622	37,727	61.2%	0.0%	38.8%	0.0%
STREET LIGHTING SERVICE CLASSIFICATION	kW	53,035	31,193,672	87,344	1.95	0.0000	5.1752	1,241,019	0	452,024	1,693,043	73.3%	0.0%	26.7%	1.5%
Total		302,229	5,162,637,449	7,351,664				94,656,923	6,243,287	14,409,302	115,309,511				100.0%

Rate Class		Total kWh (most recent RRR filing)	Total kW (most recent RRR filing)	Allocation of Tax Savings by Rate Class	Distribution Rate Rider	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	1,659,016,812		0	0.00	$/customer
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	580,343,049		0	0.0000	kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	1,836,354,553	4,746,295	0	0.0000	kW
LARGE USE SERVICE CLASSIFICATION	kW	194,222,636	360,260	0	0.0000	kW
LARGE USE WITH DEDICATED ASSETS SERVICE CLASSIFICATION	kW	1,110,706,646	2,002,430	0	0.0000	kW
STANDBY POWER SERVICE CLASSIFICATION	kW			0	0.0000	kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	11,372,501		0	0.0000	kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	482,317	1,321	0	0.0000	kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	18,806,001	58,768	0	0.0000	kW
Total		5,411,304,515	7,169,074	$0		

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Columns E and F have been populated with data from the most recent RRR filing. Rate classes that have more than one Network or Connection charge will notice that the cells are highlighted in green and unlocked.
If the data needs to be modified, please make the necessary adjustments and note the changes in your manager's summary. As well, the Loss Factor has been imported from Tab 2.

Rate Class	Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor	Loss Adjusted Billed kWh
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0072	1,659,016,812	0	1.0379	1,721,893,549
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0066	1,659,016,812	0	1.0379	1,721,893,549
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0063	580,343,049	0	1.0379	602,338,051
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0059	580,343,049	0	1.0379	602,338,051
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.5204	1,836,354,553	4,746,295		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3873	1,836,354,553	4,746,295		
Large Use Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.8791	194,222,636	360,260		
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.7433	194,222,636	360,260		
Large Use With Dedicated Assets Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.8791	1,110,706,646	2,002,430		
Large Use With Dedicated Assets Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.7433	1,110,706,646	2,002,430		
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0064	11,372,501	0	1.0379	11,803,519
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0060	11,372,501	0	1.0379	11,803,519
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.0943	482,317	1,321		
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.9209	482,317	1,321		
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	1.9840	18,806,001	58,768		
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.8729	18,806,001	58,768		

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Uniform Transmission Rates	Unit	2018	2019 (Jan 1 - June 30)	2019 (July 1 - Dec 31)	2020
Rate Description		**Rate**	**Rate**	**Rate**	**Rate**
Network Service Rate	kW	$ 3.61	$ 3.71	$ 3.83	$ 3.83
Line Connection Service Rate	kW	$ 0.95	$ 0.94	$ 0.96	$ 0.96
Transformation Connection Service Rate	kW	$ 2.34	$ 2.25	$ 2.30	$ 2.30

Hydro One Sub-Transmission Rates	Unit	2018	2019 (Jan 1 - June 30)	2019 (July 1 - Dec 31)	2020
Rate Description		**Rate**	**Rate**	**Rate**	**Rate**
Network Service Rate	kW	$ 3.1942	$ 3.1942	$ 3.2915	$ 3.2915
Line Connection Service Rate	kW	$ 0.7710	$ 0.7710	$ 0.7877	$ 0.7877
Transformation Connection Service Rate	kW	$ 1.7493	$ 1.7493	$ 1.9755	$ 1.9755
Both Line and Transformation Connection Service Rate	kW	$ 2.5203	$ 2.5203	$ 2.7632	$ 2.7632

If needed, add extra host here. (I)	Unit	2018	2019		2020
Rate Description		**Rate**	**Rate**		**Rate**
Network Service Rate	kW				
Line Connection Service Rate	kW				
Transformation Connection Service Rate	kW				
Both Line and Transformation Connection Service Rate	kW	$ -	$ -		$ -

If needed, add extra host here. (II)	Unit	2018	2019		2020
Rate Description		**Rate**	**Rate**		**Rate**
Network Service Rate	kW				
Line Connection Service Rate	kW				
Transformation Connection Service Rate	kW				
Both Line and Transformation Connection Service Rate	kW	$ -	$ -		$ -

		Historical 2018	Current 2019		Forecast 2020
Low Voltage Switchgear Credit (if applicable, enter as a negative value)	$				

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Tab 10. For Hydro One Sub-transmission Rates, if you are charged a combined Line and Transformer connection rate, please ensure that both the Line Connection and Transformation Connection columns are completed.
If any of the Hydro One Sub-transmission rates (column E, I and M) are highlighted in red, please double check the billing data entered in "Units Billed" and "Amount" columns. The highlighted rates do not match the Hydro One Sub-transmission rates approved for that time period. If data has been entered correctly, please provide explanation for the discrepancy in rates.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	741,129	$3.61	$ 2,675,476	732,484	$0.95	$ 695,860	791,656	$2.34	$ 1,852,475	$ 2,548,335
February	717,607	$3.61	$ 2,590,561	693,246	$0.95	$ 658,584	755,076	$2.34	$ 1,766,878	$ 2,425,462
March	666,192	$3.61	$ 2,404,953	655,539	$0.95	$ 622,762	709,660	$2.34	$ 1,660,604	$ 2,283,366
April	647,420	$3.61	$ 2,337,186	658,647	$0.95	$ 625,715	714,645	$2.34	$ 1,672,269	$ 2,297,984
May	815,771	$3.61	$ 2,944,933	817,926	$0.95	$ 777,030	877,691	$2.34	$ 2,053,797	$ 2,830,827
June	868,526	$3.61	$ 3,135,379	877,456	$0.95	$ 833,583	939,892	$2.34	$ 2,199,347	$ 3,032,930
July	937,218	$3.61	$ 3,383,357	909,168	$0.95	$ 863,710	980,556	$2.34	$ 2,294,501	$ 3,158,211
August	923,498	$3.61	$ 3,333,828	889,752	$0.95	$ 845,264	958,921	$2.34	$ 2,243,875	$ 3,089,140
September	943,351	$3.61	$ 3,405,497	910,112	$0.95	$ 864,606	977,403	$2.34	$ 2,287,123	$ 3,151,729
October	709,745	$3.61	$ 2,562,179	708,311	$0.95	$ 672,895	767,613	$2.34	$ 1,796,214	$ 2,469,110
November	697,182	$3.61	$ 2,516,827	671,000	$0.95	$ 637,450	727,528	$2.34	$ 1,702,416	$ 2,339,866
December	681,043	$3.61	$ 2,458,565	674,327	$0.95	$ 640,611	729,866	$2.34	$ 1,707,886	$ 2,348,497
Total	9,348,682	$ 3.61	$ 33,748,742	9,197,968	$ 0.95	$ 8,738,070	9,930,507	$ 2.34	$ 23,237,386	$ 31,975,456

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	64,191	$3.1942	$ 205,038	64,351	$0.7710	$ 49,615	64,351	$1.7493	$ 112,569	$ 162,184
February	59,349	$3.1942	$ 189,572	59,519	$0.7710	$ 45,889	59,519	$1.7493	$ 104,117	$ 150,006
March	59,428	$3.1942	$ 189,824	59,955	$0.7710	$ 46,225	59,955	$1.7493	$ 104,880	$ 151,105
April	56,066	$3.1942	$ 179,086	58,442	$0.7710	$ 45,058	58,442	$1.7493	$ 102,232	$ 147,290
May	77,470	$3.1942	$ 247,455	77,853	$0.7710	$ 60,025	77,853	$1.7493	$ 136,188	$ 196,213
June	77,470	$3.1942	$ 247,455	77,853	$0.7710	$ 60,025	77,853	$1.7493	$ 136,188	$ 196,213
July	87,411	$3.1942	$ 279,209	88,529	$0.7710	$ 68,256	88,529	$1.7493	$ 154,864	$ 223,120
August	87,733	$3.1942	$ 280,238	88,427	$0.7710	$ 68,177	88,427	$1.7493	$ 154,685	$ 222,862
September	89,718	$3.1942	$ 286,577	90,337	$0.7710	$ 69,650	90,337	$1.7493	$ 158,027	$ 227,677
October	74,044	$3.1942	$ 236,512	75,989	$0.7710	$ 58,587	75,989	$1.7493	$ 132,927	$ 191,515
November	68,599	$3.1942	$ 219,118	68,688	$0.7710	$ 52,959	68,688	$1.7493	$ 120,156	$ 173,115
December	79,347	$3.1942	$ 253,449	80,260	$0.7710	$ 61,881	80,260	$1.7493	$ 140,399	$ 202,280
Total	880,826	$ 3.1942	$ 2,813,533	890,203	$ 0.7710	$ 686,347	890,203	$ 1.7493	$ 1,557,233	$ 2,243,579

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	805,320	$ 3.5769	$ 2,880,514	796,835	$ 0.9355	$ 745,474	856,007	$ 2.2956	$ 1,965,044	$ 2,710,519
February	776,956	$ 3.5782	$ 2,780,133	752,765	$ 0.9358	$ 704,473	814,595	$ 2.2968	$ 1,870,994	$ 2,575,467
March	725,620	$ 3.5759	$ 2,594,777	715,494	$ 0.9350	$ 668,987	769,615	$ 2.2940	$ 1,765,484	$ 2,434,471
April	703,486	$ 3.5769	$ 2,516,272	717,089	$ 0.9354	$ 670,773	773,087	$ 2.2953	$ 1,774,501	$ 2,445,274
May	893,241	$ 3.5739	$ 3,192,388	895,779	$ 0.9344	$ 837,054	955,544	$ 2.2919	$ 2,189,985	$ 3,027,040
June	945,996	$ 3.5759	$ 3,382,834	955,309	$ 0.9354	$ 893,608	1,017,745	$ 2.2948	$ 2,335,536	$ 3,229,143
July	1,024,629	$ 3.5745	$ 3,662,566	997,697	$ 0.9341	$ 931,965	1,069,085	$ 2.2911	$ 2,449,365	$ 3,381,330
August	1,011,231	$ 3.5739	$ 3,614,066	978,179	$ 0.9338	$ 913,441	1,047,348	$ 2.2901	$ 2,398,560	$ 3,312,002
September	1,033,069	$ 3.5739	$ 3,692,075	1,000,449	$ 0.9338	$ 934,256	1,067,740	$ 2.2900	$ 2,445,150	$ 3,379,406
October	783,789	$ 3.5707	$ 2,798,692	784,300	$ 0.9327	$ 731,483	843,602	$ 2.2868	$ 1,929,142	$ 2,660,625
November	765,781	$ 3.5728	$ 2,735,945	739,688	$ 0.9334	$ 690,409	796,216	$ 2.2890	$ 1,822,572	$ 2,512,981
December	760,390	$ 3.5666	$ 2,712,014	754,587	$ 0.9310	$ 702,491	810,126	$ 2.2815	$ 1,848,286	$ 2,550,777
Total	10,229,508	$ 3.57	$ 36,562,275	10,088,171	$ 0.93	$ 9,424,416	10,820,710	$ 2.29	$ 24,794,619	$ 34,219,035

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 34,219,035

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The purpose of this sheet is to calculate the expected billing when current 2019 Uniform Transmission Rates are applied against historical 2018 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	741,129	$ 3.7100	$ 2,749,589	732,484	$ 0.9400	$ 688,535	791,656	$ 2.2500	$ 1,781,226	$ 2,469,761
February	717,607	$ 3.7100	$ 2,662,322	693,246	$ 0.9400	$ 651,651	755,076	$ 2.2500	$ 1,698,921	$ 2,350,572
March	666,192	$ 3.7100	$ 2,471,572	655,539	$ 0.9400	$ 616,207	709,660	$ 2.2500	$ 1,596,735	$ 2,212,942
April	647,420	$ 3.7100	$ 2,401,928	658,647	$ 0.9400	$ 619,128	714,645	$ 2.2500	$ 1,607,951	$ 2,227,079
May	815,771	$ 3.7100	$ 3,026,510	817,926	$ 0.9400	$ 768,850	877,691	$ 2.2500	$ 1,974,805	$ 2,743,655
June	868,526	$ 3.7100	$ 3,222,231	877,456	$ 0.9400	$ 824,809	939,892	$ 2.2500	$ 2,114,757	$ 2,939,566
July	937,218	$ 3.8300	$ 3,589,545	909,168	$ 0.9600	$ 872,801	980,556	$ 2.3000	$ 2,255,279	$ 3,128,080
August	923,498	$ 3.8300	$ 3,536,997	889,752	$ 0.9600	$ 854,162	958,921	$ 2.3000	$ 2,205,518	$ 3,059,680
September	943,351	$ 3.8300	$ 3,613,034	910,112	$ 0.9600	$ 873,708	977,403	$ 2.3000	$ 2,248,027	$ 3,121,734
October	709,745	$ 3.8300	$ 2,718,323	708,311	$ 0.9600	$ 679,979	767,613	$ 2.3000	$ 1,765,510	$ 2,445,488
November	697,182	$ 3.8300	$ 2,670,207	671,000	$ 0.9600	$ 644,160	727,528	$ 2.3000	$ 1,673,314	$ 2,317,474
December	681,043	$ 3.8300	$ 2,608,395	674,327	$ 0.9600	$ 647,354	729,866	$ 2.3000	$ 1,678,692	$ 2,326,046
Total	9,348,682	$ 3.77	$ 35,270,655	9,197,968	$ 0.95	$ 8,741,343	9,930,507	$ 2.28	$ 22,600,735	$ 31,342,078

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	64,191	$ 3.1942	$ 205,038	64,351	$ 0.7710	$ 49,615	64,351	$ 1.7493	$ 112,569	$ 162,184
February	59,349	$ 3.1942	$ 189,572	59,519	$ 0.7710	$ 45,889	59,519	$ 1.7493	$ 104,117	$ 150,006
March	59,428	$ 3.1942	$ 189,824	59,955	$ 0.7710	$ 46,225	59,955	$ 1.7493	$ 104,880	$ 151,105
April	56,066	$ 3.1942	$ 179,086	58,442	$ 0.7710	$ 45,058	58,442	$ 1.7493	$ 102,232	$ 147,290
May	77,470	$ 3.1942	$ 247,455	77,853	$ 0.7710	$ 60,025	77,853	$ 1.7493	$ 136,188	$ 196,213
June	77,470	$ 3.1942	$ 247,455	77,853	$ 0.7710	$ 60,025	77,853	$ 1.7493	$ 136,188	$ 196,213
July	87,411	$ 3.2915	$ 287,714	88,529	$ 0.7877	$ 69,734	88,529	$ 1.9755	$ 174,889	$ 244,623
August	87,733	$ 3.2915	$ 288,774	88,427	$ 0.7877	$ 69,654	88,427	$ 1.9755	$ 174,687	$ 244,341
September	89,718	$ 3.2915	$ 295,307	90,337	$ 0.7877	$ 71,159	90,337	$ 1.9755	$ 178,461	$ 249,620
October	74,044	$ 3.2915	$ 243,717	75,989	$ 0.7877	$ 59,856	75,989	$ 1.9755	$ 150,116	$ 209,972
November	68,599	$ 3.2915	$ 225,793	68,688	$ 0.7877	$ 54,106	68,688	$ 1.9755	$ 135,694	$ 189,800
December	79,347	$ 3.2915	$ 261,169	80,260	$ 0.7877	$ 63,221	80,260	$ 1.9755	$ 158,554	$ 221,775
Total	880,826	$ 3.25	$ 2,860,904	890,203	$ 0.78	$ 694,567	890,203	$ 1.87	$ 1,668,575	$ 2,363,142

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	805,320	$ 3.6689	$ 2,954,627	796,835	$ 0.9264	$ 738,150	856,007	$ 2.2124	$ 1,893,795	$ 2,631,945
February	776,956	$ 3.6706	$ 2,851,894	752,765	$ 0.9266	$ 697,540	814,595	$ 2.2134	$ 1,803,038	$ 2,500,578
March	725,620	$ 3.6678	$ 2,661,396	715,494	$ 0.9258	$ 662,432	769,615	$ 2.2110	$ 1,701,615	$ 2,364,047
April	703,486	$ 3.6689	$ 2,581,014	717,089	$ 0.9262	$ 664,187	773,087	$ 2.2121	$ 1,710,183	$ 2,374,370
May	893,241	$ 3.6653	$ 3,273,965	895,779	$ 0.9253	$ 828,875	955,544	$ 2.2092	$ 2,110,993	$ 2,939,868
June	945,996	$ 3.6678	$ 3,469,686	955,309	$ 0.9262	$ 884,833	1,017,745	$ 2.2117	$ 2,250,945	$ 3,135,779
July	1,024,629	$ 3.7841	$ 3,877,259	997,697	$ 0.9447	$ 942,536	1,069,085	$ 2.2731	$ 2,430,168	$ 3,372,703
August	1,011,231	$ 3.7833	$ 3,825,772	978,179	$ 0.9444	$ 923,816	1,047,348	$ 2.2726	$ 2,380,205	$ 3,304,021
September	1,033,069	$ 3.7832	$ 3,908,341	1,000,449	$ 0.9444	$ 944,866	1,067,740	$ 2.2725	$ 2,426,488	$ 3,371,354
October	783,789	$ 3.7791	$ 2,962,040	784,300	$ 0.9433	$ 739,835	843,602	$ 2.2708	$ 1,915,626	$ 2,655,461
November	765,781	$ 3.7818	$ 2,896,000	739,688	$ 0.9440	$ 698,266	796,216	$ 2.2720	$ 1,809,008	$ 2,507,274
December	760,390	$ 3.7738	$ 2,869,564	754,587	$ 0.9417	$ 710,575	810,126	$ 2.2679	$ 1,837,246	$ 2,547,821
Total	10,229,508	$ 3.73	$ 38,131,558	10,088,171	$ 0.94	$ 9,435,910	10,820,710	$ 2.24	$ 24,269,310	$ 33,705,220

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 33,705,220

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The purpose of this sheet is to calculate the expected billing when forecasted 2019 Uniform Transmission Rates are applied against historical 2018 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	741,129	$ 3.8300	$ 2,838,524	732,484	$ 0.9600	$ 703,185	791,656	$ 2.3000	$ 1,820,809	$ 2,523,993
February	717,607	$ 3.8300	$ 2,748,435	693,246	$ 0.9600	$ 665,516	755,076	$ 2.3000	$ 1,736,675	$ 2,402,191
March	666,192	$ 3.8300	$ 2,551,515	655,539	$ 0.9600	$ 629,317	709,660	$ 2.3000	$ 1,632,218	$ 2,261,535
April	647,420	$ 3.8300	$ 2,479,619	658,647	$ 0.9600	$ 632,301	714,645	$ 2.3000	$ 1,643,684	$ 2,275,985
May	815,771	$ 3.8300	$ 3,124,403	817,926	$ 0.9600	$ 785,209	877,691	$ 2.3000	$ 2,018,689	$ 2,803,898
June	868,526	$ 3.8300	$ 3,326,455	877,456	$ 0.9600	$ 842,358	939,892	$ 2.3000	$ 2,161,752	$ 3,004,109
July	937,218	$ 3.8300	$ 3,589,545	909,168	$ 0.9600	$ 872,801	980,556	$ 2.3000	$ 2,255,279	$ 3,128,080
August	923,498	$ 3.8300	$ 3,536,997	889,752	$ 0.9600	$ 854,162	958,921	$ 2.3000	$ 2,205,518	$ 3,059,680
September	943,351	$ 3.8300	$ 3,613,034	910,112	$ 0.9600	$ 873,708	977,403	$ 2.3000	$ 2,248,027	$ 3,121,734
October	709,745	$ 3.8300	$ 2,718,323	708,311	$ 0.9600	$ 679,979	767,613	$ 2.3000	$ 1,765,510	$ 2,445,488
November	697,182	$ 3.8300	$ 2,670,207	671,000	$ 0.9600	$ 644,160	727,528	$ 2.3000	$ 1,673,314	$ 2,317,474
December	681,043	$ 3.8300	$ 2,608,395	674,327	$ 0.9600	$ 647,354	729,866	$ 2.3000	$ 1,678,692	$ 2,326,046
Total	9,348,682	$ 3.83	$ 35,805,452	9,197,968	$ 0.96	$ 8,830,049	9,930,507	$ 2.30	$ 22,840,166	$ 31,670,215

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	64,191	$ 3.2915	$ 211,284	64,351	$ 0.7877	$ 50,689	64,351	$ 1.9755	$ 127,126	$ 177,815
February	59,349	$ 3.2915	$ 195,347	59,519	$ 0.7877	$ 46,883	59,519	$ 1.9755	$ 117,580	$ 164,463
March	59,428	$ 3.2915	$ 195,606	59,955	$ 0.7877	$ 47,227	59,955	$ 1.9755	$ 118,441	$ 165,668
April	56,066	$ 3.2915	$ 184,541	58,442	$ 0.7877	$ 46,034	58,442	$ 1.9755	$ 115,451	$ 161,486
May	77,470	$ 3.2915	$ 254,993	77,853	$ 0.7877	$ 61,325	77,853	$ 1.9755	$ 153,799	$ 215,123
June	77,470	$ 3.2915	$ 254,993	77,853	$ 0.7877	$ 61,325	77,853	$ 1.9755	$ 153,799	$ 215,123
July	87,411	$ 3.2915	$ 287,714	88,529	$ 0.7877	$ 69,734	88,529	$ 1.9755	$ 174,889	$ 244,623
August	87,733	$ 3.2915	$ 288,774	88,427	$ 0.7877	$ 69,654	88,427	$ 1.9755	$ 174,687	$ 244,341
September	89,718	$ 3.2915	$ 295,307	90,337	$ 0.7877	$ 71,159	90,337	$ 1.9755	$ 178,461	$ 249,620
October	74,044	$ 3.2915	$ 243,717	75,989	$ 0.7877	$ 59,856	75,989	$ 1.9755	$ 150,116	$ 209,972
November	68,599	$ 3.2915	$ 225,793	68,688	$ 0.7877	$ 54,106	68,688	$ 1.9755	$ 135,694	$ 189,800
December	79,347	$ 3.2915	$ 261,169	80,260	$ 0.7877	$ 63,221	80,260	$ 1.9755	$ 158,554	$ 221,775
Total	880,826	$ 3.29	$ 2,899,237	890,203	$ 0.79	$ 701,213	890,203	$ 1.98	$ 1,758,597	$ 2,459,810

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	805,320	$ 3.79	$ 3,049,808	796,835	$ 0.95	$ 753,874	856,007	$ 2.28	$ 1,947,934	$ 2,701,808
February	776,956	$ 3.79	$ 2,943,782	752,765	$ 0.95	$ 712,399	814,595	$ 2.28	$ 1,854,255	$ 2,566,654
March	725,620	$ 3.79	$ 2,747,121	715,494	$ 0.95	$ 676,544	769,615	$ 2.27	$ 1,750,659	$ 2,427,204
April	703,486	$ 3.79	$ 2,664,160	717,089	$ 0.95	$ 678,336	773,087	$ 2.28	$ 1,759,135	$ 2,437,470
May	893,241	$ 3.78	$ 3,379,396	895,779	$ 0.95	$ 846,534	955,544	$ 2.27	$ 2,172,488	$ 3,019,022
June	945,996	$ 3.79	$ 3,581,447	955,309	$ 0.95	$ 903,683	1,017,745	$ 2.28	$ 2,315,550	$ 3,219,233
July	1,024,629	$ 3.78	$ 3,877,259	997,697	$ 0.94	$ 942,536	1,069,085	$ 2.27	$ 2,430,168	$ 3,372,703
August	1,011,231	$ 3.78	$ 3,825,772	978,179	$ 0.94	$ 923,816	1,047,348	$ 2.27	$ 2,380,205	$ 3,304,021
September	1,033,069	$ 3.78	$ 3,908,341	1,000,449	$ 0.94	$ 944,866	1,067,740	$ 2.27	$ 2,426,488	$ 3,371,354
October	783,789	$ 3.78	$ 2,962,040	784,300	$ 0.94	$ 739,835	843,602	$ 2.27	$ 1,915,626	$ 2,655,461
November	765,781	$ 3.78	$ 2,896,000	739,688	$ 0.94	$ 698,266	796,216	$ 2.27	$ 1,809,008	$ 2,507,274
December	760,390	$ 3.77	$ 2,869,564	754,587	$ 0.94	$ 710,575	810,126	$ 2.27	$ 1,837,246	$ 2,547,821
Total	10,229,508	$ 3.78	$ 38,704,689	10,088,171	$ 0.94	$ 9,531,262	10,820,710	$ 2.27	$ 24,598,763	$ 34,130,025

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 34,130,025

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

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

Rate Class	Rate Description	Unit	Current RTSR-Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0072	1,721,893,549	0	12,397,634	35.3%	13,448,387	0.0078
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0063	602,338,051	0	3,794,730	10.8%	4,116,350	0.0068
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.5204		4,746,295	11,962,562	34.0%	12,976,442	2.7340
Large Use Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.8791		360,260	1,037,225	3.0%	1,125,134	3.1231
Large Use With Dedicated Assets Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.8791		2,002,430	5,765,196	16.4%	6,253,822	3.1231
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0064	11,803,519	0	75,543	0.2%	81,945	0.0069
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.0943		1,321	2,767	0.0%	3,001	2.2718
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	1.9840		58,768	116,596	0.3%	126,478	2.1522

The purpose of this table is to re-align the current RTS Connection Rates to recover current wholesale connection costs.

Rate Class	Rate Description	Unit	Current RTSR-Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR-Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0066	1,721,893,549	0	11,364,497	34.5%	11,637,648	0.0068
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0059	602,338,051	0	3,553,795	10.8%	3,639,212	0.0060
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3873		4,746,295	11,330,830	34.4%	11,603,172	2.4447
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.7433		360,260	988,301	3.0%	1,012,056	2.8092
Large Use With Dedicated Assets Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.7433		2,002,430	5,493,266	16.7%	5,625,299	2.8092
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0060	11,803,519	0	70,821	0.2%	72,523	0.0061
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.9209		1,321	2,538	0.0%	2,599	1.9671
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.8729		58,768	110,067	0.3%	112,712	1.9179

The purpose of this table is to update the re-aligned RTS Network Rates to recover future wholesale network costs.

Rate Class	Rate Description	Unit	Adjusted RTSR-Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR-Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0078	1,721,893,549	0	13,448,387	35.3%	13,650,521	**0.0079**
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0068	602,338,051	0	4,116,350	10.8%	4,178,220	**0.0069**
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.7340		4,746,295	12,976,442	34.0%	13,171,482	**2.7751**
Large Use Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	3.1231		360,260	1,125,134	3.0%	1,142,045	**3.1701**
Large Use With Dedicated Assets Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	3.1231		2,002,430	6,253,822	16.4%	6,347,819	**3.1701**
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0069	11,803,519	0	81,945	0.2%	83,177	**0.0070**
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.2718		1,321	3,001	0.0%	3,046	**2.3059**
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.1522		58,768	126,478	0.3%	128,379	**2.1845**

The purpose of this table is to update the re-aligned RTS Connection Rates to recover future wholesale connection costs.

Rate Class	Rate Description	Unit	Adjusted RTSR-Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR-Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0068	1,721,893,549	0	11,637,648	34.5%	11,784,324	**0.0068**
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0060	602,338,051	0	3,639,212	10.8%	3,685,078	**0.0061**
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.4447		4,746,295	11,603,172	34.4%	11,749,413	**2.4755**
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.8092		360,260	1,012,056	3.0%	1,024,811	**2.8446**
Large Use With Dedicated Assets Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.8092		2,002,430	5,625,299	16.7%	5,696,198	**2.8446**
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0061	11,803,519	0	72,523	0.2%	73,437	**0.0062**
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.9671		1,321	2,599	0.0%	2,631	**1.9919**
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.9179		58,768	112,712	0.3%	114,133	**1.9421**

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

If applicable, please enter any adjustments related to the revenue to cost ratio model into columns C and E. The Price Escalator and Stretch Factor have been set at the 2018 values and will be updated by OEB staff at a later date.

Price Escalator	**1.20%**	**Productivity Factor**	**0.00%**
Choose Stretch Factor Group	III	**Price Cap Index**	**0.90%**
Associated Stretch Factor Value	**0.30%**		

Rate Class	Current MFC	MFC Adjustment from R/C Model	Current Volumetric Charge	DVR Adjustment from R/C Model	Price Cap Index to be Applied to MFC and DVR	Proposed MFC	Proposed Volumetric Charge
RESIDENTIAL SERVICE CLASSIFICATION	26.7				0.90%	26.94	0.0000
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	42.29		0.0109		0.90%	42.67	0.0110
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	389.4		2.615		0.90%	392.90	2.6385
LARGE USE SERVICE CLASSIFICATION	24279.37		1.4325		0.90%	24,497.88	1.4454
LARGE USE WITH DEDICATED ASSETS SERVICE CLASSIFICATION	5755.85		0.3396		0.90%	5,807.65	0.3427
STANDBY POWER SERVICE CLASSIFICATION	**				0.90%	**	**
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	8.63		0.0134		0.90%	8.71	0.0135
SENTINEL LIGHTING SERVICE CLASSIFICATION	5.63		15.4416		0.90%	5.68	15.5806
STREET LIGHTING SERVICE CLASSIFICATION	1.95		5.1752		0.90%	1.97	5.2218
microFIT SERVICE CLASSIFICATION	5.4					5.4	

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Update the following rates if an OEB Decision has been issued at the time of completing this application

Regulatory Charges

Effective Date of Regulatory Charges		January 1, 2019	January 1, 2020
Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$/kWh	0.25	0.25

Time-of-Use RPP Prices

As of		May 1, 2019
Off-Peak	$/kWh	0.0650
Mid-Peak	$/kWh	0.0940
On-Peak	$/kWh	0.1340

Smart Meter Entity Charge (SME)

Smart Meter Entity Charge (SME)	$	0.57

Distribution Rate Protection (DRP) Amount (Applicable to LDCs under the Distribution Rate Protection program):	$	36.86

Miscellaneous Service Charges

Wireline Pole Attachment Charge	Unit	Current charge	Inflation factor *	Proposed charge ** / ***
Specific charge for access to the power poles - per pole/year	$	43.63	1.20%	44.15

Retail Service Charges		Current charge	Inflation factor*	Proposed charge ***
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	$	100.00	1.20%	101.20
Monthly fixed charge, per retailer	$	40.00	1.20%	40.48
Monthly variable charge, per customer, per retailer	$/cust.	1.00	1.20%	1.01
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.60	1.20%	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	(0.60)	1.20%	(0.61)
Service Transaction Requests (STR)				-
Request fee, per request, applied to the requesting party	$	0.50	1.20%	0.51
Processing fee, per request, applied to the requesting party	$	1.00	1.20%	1.01
Electronic Business Transaction (EBT) system, applied to the requesting party				
up to twice a year		no charge		no charge
more than twice a year, per request (plus incremental delivery costs)	$	4.00	1.20%	4.05
Notice of switch letter charge, per letter	$	2.00	1.20%	2.02

* inflation factor subject to change pending OEB approved inflation rate effective in 2020

** applicable only to LDCs in which the province-wide pole attachment charge applies

*** subject to change pending OEB order on miscellaneous service charges

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

In the Green Cells below, enter all proposed rate riders/rates. Please note that the following rates/charges are to be entered in the Final Tariff Schedule tab: Monthly Service Charge, Distribution Volumetric Rate and Retail Transmission Rates.
In column A, select the rate rider descriptions from the drop-down list in the blue cells. If the rate description cannot be found, enter the rate rider descriptions in the green cells. The rate rider description must begin with "Rate Rider for".
In column B, choose the associated unit from the drop-down menu.
In column C, enter the rate. All rate riders with a "$" unit should be rounded to 2 decimal places and all others rounded to 4 decimal places.
In column E, enter the expiry date (e.g. April 30, 2020) or description of the expiry date in text (e.g. the effective date of the next cost of service-based rate order).
In column G, a sub-total (A or B) should already be assigned to the rate rider unless the rate description was entered into a green cell in column A. In these particular cases, from the dropdown list in column G, choose the appropriate sub-total (A or B) . Sub-Total A refers to rates/rate riders that Not considered as pass through costs (eg: LRAMVA and ICM/ACM rate riders). Sub-Total B refers to rates/rate riders that are considered pass through costs.

RESIDENTIAL SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.22	- effective until	next cost of service based rate order	A
Rate Rider for Disposition of Earnings Sharing	$	-0.22	- effective until	31/12/2020	A
Rate Rider for Recovery of Stranded Meter Assets	$	-0.02	- effective until	31/12/2020	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.35	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kWh	0.0001	- effective until	next cost of service based rate order	A
Rate Rider for Disposition of Earnings Sharing	$	-0.34	- effective until	31/12/2020	A
Rate Rider for Disposition of Earnings Sharing	$/kWh	-0.0001	- effective until	31/12/2020	A
Rate Rider for Recovery of Stranded Meter Assets	$	-0.02	- effective until	31/12/2020	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	3.22	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0217	- effective until	next cost of service based rate order	A
Rate Rider for Disposition of Earnings Sharing	$	-3.16	- effective until	31/12/2020	A
Rate Rider for Disposition of Earnings Sharing	$/kW	-0.0213	- effective until	31/12/2020	A
Rate Rider for Recovery of Stranded Meter Assets	$	-0.02	- effective until	31/12/2020	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

LARGE USE SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	201.03	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0119	- effective until	next cost of service based rate order	A
Rate Rider for Disposition of Earnings Sharing	$	-197.51	- effective until	31/12/2020	A
Rate Rider for Disposition of Earnings Sharing	$/kW	-0.0117	- effective until	31/12/2020	A
Rate Rider for Recovery of Stranded Meter Assets	$	-0.02	- effective until	31/12/2020	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

LARGE USE WITH DEDICATED ASSETS SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	47.66	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0028	- effective until	next cost of service based rate order	A
Rate Rider for Disposition of Earnings Sharing	$	-46.71	- effective until	31/12/2020	A
Rate Rider for Disposition of Earnings Sharing	$/kW	-0.0028	- effective until	31/12/2020	A
Rate Rider for Recovery of Stranded Meter Assets	$	-0.02	- effective until	31/12/2020	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

STANDBY POWER SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.07	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kWh	0.0001	- effective until	next cost of service based rate order	A
Rate Rider for Disposition of Earnings Sharing	$	-0.07	- effective until	31/12/2020	A
Rate Rider for Disposition of Earnings Sharing	$/kWh	-0.0001	- effective until	31/12/2020	A
Rate Rider for Recovery of Stranded Meter Assets	$	-0.02	- effective until	31/12/2020	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

SENTINEL LIGHTING SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.05	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.1279	- effective until	next cost of service based rate order	A
Rate Rider for Disposition of Earnings Sharing	$	-0.05	- effective until	31/12/2020	A
Rate Rider for Disposition of Earnings Sharing	$/kW	-0.1253	- effective until	31/12/2020	A
Rate Rider for Recovery of Stranded Meter Assets	$	-0.02	- effective until	31/12/2020	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

STREET LIGHTING SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.02	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0428	- effective until	next cost of service based rate order	A
Rate Rider for Disposition of Earnings Sharing	$	-0.02	- effective until	31/12/2020	A
Rate Rider for Disposition of Earnings Sharing	$/kW	-0.0443	- effective until	31/12/2020	A
Rate Rider for Recovery of Stranded Meter Assets	$	-0.02	- effective until	31/12/2020	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

microFIT SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2019-0018

RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separately metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	26.94
Rate Rider for Recovery of Stranded Meter Assets - effective until December 31, 2020	$	(0.02)
Rate Rider for Disposition of Earnings Sharing - effective until December 31, 2020	$	(0.22)
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.22
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Low Voltage Service Rate	$/kWh	0.00006
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	$/kWh	0.0079
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0068

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	42.67
Rate Rider for Recovery of Stranded Meter Assets - effective until December 31, 2020	$	(0.02)
Rate Rider for Disposition of Earnings Sharing - effective until December 31, 2020	$	(0.34)
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.35
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Distribution Volumetric Rate	$/kWh	0.0110
Low Voltage Service Rate	$/kWh	0.00006
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0007
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kWh	0.0001
Rate Rider for Disposition of Earnings Sharing - effective until December 31, 2020	$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	$/kWh	0.0069
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0061

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	392.90
Rate Rider for Recovery of Stranded Meter Assets - effective until December 31, 2020	$	(0.02)
Rate Rider for Disposition of Earnings Sharing - effective until December 31, 2020	$	(3.16)
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	3.22
Distribution Volumetric Rate	$/kW	2.6385
Low Voltage Service Rate	$/kW	0.02169
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0202
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0217

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Rate Rider for Disposition of Earnings Sharing - effective until December 31, 2020	$/kW	(0.0213)
Retail Transmission Rate - Network Service Rate	$/kW	2.7751
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.4755

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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LARGE USE 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. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	24,497.88
Rate Rider for Recovery of Stranded Meter Assets - effective until December 31, 2020	$	(0.02)
Rate Rider for Disposition of Earnings Sharing - effective until December 31, 2020	$	(197.51)
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	201.03
Distribution Volumetric Rate	$/kW	1.4454
Low Voltage Service Rate	$/kW	0.02492
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0327
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0119
Rate Rider for Disposition of Earnings Sharing - effective until December 31, 2020	$/kW	(0.0117)

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Retail Transmission Rate - Network Service Rate	$/kW	3.1701
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.8446

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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LARGE USE WITH DEDICATED ASSETS SERVICE CLASSIFICATION

This classification applies to an account where 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 and using dedicated assets. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	5,807.65
Rate Rider for Recovery of Stranded Meter Assets - effective until December 31, 2020	$	(0.02)
Rate Rider for Disposition of Earnings Sharing - effective until December 31, 2020	$	(46.71)
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	47.66
Distribution Volumetric Rate	$/kW	0.3427
Low Voltage Service Rate	$/kW	0.02492
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0093
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0028

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Rate Rider for Disposition of Earnings Sharing - effective until December 31, 2020	$/kW	(0.0028)
Retail Transmission Rate - Network Service Rate	$/kW	3.1701
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.8446

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide back-up 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component - APPROVED ON AN INTERIM BASIS

GS>50 Standby Charge - for a month where standby power is not provided. The charge is applied to the amount of reserved load transfer capacity contracted or the amount of monthly peak load displaced by a generating facility.	$/kW	2.6385
Large Use Standby Charge - for a month where standby power is not provided. The charge is applied to the amount of reserved load transfer capacity contracted or the amount of monthly peak load displaced by a generating facility.	$/kW	1.4454
Large Use with Dedicated Assets Standby Charge - for a month where standby power is not provided. The charge is applied to the amount of reserved load transfer capacity contracted or the amount of monthly peak load displaced by a generating facility.	$/kW	0.3427

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UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	8.71
Rate Rider for Recovery of Stranded Meter Assets - effective until December 31, 2020	$	(0.02)
Rate Rider for Disposition of Earnings Sharing - effective until December 31, 2020	$	(0.07)
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.07
Distribution Volumetric Rate	$/kWh	0.0135
Low Voltage Service Rate	$/kWh	0.00006
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0024
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kWh	0.0001
Rate Rider for Disposition of Earnings Sharing - effective until December 31, 2020	$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	$/kWh	0.0070
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0062

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification applies to safety/security lighting with a Residential, General Service or Large Use customer. This is typically exterior lighting, and often unmetered. Consumption is estimated based on the equipment rating and estimated hours of use. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per Connection)	$	5.68
Rate Rider for Recovery of Stranded Meter Assets - effective until December 31, 2020	$	(0.02)
Rate Rider for Disposition of Earnings Sharing - effective until December 31, 2020	$	(0.05)
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.05
Distribution Volumetric Rate	$/kW	15.5806
Low Voltage Service Rate	$/kW	0.01745
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.1279
Rate Rider for Disposition of Earnings Sharing - effective until December 31, 2020	$/kW	(0.1253)
Retail Transmission Rate - Network Service Rate	$/kW	2.3059
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.9919

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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STREET LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per Connection)	$	1.97
Rate Rider for Recovery of Stranded Meter Assets - effective until December 31, 2020	$	(0.02)
Rate Rider for Disposition of Earnings Sharing - effective until December 31, 2020	$	(0.02)
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.02
Distribution Volumetric Rate	$/kW	5.2218
Low Voltage Service Rate	$/kW	0.01702
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	1.8329
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0428
Rate Rider for Disposition of Earnings Sharing - effective until December 31, 2020	$/kW	(0.0443)
Retail Transmission Rate - Network Service Rate	$/kW	2.1845
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.9421

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	5.40

ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand	$/kW	(0.73)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	-1

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SPECIFIC SERVICE CHARGES

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

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

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

Customer Administration

Arrears certificate	$	15
Statement of account	$	15
Pulling of post dated cheques	$	15
Duplicate invoices for previous billing	$	15
Request for other billing information	$	15
Easement letter	$	15
Income tax letter	$	15
Notification charge	$	15
Account history	$	15
Returned cheque charge (plus bank charges)	$	15
Charge to certify cheque	$	15
Legal letter charge	$	15
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	$	30
Special meter reads	$	30
Meter dispute charge plus Measurement Canada fees (if meter found correct)	$	30
Credit card convenience charge	$	15
Credit check (plus credit agency costs)	$	15

Non-Payment of Account

Late Payment – per month	%	1.5
Late Payment – per annum	%	19.56
Collection of account charge – no disconnection	$	30
Collection of account charge – no disconnection - after regular hours	$	165
Disconnect/reconnect at meter – during regular hours	$	65
Disconnect/reconnect at meter – after regular hours	$	185
Disconnect/reconnect at pole – during regular hours	$	185
Disconnect/reconnect at pole – after regular hours	$	415
Install/remove load control device – during regular hours	$	65
Install/remove load control device – after regular hours	$	185

Other

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2019-0018

Service call - customer owned equipment	$	30
Service call - after regular hours	$	165
Temporary service - install and remove - overhead - no transformer	$	500
Temporary service - install and remove - underground - no transformer	$	300
Temporary service - install and remove - overhead - with transformer	$	1000
Specific Charge for Access to the Power Poles - $/pole/year (with the exception of wireless attachments) - in effect from January 1, 2019	$	44.15
Administrative Billing Charge	$	150

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2019-0018

RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	$	101.2
Monthly Fixed Charge, per retailer	$	40.48
Monthly Variable Charge, per customer, per retailer	$/cust.	1.01
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	-0.61
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.51
Processing fee, per request, applied to the requesting party	$	1.01
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)	$	4.05
Notice of switch letter charge, per letter	$	2.02

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	1.0379
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.016
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0276
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.006

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The bill comparisons below must be provided for typical customers and consumption levels. Bill impacts must be provided for residential customers consuming 750 kWh per month and general service customers consuming 2,000 kWh per month and having a monthly demand of less than 50 kW. Include bill comparisons for Non-RPP (retailer) as well. **To assess the combined effects of the shift to fixed rates and other bill impacts associated with changes in the cost of distribution service, applicants are to include a total bill impact for a residential customer at the distributor's 10th consumption percentile (In other words, 10% of a distributor's residential customers consume at or less than this level of consumption on a monthly basis). Refer to section 3.2.3 of the Chapter 3 Filing Requirements For Electricity Distribution Rate Applications.**

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

Note:
1. For those classes that are not eligible for the RPP price, the weighted average price including Class B GA through end of May 2018 of $0.1117/kWh (IESO's Monthly Market Report for May 2018, page 22) has been used to represent the cost of power. For those classes on a retailer contract, applicants should enter the contract price (plus GA) for a more accurate estimate. Changes to the cost of power can be made directly on the bill impact table for the specific class.
2. Please enter the applicable billing determinant (e.g. number of connections or devices) to be applied to the monthly service charge for unmetered rate classes in column N. If the monthly service charge is applied on a per customer basis, enter the number "1". Distributors should provide the number of connections or devices reflective of a typical customer in each class.

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

Table 1

RATE CLASSES / CATEGORIES *(eg: Residential TOU, Residential Retailer)*	**Units**	**RPP? Non-RPP Retailer? Non-RPP Other?**	**Current Loss Factor** (eg: 1.0351)	**Proposed Loss Factor**	**Consumption (kWh)**	**Demand kW (if applicable)**	**RTSR Demand or Demand-Interval?**	**Billing Determinant Applied to Fixed Charge for Unmetered Classes (e.g. # of devices/connections).**
RESIDENTIAL SERVICE CLASSIFICATION	**kWh**	RPP	1.0379	1.0379	750		CONSUMPTION	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	**kWh**	RPP	1.0379	1.0379	2,000		CONSUMPTION	
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.0379	1.0379	110,000	250	DEMAND	
LARGE USE SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.016	1.016	2,555,000	5,000	DEMAND	
LARGE USE WITH DEDICATED ASSETS SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.016	1.016	10,220,000	20,000	DEMAND	
STANDBY POWER SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.0379	1.0379			CONSUMPTION	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	**kWh**	RPP	1.0379	1.0379	250		CONSUMPTION	1
SENTINEL LIGHTING SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.0379	1.0379	97,008	216	DEMAND	721
STREET LIGHTING SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.0379	1.0379	1,782,038	4,974	DEMAND	36,000
Add additional scenarios if required			1.0379	1.0379				
Add additional scenarios if required			1.0379	1.0379				
Add additional scenarios if required			1.0379	1.0379				
Add additional scenarios if required			1.0379	1.0379				
Add additional scenarios if required			1.0379	1.0379				
Add additional scenarios if required			1.0379	1.0379				
Add additional scenarios if required			1.0379	1.0379				
Add additional scenarios if required			1.0379	1.0379				
Add additional scenarios if required			1.0379	1.0379				
Add additional scenarios if required			1.0379	1.0379				
Add additional scenarios if required			1.0379	1.0379				

Table 2

RATE CLASSES / CATEGORIES *(eg: Residential TOU, Residential Retailer)*	Units	Sub-Total						Total	
		A		B		C		Total Bill	
		$	%	$	%	$	%	$	%
RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	$ 0.18	0.7%	$ 2.24	8.0%	$ 2.94	7.6%	$ 3.09	2.8%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION - RPP	kWh	$ 0.05	0.1%	$ 5.15	7.6%	$ 6.81	7.3%	$ 7.15	2.6%
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 2.73	0.3%	$ 594.49	126.8%	$ 680.21	40.1%	$ 768.64	4.6%
LARGE USE SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ (709.22)	-2.2%	$ 6,652.33	26.2%	$ 8,613.83	16.1%	$ 9,733.63	2.4%
LARGE USE WITH DEDICATED ASSETS SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 115.44	0.9%	$ 19,733.44	-309.0%	$ 27,579.44	26.0%	$ 31,164.77	2.1%
STANDBY POWER SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - RPP	kWh	$ 0.73	6.1%	$ 1.37	11.3%	$ 1.58	10.3%	$ 1.78	4.2%
SENTINEL LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 86.07	1.2%	$ 637.86	9.3%	$ 698.90	9.1%	$ 789.76	3.6%
STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ (1,501.22)	-1.4%	$ 8,706.07	8.9%	$ 10,047.45	8.6%	$ 11,353.62	3.0%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0379	
Proposed/Approved Loss Factor	1.0379	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 26.70	1	$ 26.70	$ 26.94	1	$ 26.94	$ 0.24	0.90%
Distribution Volumetric Rate	$ -	750	$ -	$ -	750	$ -	$ -	
Fixed Rate Riders	$ (0.11)	1	$ (0.11)	$ (0.02)	1	$ (0.02)	$ 0.09	-81.82%
Volumetric Rate Riders	$ 0.0006	750	$ 0.45	$ 0.0004	750	$ 0.30	$ (0.15)	-33.33%
Sub-Total A (excluding pass through)			**$ 27.04**			**$ 27.22**	**$ 0.18**	**0.67%**
Line Losses on Cost of Power	$ 0.0824	28	$ 2.34	$ 0.0824	28	$ 2.34	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0027	750	$ (2.03)	$ -	750	$ -	$ 2.03	-100.00%
CBR Class B Rate Riders	-$ 0.00005	750	$ (0.04)	$ -	750	$ -	$ 0.04	-100.00%
GA Rate Riders	$ -	750	$ -	$ -	750	$ -	$ -	
Low Voltage Service Charge	$ 0.00006	750	$ 0.05	$ 0.00006	750	$ 0.05	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		750	$ -	$ -	750	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 27.93**			**$ 30.18**	**$ 2.24**	**8.03%**
RTSR - Network	$ 0.0072	778	$ 5.60	$ 0.0079	778	$ 6.15	$ 0.54	9.72%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0066	778	$ 5.14	$ 0.0068	778	$ 5.29	$ 0.16	3.03%
Sub-Total C - Delivery (including Sub-Total B)			**$ 38.68**			**$ 41.62**	**$ 2.94**	**7.61%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	778	$ 2.65	$ 0.0034	778	$ 2.65	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	778	$ 0.39	$ 0.0005	778	$ 0.39	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
TOU - Off Peak	$ 0.0650	488	$ 31.69	$ 0.0650	488	$ 31.69	$ -	0.00%
TOU - Mid Peak	$ 0.0940	128	$ 11.99	$ 0.0940	128	$ 11.99	$ -	0.00%
TOU - On Peak	$ 0.1340	135	$ 18.09	$ 0.1340	135	$ 18.09	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 103.72**			**$ 106.67**	**$ 2.94**	**2.84%**
HST	13%		$ 13.48	13%		$ 13.87	$ 0.38	2.84%
8% Rebate	8%		$ (8.30)	8%		$ (8.53)	$ (0.24)	
Total Bill on TOU			**$ 108.91**			**$ 112.00**	**$ 3.09**	**2.84%**

In the manager's summary, discuss the reasor

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	2,000	kWh
Demand	-	kW
Current Loss Factor	1.0379	
Proposed/Approved Loss Factor	1.0379	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 42.29	1	$ 42.29	$ 42.67	1	$ 42.67	$ 0.38	0.90%
Distribution Volumetric Rate	$ 0.0109	2000	$ 21.80	$ 0.0110	2000	$ 22.00	$ 0.20	0.92%
Fixed Rate Riders	$ (0.08)	1	$ (0.08)	$ (0.01)	1	$ (0.01)	$ 0.07	-87.50%
Volumetric Rate Riders	$ 0.0010	2000	$ 2.00	$ 0.0007	2000	$ 1.40	$ (0.60)	-30.00%
Sub-Total A (excluding pass through)			**$ 66.01**			**$ 66.06**	**$ 0.05**	**0.08%**
Line Losses on Cost of Power	$ 0.0824	76	$ 6.24	$ 0.0824	76	$ 6.24	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0025	2,000	$ (5.00)	$ -	2,000	$ -	$ 5.00	-100.00%
CBR Class B Rate Riders	-$ 0.00005	2,000	$ (0.10)	$ -	2,000	$ -	$ 0.10	-100.00%
GA Rate Riders	$ -	2,000	$ -	$ -	2,000	$ -	$ -	
Low Voltage Service Charge	$ 0.00006	2,000	$ 0.12	$ 0.00006	2,000	$ 0.12	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		2,000	$ -	$ -	2,000	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 67.84**			**$ 72.99**	**$ 5.15**	**7.59%**
RTSR - Network	$ 0.0063	2,076	$ 13.08	$ 0.0069	2,076	$ 14.32	$ 1.25	9.52%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0059	2,076	$ 12.25	$ 0.0061	2,076	$ 12.66	$ 0.42	3.39%
Sub-Total C - Delivery (including Sub-Total B)			**$ 93.17**			**$ 99.98**	**$ 6.81**	**7.31%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	2,076	$ 7.06	$ 0.0034	2,076	$ 7.06	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	2,076	$ 1.04	$ 0.0005	2,076	$ 1.04	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
TOU - Off Peak	$ 0.0650	1,300	$ 84.50	$ 0.0650	1,300	$ 84.50	$ -	0.00%
TOU - Mid Peak	$ 0.0940	340	$ 31.96	$ 0.0940	340	$ 31.96	$ -	0.00%
TOU - On Peak	$ 0.1340	360	$ 48.24	$ 0.1340	360	$ 48.24	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 266.21**			**$ 273.02**	**$ 6.81**	**2.56%**
HST	13%		$ 34.61	13%		$ 35.49	$ 0.89	2.56%
8% Rebate	8%		$ (21.30)	8%		$ (21.84)	$ (0.54)	
Total Bill on TOU			**$ 279.52**			**$ 286.67**	**$ 7.15**	**2.56%**

In the manager's summary, discuss the reasor

Customer Class:	**GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**110,000**	**kWh**
Demand	**250**	**kW**
Current Loss Factor	**1.0379**	
Proposed/Approved Loss Factor	**1.0379**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 389.40	1	$ 389.40	$ 392.90	1	$ 392.90	$ 3.50	0.90%
Distribution Volumetric Rate	$ 2.6150	250	$ 653.75	$ 2.6385	250	$ 659.63	$ 5.88	0.90%
Fixed Rate Riders	$ (0.37)	1	$ (0.37)	$ 0.04	1	$ 0.04	$ 0.41	-110.81%
Volumetric Rate Riders	$ 0.0488	250	$ 12.20	$ 0.0206	250	$ 5.15	$ (7.05)	-57.79%
Sub-Total A (excluding pass through)			**$ 1,054.98**			**$ 1,057.72**	**$ 2.73**	**0.26%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	-$ 0.9417	250	$ (235.43)	$ -	250	$ -	$ 235.43	-100.00%
CBR Class B Rate Riders	-$ 0.01730	250	$ (4.33)	$ -	250	$ -	$ 4.33	-100.00%
GA Rate Riders	-$ 0.0032	110,000	$ (352.00)	$ -	110,000	$ -	$ 352.00	-100.00%
Low Voltage Service Charge	$ 0.02169	250	$ 5.42	$ 0.02169	250	$ 5.42	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		250	$ -	$ -	250	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 468.65**			**$ 1,063.14**	**$ 594.49**	**126.85%**
RTSR - Network	$ 2.5204	250	$ 630.10	$ 2.7751	250	$ 693.78	$ 63.68	10.11%
RTSR - Connection and/or Line and Transformation Connection	$ 2.3873	250	$ 596.83	$ 2.4755	250	$ 618.88	$ 22.05	3.69%
Sub-Total C - Delivery (including Sub-Total B)			**$ 1,695.58**			**$ 2,375.79**	**$ 680.21**	**40.12%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	114,169	$ 388.17	$ 0.0034	114,169	$ 388.17	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	114,169	$ 57.08	$ 0.0005	114,169	$ 57.08	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	114,169	$ 12,798.34	$ 0.1121	114,169	$ 12,798.34	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 14,939.43**			**$ 15,619.64**	**$ 680.21**	**4.55%**
HST	13%		$ 1,942.13	13%		$ 2,030.55	$ 88.43	4.55%
Total Bill on Average IESO Wholesale Market Price			**$ 16,881.56**			**$ 17,650.19**	**$ 768.64**	**4.55%**

In the manager's summary, discuss the reasor

Customer Class:	**LARGE USE SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**2,555,000**	**kWh**
Demand	**5,000**	**kW**
Current Loss Factor	**1.0160**	
Proposed/Approved Loss Factor	**1.0160**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	**$ 24,279.37**	1	$ 24,279.37	**$ 24,497.88**	**1**	**$ 24,497.88**	$ 218.51	0.90%
Distribution Volumetric Rate	**$ 1.4325**	5000	$ 7,162.50	**$ 1.4454**	**5000**	**$ 7,227.00**	$ 64.50	0.90%
Fixed Rate Riders	**$ (69.27)**	1	$ (69.27)	**$ 3.50**	**1**	**$ 3.50**	$ 72.77	-105.05%
Volumetric Rate Riders	**$ 0.2459**	5000	$ 1,229.50	**$ 0.0329**	**5000**	**$ 164.50**	$ (1,065.00)	-86.62%
Sub-Total A (excluding pass through)			**$ 32,602.10**			**$ 31,892.88**	**$ (709.22)**	**-2.18%**
Line Losses on Cost of Power	**$ -**	-	$ -	**$ -**	**-**	**$ -**	$ -	
Total Deferral/Variance Account Rate Riders	**-$ 1.4462**	5,000	$ (7,231.00)	**$ -**	**5,000**	**$ -**	$ 7,231.00	-100.00%
CBR Class B Rate Riders	**-$ 0.02611**	5,000	$ (130.55)	**$ -**	**5,000**	**$ -**	$ 130.55	-100.00%
GA Rate Riders	**$ -**	2,555,000	$ -	**$ -**	**2,555,000**	**$ -**	$ -	
Low Voltage Service Charge	**$ 0.02492**	5,000	$ 124.60	**$ 0.02492**	**5,000**	**$ 124.60**	$ -	0.00%
Smart Meter Entity Charge (if applicable)	**$ -**	1	$ -	**$ -**	**1**	**$ -**	$ -	
Additional Fixed Rate Riders	**$ -**	1	$ -	**$ -**	**1**	**$ -**	$ -	
Additional Volumetric Rate Riders		5,000	$ -	**$ -**	**5,000**	**$ -**	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 25,365.15**			**$ 32,017.48**	**$ 6,652.33**	**26.23%**
RTSR - Network	**$ 2.8791**	5,000	$ 14,395.50	**$ 3.1701**	**5,000**	**$ 15,850.50**	$ 1,455.00	10.11% *In the manager's summary, discuss the reasor*
RTSR - Connection and/or Line and Transformation Connection	**$ 2.7433**	5,000	$ 13,716.50	**$ 2.8446**	**5,000**	**$ 14,223.00**	$ 506.50	3.69%
Sub-Total C - Delivery (including Sub-Total B)			**$ 53,477.15**			**$ 62,090.98**	**$ 8,613.83**	**16.11%**
Wholesale Market Service Charge (WMSC)	**$ 0.0034**	2,595,880	$ 8,825.99	**$ 0.0034**	**2,595,880**	**$ 8,825.99**	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	**$ 0.0005**	2,595,880	$ 1,297.94	**$ 0.0005**	**2,595,880**	**$ 1,297.94**	$ -	0.00%
Standard Supply Service Charge	**$ 0.25**	1	$ 0.25	**$ 0.25**	**1**	**$ 0.25**	$ -	0.00%
Average IESO Wholesale Market Price	**$ 0.1121**	2,595,880	$ 290,998.15	**$ 0.1121**	**2,595,880**	**$ 290,998.15**	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 354,599.48**			**$ 363,213.31**	**$ 8,613.83**	**2.43%**
HST	13%		$ 46,097.93	13%		$ 47,217.73	$ 1,119.80	2.43%
Total Bill on Average IESO Wholesale Market Price			**$ 400,697.41**			**$ 410,431.04**	**$ 9,733.63**	**2.43%**

Customer Class:	**LARGE USE WITH DEDICATED ASSETS SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**10,220,000**	**kWh**
Demand	**20,000**	**kW**
Current Loss Factor	**1.0160**	
Proposed/Approved Loss Factor	**1.0160**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 5,755.85	1	$ 5,755.85	$ 5,807.65	1	$ 5,807.65	$ 51.80	0.90%
Distribution Volumetric Rate	$ 0.3396	20000	$ 6,792.00	$ 0.3427	20000	$ 6,854.00	$ 62.00	0.91%
Fixed Rate Riders	$ (2.71)	1	$ (2.71)	$ 0.93	1	$ 0.93	$ 3.64	-134.32%
Volumetric Rate Riders	$ 0.0094	20000	$ 188.00	$ 0.0093	20000	$ 186.00	$ (2.00)	-1.06%
Sub-Total A (excluding pass through)			**$ 12,733.14**			**$ 12,848.58**	**$ 115.44**	**0.91%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	-$ 0.9809	20,000	$ (19,618.00)	$ -	20,000	$ -	$ 19,618.00	-100.00%
CBR Class B Rate Riders	$ -	20,000	$ -	$ -	20,000	$ -	$ -	
GA Rate Riders	$ -	########	$ -	$ -	10,220,000	$ -	$ -	
Low Voltage Service Charge	$ 0.02492	20,000	$ 498.40	$ 0.02492	20,000	$ 498.40	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		20,000	$ -	$ -	20,000	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ (6,386.46)**			**$ 13,346.98**	**$ 19,733.44**	**-308.99%**
RTSR - Network	$ 2.8791	20,000	$ 57,582.00	$ 3.1701	20,000	$ 63,402.00	$ 5,820.00	10.11% *In the manager's summary, discuss the reasor*
RTSR - Connection and/or Line and Transformation Connection	$ 2.7433	20,000	$ 54,866.00	$ 2.8446	20,000	$ 56,892.00	$ 2,026.00	3.69%
Sub-Total C - Delivery (including Sub-Total B)			**$ 106,061.54**			**$ 133,640.98**	**$ 27,579.44**	**26.00%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	########	$ 35,303.97	$ 0.0034	10,383,520	$ 35,303.97	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	########	$ 5,191.76	$ 0.0005	10,383,520	$ 5,191.76	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	########	$ 1,163,992.59	$ 0.1121	10,383,520	$ 1,163,992.59	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 1,310,550.11**			**$ 1,338,129.55**	**$ 27,579.44**	**2.10%**
HST	13%		$ 170,371.51	13%		$ 173,956.84	$ 3,585.33	2.10%
Total Bill on Average IESO Wholesale Market Price			**$ 1,480,921.62**			**$ 1,512,086.39**	**$ 31,164.77**	**2.10%**

Customer Class:	**STANDBY POWER SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	-	**kWh**
Demand	-	**kW**
Current Loss Factor	**1.0379**	
Proposed/Approved Loss Factor	**1.0379**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ -	1	$ -	$ -	1	$ -	$ -	
Distribution Volumetric Rate	$ 2.6150	0	$ -	$ 2.6385	0	$ -	$ -	
Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Volumetric Rate Riders	$ -	0	$ -	$ -	0	$ -	$ -	
Sub-Total A (excluding pass through)			**$ -**			**$ -**	**$ -**	
Line Losses on Cost of Power	$ 0.1121	-	$ -	$ 0.1121	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
CBR Class B Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
GA Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
Low Voltage Service Charge	$ -	-	$ -		-	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		-	$ -	$ -	-	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ -**			**$ -**	**$ -**	
RTSR - Network	$ -	-	$ -	$ -	-	$ -	$ -	
RTSR - Connection and/or Line and Transformation Connection	$ -	-	$ -	$ -	-	$ -	$ -	
Sub-Total C - Delivery (including Sub-Total B)			**$ -**			**$ -**	**$ -**	
Wholesale Market Service Charge (WMSC)	$ 0.0034	-	$ -	$ 0.0034	-	$ -	$ -	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	-	$ -	$ 0.0005	-	$ -	$ -	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	-	$ -	$ 0.1121	-	$ -	$ -	
Total Bill on Average IESO Wholesale Market Price			**$ 0.25**			**$ 0.25**	**$ -**	**0.00%**
HST	13%		$ 0.03	13%		$ 0.03	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 0.28**			**$ 0.28**	**$ -**	**0.00%**

Customer Class:	**UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**RPP**	
Consumption	**250**	**kWh**
Demand	**-**	**kW**
Current Loss Factor	**1.0379**	
Proposed/Approved Loss Factor	**1.0379**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 8.63	1	$ 8.63	$ 8.71	1	$ 8.71	$ 0.08	0.93%
Distribution Volumetric Rate	$ 0.0134	250	$ 3.35	$ 0.0135	250	$ 3.38	$ 0.02	0.75%
Fixed Rate Riders	$ (0.02)	1	$ (0.02)	$ (0.02)	1	$ (0.02)	$ -	0.00%
Volumetric Rate Riders	-$ 0.0001	250	$ (0.03)	$ 0.0024	250	$ 0.60	$ 0.63	-2500.00%
Sub-Total A (excluding pass through)			**$ 11.94**			**$ 12.67**	**$ 0.73**	**6.12%**
Line Losses on Cost of Power	$ 0.0824	9	$ 0.78	$ 0.0824	9	$ 0.78	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0025	250	$ (0.63)	$ -	250	$ -	$ 0.63	-100.00%
CBR Class B Rate Riders	-$ 0.00005	250	$ (0.01)	$ -	250	$ -	$ 0.01	-100.00%
GA Rate Riders	$ -	250	$ -	$ -	250	$ -	$ -	
Low Voltage Service Charge	$ 0.00006	250	$ 0.02	$ 0.00006	250	$ 0.02	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		250	$ -	$ -	250	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 12.09**			**$ 13.46**	**$ 1.37**	**11.31%**
RTSR - Network	$ 0.0064	259	$ 1.66	$ 0.0070	259	$ 1.82	$ 0.16	9.38% *In the manager's summary, discuss the reasor*
RTSR - Connection and/or Line and Transformation Connection	$ 0.0060	259	$ 1.56	$ 0.0062	259	$ 1.61	$ 0.05	3.33%
Sub-Total C - Delivery (including Sub-Total B)			**$ 15.31**			**$ 16.89**	**$ 1.58**	**10.29%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	259	$ 0.88	$ 0.0034	259	$ 0.88	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	259	$ 0.13	$ 0.0005	259	$ 0.13	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
TOU - Off Peak	$ 0.0650	163	$ 10.56	$ 0.0650	163	$ 10.56	$ -	0.00%
TOU - Mid Peak	$ 0.0940	43	$ 4.00	$ 0.0940	43	$ 4.00	$ -	0.00%
TOU - On Peak	$ 0.1340	45	$ 6.03	$ 0.1340	45	$ 6.03	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 37.16**			**$ 38.73**	**$ 1.58**	**4.24%**
HST	13%		$ 4.83	13%		$ 5.04	$ 0.20	4.24%
Total Bill on TOU			**$ 41.99**			**$ 43.77**	**$ 1.78**	**4.24%**

Customer Class:	**SENTINEL LIGHTING SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**97,008**	**kWh**
Demand	**216**	**kW**
Current Loss Factor	**1.0379**	
Proposed/Approved Loss Factor	**1.0379**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 5.63	721	$ 4,059.23	$ 5.68	721	$ 4,095.28	$ 36.05	0.89%
Distribution Volumetric Rate	$ 15.4416	216	$ 3,335.39	$ 15.5806	216	$ 3,365.41	$ 30.02	0.90%
Fixed Rate Riders	$ (0.01)	1	$ (0.01)	$ (0.02)	1	$ (0.02)	$ (0.01)	100.00%
Volumetric Rate Riders	-$ 0.0900	216	$ (19.44)	$ 0.0026	216	$ 0.56	$ 20.00	-102.89%
Sub-Total A (excluding pass through)			**$ 7,375.17**			**$ 7,461.23**	**$ 86.07**	**1.17%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	-$ 1.1450	216	$ (247.32)	$ -	216	$ -	$ 247.32	-100.00%
CBR Class B Rate Riders	-$ 0.01737	216	$ (3.75)	$ -	216	$ -	$ 3.75	-100.00%
GA Rate Riders	-$ 0.0031	97,008	$ (300.72)	$ -	97,008	$ -	$ 300.72	-100.00%
Low Voltage Service Charge	$ 0.01745	216	$ 3.77	$ 0.01745	216	$ 3.77	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		216	$ -	$ -	216	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 6,827.14**			**$ 7,465.00**	**$ 637.86**	**9.34%**
RTSR - Network	$ 2.0943	216	$ 452.37	$ 2.3059	216	$ 498.07	$ 45.71	10.10%
RTSR - Connection and/or Line and Transformation Connection	$ 1.9209	216	$ 414.91	$ 1.9919	216	$ 430.25	$ 15.34	3.70%
Sub-Total C - Delivery (including Sub-Total B)			**$ 7,694.42**			**$ 8,393.33**	**$ 698.90**	**9.08%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	100,685	$ 342.33	$ 0.0034	100,685	$ 342.33	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	100,685	$ 50.34	$ 0.0005	100,685	$ 50.34	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	100,685	$ 11,286.74	$ 0.1121	100,685	$ 11,286.74	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 19,374.09**			**$ 20,072.99**	**$ 698.90**	**3.61%**
HST	13%		$ 2,518.63	13%		$ 2,609.49	$ 90.86	3.61%
Total Bill on Average IESO Wholesale Market Price			**$ 21,892.72**			**$ 22,682.48**	**$ 789.76**	**3.61%**

In the manager's summary, discuss the reasor

Customer Class:	**STREET LIGHTING SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**1,782,038**	**kWh**
Demand	**4,974**	**kW**
Current Loss Factor	**1.0379**	
Proposed/Approved Loss Factor	**1.0379**	

	Current OEB-Approved			Proposed			Impact		
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change	
Monthly Service Charge	$ 1.95	36000	$ 70,200.00	$ 1.97	36000	$ 70,920.00	$ 720.00	1.03%	
Distribution Volumetric Rate	$ 5.1752	4973.63	$ 25,739.53	$ 5.2218	4973.63	$ 25,971.30	$ 231.77	0.90%	
Fixed Rate Riders	$ (0.02)	1	$ (0.02)	$ (0.02)	1	$ (0.02)	$ -	0.00%	
Volumetric Rate Riders	$ 2.3246	4973.63	$ 11,561.70	$ 1.8314	4973.63	$ 9,108.71	$ (2,452.99)	-21.22%	
Sub-Total A (excluding pass through)			**$ 107,501.21**			**$ 105,999.99**	**$ (1,501.22)**	**-1.40%**	
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -		
Total Deferral/Variance Account Rate Riders	-$ 0.9243	4,974	$ (4,597.13)	$ -	4,974	$ -	$ 4,597.13	-100.00%	
CBR Class B Rate Riders	-$ 0.01726	4,974	$ (85.84)	$ -	4,974	$ -	$ 85.84	-100.00%	
GA Rate Riders	-$ 0.0031	1,782,038	$ (5,524.32)	$ -	1,782,038	$ -	$ 5,524.32	-100.00%	
Low Voltage Service Charge	$ 0.01702	4,974	$ 84.65	$ 0.01702	4,974	$ 84.65	$ -	0.00%	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Volumetric Rate Riders		4,974	$ -	$ -	4,974	$ -	$ -		
Sub-Total B - Distribution (includes Sub-Total A)			**$ 97,378.57**			**$ 106,084.64**	**$ 8,706.07**	**8.94%**	
RTSR - Network	$ 1.9840	4,974	$ 9,867.68	$ 2.1845	4,974	$ 10,864.89	$ 997.21	10.11%	*In the manager's summary, discuss the reasor*
RTSR - Connection and/or Line and Transformation Connection	$ 1.8729	4,974	$ 9,315.11	$ 1.9421	4,974	$ 9,659.29	$ 344.18	3.69%	
Sub-Total C - Delivery (including Sub-Total B)			**$ 116,561.37**			**$ 126,608.82**	**$ 10,047.45**	**8.62%**	
Wholesale Market Service Charge (WMSC)	$ 0.0034	1,849,577	$ 6,288.56	$ 0.0034	1,849,577	$ 6,288.56	$ -	0.00%	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	1,849,577	$ 924.79	$ 0.0005	1,849,577	$ 924.79	$ -	0.00%	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%	
Average IESO Wholesale Market Price	$ 0.1121	1,849,577	$ 207,337.61	$ 0.1121	1,849,577	$ 207,337.61	$ -	0.00%	
Total Bill on Average IESO Wholesale Market Price			**$ 331,112.58**			**$ 341,160.03**	**$ 10,047.45**	**3.03%**	
HST	13%		$ 43,044.63	13%		$ 44,350.80	$ 1,306.17	3.03%	
Total Bill on Average IESO Wholesale Market Price			**$ 374,157.21**			**$ 385,510.83**	**$ 11,353.62**	**3.03%**	

G-STAFF-1
ATTACHMENT 5 – RGM PRZ

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Version 2.0

Utility Name	Alectra Utilities Corporation
Service Territory	PowerStream Rate Zone
Assigned EB Number	EB-2019-0018
Name of Contact and Title	Indy J. Butany-DeSouza, Vice-President, Regulatory Affairs
Phone Number	905-821-5727
Email Address	indy.butany@alectrautilities.com
We are applying for rates effective	Wednesday, January 01, 2020
Rate-Setting Method	**Price Cap IR**
1. Select the last Cost of Service rebasing year	**2017**
2. Select the year that the balances of Accounts 1588 and 1589 were last approved for disposition *(e.g. If 2017 balances were approved for disposition in the 2019 rate application, select 2017)*	**2017**
3. Select the year that the balances of the remaining Group 1 DVAs were last approved for disposition	**2017**
4. Select the earliest vintage year in which there is a balance in Account 1595 *(e.g. If 2016 is the earliest vintage year in which there is a balance in a 1595 sub-account, select 2016)*	**2013**
5. Did you have any Class A customers at any point during the period that the Account 1589 balance accumulated (i.e. from the year the balance was last disposed to the year requested for disposition)?	**Yes**
6. Did you have any customers classified as Class A at any point during the period where the balance in Account 1580, Sub-account CBR Class B accumulated (i.e. from the year the balance was last disposed to the year requested for disposition)?	**Yes**
7. Retail Transmission Service Rates: Alectra Utilities Corporation is:	**Transmission Connected**
8. Have you transitioned to fully fixed rates?	**No**

Legend

- Pale green cells represent input cells.
- Pale blue cells represent drop-down lists. The applicant should select the appropriate item from the drop-down list.
- Red cells represents flags to identify either non-matching values or incorrect user selections.
- Pale grey cell represent auto-populated RRR data.
- White cells contain fixed values, automatically generated values or formulae.

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

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

Alectra Utilities Corporation
PowerStream Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date February 1, 2019
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2018-0016

RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separately metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. Multi-unit residential establishments such as apartment buildings supplied through one service (bulk metered) shall be classified as general service. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	24.91
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.02
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.18
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.11
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Distribution Volumetric Rate	$/kWh	0.0045
Low Voltage Service Rate	$/kWh	0.0005
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on an Interim Basis	$/kWh	0.0031
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 - Applicable only for Non-RPP Customers	$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kWh	-0.0021
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	-0.003
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 - Applicable Only for Class B Customers	$/kWh	0.0002

Alectra Utilities Corporation
PowerStream Rate Zone
TARIFF OF RATES AND CHARGES
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EB-2018-0016

Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	$/kWh	0.0073
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.004

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
PowerStream Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date February 1, 2019
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EB-2018-0016

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	29.35
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.08
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.19
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.12
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Distribution Volumetric Rate	$/kWh	0.0187
Low Voltage Service Rate	$/kWh	0.0004
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers - Approved on an Interim Basis	$/kWh	0.0031
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 - Applicable only for Non-RPP Customers	$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kWh	-0.002
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	-0.003
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 - Applicable Only for Class B Customers	$/kWh	0.0002
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kWh	0.0007
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kWh	0.0009

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Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	$/kWh	0.0065
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0035

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW, both regular and interval metered. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	143.95
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.99
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.95
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.57

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Distribution Volumetric Rate	$/kW	4.2924
Low Voltage Service Rate	$/kW	0.1589
Rate Rider for Disposition of Global Adjustment Account (2019) - effective from May 1, 2019 until December 31, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants non-interval metered - Approved on an Interim Basis	$/kWh	0.0043
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants Non-interval metered	$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 Approved on an Interim Basis	$/kW	-0.323
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 Applicable only for Non-Wholesale Market Participants - Approved on an Interim Basis	$/kW	-0.4296
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	0.0184
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019 - Applicable only for Non-Wholesale Market Participants	$/kW	-1.1367
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 - Applicable Only for Class B Customers	$/kW	0.0905
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.1073
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) -effective April 30, 2019	$/kW	0.0796
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0282
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0168
Retail Transmission Rate - Network Service Rate	$/kW	2.613
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.3338
Retail Transmission Rate - Network Service Rate – Interval Metered	$/kW	2.7391
Retail Transmission Rate - Line and Transformation Connection Service Rate – Interval Metered	$/kW	1.4431

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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LARGE USE SERVICE CLASSIFICATION

This classification refers to an account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	6201.88
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	15.43
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	40.77
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	24.34
Distribution Volumetric Rate	$/kW	2.2894

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Low Voltage Service Rate	$/kW	0.163
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kW	-1.2846
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	-1.3235
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	-0.0771
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	-0.0723
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0151
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.009
Retail Transmission Rate - Network Service Rate	$/kW	3.1569
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.3931

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide back-up 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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MONTHLY RATES AND CHARGES – Delivery Component - APPROVED ON AN INTERIM BASIS

Standby Charge – for a month where standby power is not provided. The charge is applied to the contracted amount (e.g. nameplate rating of generation facility).	$/kW	2.8334

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UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	8.78
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.02
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.06
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.03
Distribution Volumetric Rate	$/kWh	0.0199
Low Voltage Service Rate	$/kWh	0.0005
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants - Approved on an Interim Basis	$/kWh	0.0031
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants	$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kWh	-0.002
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	-0.0029
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 - Applicable Only for Class B Customers	$/kWh	0.0002
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kWh	-0.0003

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Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kWh	-0.0005
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	$/kWh	0.0062
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0037

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to an unmetered lighting load supplied to a sentinel light. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per Connection)	$	4.28
Rate Rider for Recovery of 2019 Foregone Revenue - effective until December 31, 2019	$	0.01
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.03
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.02
Distribution Volumetric Rate	$/kW	10.0777
Low Voltage Service Rate	$/kW	0.117
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants - Approved on an Interim Basis	$/kWh	0.0031
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants	$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kW	-0.7463
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	-1.074
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 - Applicable Only for Class B Customers	$/kW	0.0895
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	-0.2379
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	-0.385
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0663

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Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0396
Retail Transmission Rate - Network Service Rate	$/kW	2.0304
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	0.9868

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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STREET LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per Connection)	$	1.21
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.01
Distribution Volumetric Rate	$/kW	6.4556
Low Voltage Service Rate	$/kW	0.1288
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers Non-Wholesale Market Participants	$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 - Approved on an Interim Basis	$/kW	-0.7044
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	-1.0519
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 - Applicable Only for Class B Customers	$/kW	0.087
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	1.3491
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	0.5854
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0424
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0253

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Retail Transmission Rate - Network Service Rate	$/kW	2.6275
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.4291

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	5.4

ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month	$/kW	(0.60)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	-1

Alectra Utilities Corporation
PowerStream Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date February 1, 2019
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2018-0016

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

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

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

Customer Administration

Arrears certificate	$	15
Statement of account	$	15
Duplicate invoices for previous billing	$	15
Request for other billing information	$	15
Easement Letter	$	15
Income tax letter	$	15
Account history	$	15
Returned cheque (plus bank charges)	$	15
Legal letter charge	$	15
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	$	30
Special meter reads	$	30
Meter dispute charge plus Measurement Canada fees (if meter found correct)	$	30

Non-Payment of Account

Late payment - per month	%	1.5
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	$	30
Disconnect/reconnect at meter - during regular hours	$	65
Disconnect/reconnect at meter - after regular hours	$	185

Other

Install/remove load Control device - during regular hours	$	65
Install/remove load control device - after regular hours	$	185
Disconnect/reconnect at meter - during regular hours	$	65
Disconnect/reconnect at meter - after regular hours	$	185

Alectra Utilities Corporation
PowerStream Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date February 1, 2019
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EB-2018-0016

Disconnect/reconnect at pole - during regular hours	$	185
Disconnect/reconnect at pole - after regular hours	$	415
Specific Charge for Access to the Power Poles - $/pole/year (with the exception of wireless attachments) - in effect from January 1, 2019	$	43.63
Temporary Service install and remove - overhead - no transformer	$	500

Alectra Utilities Corporation
PowerStream Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date February 1, 2019
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2018-0016

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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

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

Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity.		
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	$	100
Monthly fixed charge, per retailer	$	20
Monthly variable charge, per customer, per retailer	$/cust.	0.5
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.3
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	-0.3
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.25
Processing fee, per request, applied to the requesting party	$	0.5
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

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	1.0369
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0266
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

		2013									
Account Descriptions	**Account Number**	**Opening Principal Amounts as of Jan 1, 2013**	**Transactions Debit / (Credit) during 2013**	**OEB-Approved Disposition during 2013**	**Principal Adjustments[1] during 2013**	**Closing Principal Balance as of Dec 31, 2013**	**Opening Interest Amounts as of Jan 1, 2013**	**Interest Jan 1 to Dec 31, 2013**	**OEB-Approved Disposition during 2013**	**Interest Adjustments[1] during 2013**	**Closing Interest Amounts as of Dec 31, 2013**
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge[5]	1580					0					0
Variance WMS – Sub-account CBR Class A[5]	1580					0					0
Variance WMS – Sub-account CBR Class B[5]	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power[4]	1588					0					0
RSVA - Global Adjustment[4]	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2014)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2015)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2016)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2018)[3]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2019)[3] *Not to be disposed of until a year after rate rider has expired and that balance has been audited*	1595					0					0
RSVA - Global Adjustment	**1589**	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance		0	0	0	0	0	0	0	0	0	0
LRAM Variance Account (only input amounts if applying for disposition of this account)	**1568**										
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

2014										2015									
Opening Principal Amounts as of Jan 1, 2014	Transactions Debit / (Credit) during 2014	OEB-Approved Disposition during 2014	Principal Adjustments[1] during 2014	Closing Principal Balance as of Dec 31, 2014	Opening Interest Amounts as of Jan 1, 2014	Interest Jan 1 to Dec 31, 2014	OEB-Approved Disposition during 2014	Interest Adjustments[1] during 2014	Closing Interest Amounts as of Dec 31, 2014	Opening Principal Amounts as of Jan 1, 2015	Transactions Debit / (Credit) during 2015	OEB-Approved Disposition during 2015	Principal Adjustments[1] during 2015	Closing Principal Balance as of Dec 31, 2015	Opening Interest Amounts as of Jan 1, 2015	Interest Jan 1 to Dec 31, 2015	OEB-Approved Disposition during 2015	Interest Adjustments[1] during 2015	Closing Interest Amounts as of Dec 31, 2015
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0	4,751,092	10,538,166		(5,787,074)	0	(90,778)	277,339		(368,117)	(5,787,074)	5,684,237		173,316	70,479	(368,117)	(18,488)		33,613	(352,992)
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	4,751,092	10,538,166	0	(5,787,074)	0	(90,778)	277,339	0	(368,117)	(5,787,074)	5,684,237	0	173,316	70,479	(368,117)	(18,488)	0	33,613	(352,992)
0	4,751,092	10,538,166	0	(5,787,074)	0	(90,778)	277,339	0	(368,117)	(5,787,074)	5,684,237	0	173,316	70,479	(368,117)	(18,488)	0	33,613	(352,992)
202,949	73,996			276,945	13,029	3,378			16,407	276,945	296,819			573,764	16,407	2,310			18,717
202,949	4,825,088	10,538,166	0	(5,510,129)	13,029	(87,400)	277,339	0	(351,710)	(5,510,129)	5,981,056	0	173,316	644,243	(351,710)	(16,178)	0	33,613	(334,275)

2016										2017									
Opening Principal Amounts as of Jan 1, 2016	Transactions Debit / (Credit) during 2016	OEB-Approved Disposition during 2016	Principal Adjustments[1] during 2016	Closing Principal Balance as of Dec 31, 2016	Opening Interest Amounts as of Jan 1, 2016	Interest Jan 1 to Dec 31, 2016	OEB-Approved Disposition during 2016	Interest Adjustments[1] during 2016	Closing Interest Amounts as of Dec 31, 2016	Opening Principal Amounts as of Jan 1, 2017	Transactions Debit / (Credit) during 2017	OEB-Approved Disposition during 2017	Principal Adjustments[1] during 2017	Closing Principal Balance as of Dec 31, 2017	Opening Interest Amounts as of Jan 1, 2017	Interest Jan 1 to Dec 31, 2017	OEB-Approved Disposition during 2017	Interest Adjustments[1] during 2017	Closing Interest Amounts as of Dec 31, 2017
0				0	0				0	0			5,983,822	5,983,822	0			102,277	102,277
0				0	0				0	0			(642,269)	(642,269)	0			(5,809)	(5,809)
0				0	0				0	0			(33,873,012)	(33,873,012)	0			(658,107)	(658,107)
0				0	0				0	0			0	0	0			0	0
0				0	0				0	0			1,863,100	1,863,100	0			52,410	52,410
0				0	0				0	0			(13,164,431)	(13,164,431)	0			(171,706)	(171,706)
0				0	0				0	0			1,613,442	1,613,442	0			50,538	50,538
0				0	0				0	0			824,574	824,574	0			(720)	(720)
0				0	0				0	0			5,336,843	5,336,843	0			144,016	144,016
0				0	0				0	0				0	0				0
70,479	8,671		(79,150)	(0)	(352,992)	(2,385)		64,903	(290,474)	(0)	1,872		33,769	35,642	(290,474)			1,416	(289,058)
0				0	0				0	0				0	0				0
0	(1,552,491)	(12,710,011)		11,157,520	0	10,849	(423,733)		434,582	11,157,520	(6,473,199)			4,684,321	434,582	95,970			530,551
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0				0	0				0	0				0	0				0
0	0	0	0	0	0	0	0	0	0	0	0	0	5,336,843	5,336,843	0	0	0	144,016	144,016
70,479	(1,543,820)	(12,710,011)	(79,150)	11,157,520	(352,992)	8,464	(423,733)	64,903	144,108	11,157,520	(6,471,326)	0	(37,361,006)	(32,674,812)	144,108	95,970	0	(629,702)	(389,624)
70,479	(1,543,820)	(12,710,011)	(79,150)	11,157,520	(352,992)	8,464	(423,733)	64,903	144,108	11,157,520	(6,471,326)	0	(32,024,163)	(27,337,969)	144,108	95,970	0	(485,686)	(245,609)
573,764	1,581,007			2,154,771	18,717	9,806			28,523	2,154,771	3,375,748			5,530,519	28,523	83,241			111,764
644,243	37,187	(12,710,011)	(79,150)	13,312,291	(334,275)	18,270	(423,733)	64,903	172,631	13,312,291	(3,095,578)	0	(32,024,163)	(21,807,450)	172,631	179,211	0	(485,686)	(133,844)

2018										2019				Projected Interest on Dec-31-18 Balances					2.1.7 RRR	
Opening Principal Amounts as of Jan 1, 2018	Transactions Debit / (Credit) during 2018	OEB-Approved Disposition during 2018	Principal Adjustments[1] during 2018	Closing Principal Balance as of Dec 31, 2018	Opening Interest Amounts as of Jan 1, 2018	Interest Jan 1 to Dec 31, 2018	OEB-Approved Disposition during 2018	Interest Adjustments[1] during 2018	Closing Interest Amounts as of Dec 31, 2018	Principal Disposition during 2019 - instructed by OEB	Interest Disposition during 2019 - instructed by OEB	Closing Principal Balances as of Dec 31, 2018 Adjusted for Disposition during 2019	Closing Interest Balances as of Dec 31, 2018 Adjusted for Disposition during 2019	Projected Interest from Jan 1, 2019 to Dec 31, 2019 on Dec 31, 2018 balance adjusted for disposition during 2019 [2]	Projected Interest from Jan 1, 2020 to Apr 30, 2020 on Dec 31, 2018 balance adjusted for disposition during 2019 [2]	Total Interest	Total Claim	Account Disposition: Yes/No?	As of Dec 31, 2018	Variance RRR vs. 2018 Balance *(Principal + Interest)*
5,983,822	525,877	4,477,534		2,032,164	102,277	63,392	117,006		48,663	1,506,288	16,401	525,877	32,262	11,819		44,081	569,958		2,080,829	1
(642,269)	(298,025)	(252,810)		(687,484)	(5,809)	(13,192)	(6,561)		(12,440)	(389,459)	(7,297)	(298,025)	(5,143)	(6,698)		(11,841)	(309,866)		(699,924)	(0)
(33,873,012)	(1,688,121)	(25,885,605)		(9,675,528)	(658,107)	(326,064)	(754,948)		(229,223)	(7,987,408)	(68,232)	(1,688,121)	(160,991)	(37,941)		(198,931)	(1,887,052)		(9,904,752)	(0)
0	0	0		0	0		0		0	0		0	0	0		0	0		0	0
1,863,100	(234,782)	1,947,271		(318,953)	52,410	9,276	63,569		(1,884)	(84,171)	(12,899)	(234,782)	11,015	(5,277)		5,739	(229,043)		(320,837)	0
(13,164,431)	(1,879,570)	(6,495,670)		(8,548,331)	(171,706)	(205,284)	(166,419)		(210,570)	(6,668,761)	(143,108)	(1,879,570)	(67,462)	(42,243)		(109,706)	(1,989,276)		(8,758,901)	0
1,613,442	799,487	2,623,509		(210,581)	50,538	8,128	72,272		(13,606)	(1,010,067)	(42,608)	799,487	29,002	17,968		46,970	846,457		(224,187)	0
824,574	(9,665,403)	1,047,973	6,867,808	(3,020,993)	(720)	(93,378)	38,944		(133,042)	(223,398)	(44,280)	(2,797,595)	(88,762)	(62,876)		(151,638)	(2,949,233)	Yes	(6,420,089)	(3,266,054)
5,336,843	(1,475,817)	890,272	(6,832,602)	(3,861,848)	144,016	96,862	116,647		124,231	4,446,571	119,265	(8,308,419)	4,966	(186,732)		(181,765)	(8,490,185)	Yes	(1,444,903)	2,292,714
0				0	0				0	0	0	0	0	0		0	0	No	0	0
35,642	(21)		(502)	35,118	(289,058)	229	(290,474)		1,645			35,118	1,645	789		2,434	0	No	36,763	(0)
0				0	0				0	0	0	0	0	0		0	0	No	0	0
4,684,321	(4,682,037)			2,284	530,551	(536,028)			(5,476)	0	0	2,284	(5,476)	51		(5,425)	0	No	(3,192)	0
0				0	0				0			0	0	0		0	0	No	0	0
0	14,140,406	19,712,107		(5,571,701)	0	(140,304)	605,606		(745,910)			(5,571,701)	(745,910)	(125,224)		(871,134)	0	No	(6,317,610)	0
0				0	0				0	7,618,504	77,480	(7,618,504)	(77,480)	(171,226)		(248,706)	0	No		0
5,336,843	(1,475,817)	890,272	(6,832,602)	(3,861,848)	144,016	96,862	116,647	0	124,231	4,446,571	119,265	(8,308,419)	4,966	(186,732)	0	(181,765)	(8,490,185)		(1,444,903)	2,292,714
(32,674,812)	(2,982,189)	(2,825,691)	6,867,306	(25,964,005)	(389,624)	(1,233,224)	(321,006)	0	(1,301,843)	(7,238,473)	(224,543)	(18,725,531)	(1,077,300)	(420,856)	0	(1,498,156)	(5,948,055)		(30,211,064)	(2,945,216)
(27,337,969)	(4,458,007)	(1,935,419)	34,704	(29,825,853)	(245,609)	(1,136,362)	(204,359)	0	(1,177,612)	(10,410,406)	(105,278)	(27,033,951)	(1,072,334)	(607,588)	0	(1,679,922)	(14,438,240)		(31,655,967)	(652,502)
5,530,519	4,515,939	1,915,298		8,131,160	111,764	145,417	72,305		184,876	2,791,902	105,278	5,339,258	79,598	120,000		199,598	5,538,856		8,316,036	(1)
(21,807,450)	57,932	(20,121)	34,704	(21,694,693)	(133,844)	(990,945)	(132,054)	0	(992,736)	(7,618,504)	0	(21,694,693)	(992,736)	(487,588)	0	(1,480,324)	(8,899,384)		(23,339,931)	(652,503)

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Data on this worksheet has been populated using your most recent RRR filing.

If you have identified any issues, please contact the OEB.

Have you confirmed the accuracy of the data below?

If a distributor uses the actual GA price to bill non-RPP Class B customers for an entire rate class, it must exclude these customers from the allocation of the GA balance and the calculation of the resulting rate riders. These rate classes are not to be charged/refunded the general GA rate rider as they did not contribute to the GA balance.

Please contact the OEB to make adjustments to the IRM rate generator for this situation.

Rate Class	Unit	Total Metered kWh	Total Metered kW	Metered kWh for Non-RPP Customers (excluding WMP)	Metered kW for Non-RPP Customers (excluding WMP)	Metered kWh for Wholesale Market Participants (WMP)	Metered kW for Wholesale Market Participants (WMP)	Total Metered kWh less WMP consumption *(if applicable)*	Total Metered kW less WMP consumption *(if applicable)*	1568 LRAM Variance Account Class Allocation ($ amounts)	Number of Customers for Residential and GS<50 classes[3]
RESIDENTIAL SERVICE CLASSIFICATION	kWh	2,783,708,695	0	71,000,892	0	0	0	2,783,708,695	0	1,871,201	334,683
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	1,049,615,664	0	188,602,212	0	0	0	1,049,615,664	0	237,032	32,624
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	4,679,965,944	12,192,876	4,272,995,560	11,141,456	30,400,416	81,097	4,649,565,528	12,111,779	933,014	
LARGE USE SERVICE CLASSIFICATION	kW	53,218,181	102,871	53,218,181	102,871	0	0	53,218,181	102,871	3,631	
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0		
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	13,830,788	0	214,076	0	0	0	13,830,788	0		
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	286,384	796	12,264	27	0	0	286,384	796		
STREET LIGHTING SERVICE CLASSIFICATION	kW	48,883,953	134,151	48,212,565	132,306	0	0	48,883,953	134,151	-55,158	
	Total	8,629,509,609	12,430,694	4,634,255,750	11,376,660	30,400,416	81,097	8,599,109,193	12,349,597	5,538,856	367,307

Threshold Test

Total Claim (including Account 1568)	($8,899,384)
Total Claim for Threshold Test (All Group 1 Accounts)	($14,438,240)
Threshold Test (Total claim per kWh) [2]	($0.0017)

Currently, the threshold test has been met and the default is that Group 1 account balances will be disposed. If you are requesting not to dispose of the Group 1 account balances, please select NO and provide detailed reasons in the manager's summary.

YES

[1] Residual Account balance to be allocated to rate classes in proportion to the recovery share as established when rate riders were implemented.

[2] The Threshold Test does not include the amount in 1568.

[3] The proportion of customers for the Residential and GS<50 Classes will be used to allocate Account 1551.

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

No input required. This workshseet allocates the deferral/variance account balances (Group 1 and 1568) to the appropriate classes as per EDDVAR dated July 31, 2009

Allocation of Group 1 Accounts (including Account 1568)

Rate Class	% of Total kWh	% of Customer Numbers **	% of Total kWh adjusted for WMP	1550	1551	1580 (allocated based on Total less WMP)	1584	1586	1588 (allocated based on Total less WMP)	1568
RESIDENTIAL SERVICE CLASSIFICATION	32.3%	91.1%	32.4%	183,857	(282,344)	(685,024)	(641,701)	273,050	(954,727)	1,871,201
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	12.2%	8.9%	12.2%	69,325	(27,522)	(258,293)	(241,958)	102,955	(359,986)	237,032
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	54.2%	0.0%	54.1%	309,100	0	(1,144,179)	(1,078,827)	459,052	(1,594,659)	933,016
LARGE USE SERVICE CLASSIFICATION	0.6%	0.0%	0.6%	3,515	0	(13,096)	(12,268)	5,220	(18,252)	3,631
STANDBY POWER SERVICE CLASSIFICATION	0.0%	0.0%	0.0%	0	0	0	0	0	0	0
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	0.2%	0.0%	0.2%	913	0	(3,404)	(3,188)	1,357	(4,744)	0
SENTINEL LIGHTING SERVICE CLASSIFICATION	0.0%	0.0%	0.0%	19	0	(70)	(66)	28	(98)	0
STREET LIGHTING SERVICE CLASSIFICATION	0.6%	0.0%	0.6%	3,229	0	(12,030)	(11,269)	4,795	(16,766)	(48,688)
Total	100.0%	100.0%	100.0%	569,958	(309,866)	(2,116,095)	(1,989,276)	846,457	(2,949,233)	2,996,191

*** Used to allocate Account 1551 as this account records the variances arising from the Smart Metering Entity Charges to Residential and GS<50 customers.*

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

1a	The year Account 1589 GA was last disposed	2017	
1b	The year Account 1580 CBR Class B was last disposed	2017	Note that the sub-account was established in 2015.
2a	Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1589 GA balance accumulated (i.e. from the year after the balance was last disposed to the current year requested for disposition)?	Yes	(e.g. If you received approval to dispose of the GA variance account balance as at December 31, 2015, the period the GA variance accumulated would be 2016 to 2018.)
2b	Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1580, sub-account CBR Class B balance accumulated (i.e. from the year after the balance was last disposed to the current year requested for disposition)?	Yes	(e.g. If you received approval to dispose of the CBR Class B balance as at December 31, 2016, the period the CBR Class B variance accumulated would be 2017 to 2018.)
3a	Enter the number of transition customer you had during the period the Account 1589 GA or Account 1580 CBR B balance accumulated	43	

Transition Customers - Non-loss Adjusted Billing Determinants by Customer

Customer	Rate Class		2018 January to June	2018 July to December
Customer 1	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,995,230	2,091,601
		kW	4,552	4,879
		Class A/B	A	B
Customer 2	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,573,697	3,711,081
		kW	6,566	9,347
		Class A/B	A	B
Customer 3	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,031,715	3,021,305
		kW	6,765	6,734
		Class A/B	A	B
Customer 4	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,273,070	3,394,485
		kW	6,016	6,590
		Class A/B	A	B
Customer 5	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,607,652	2,804,909
		kW	5,944	6,330
		Class A/B	A	B
Customer 6	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,691,163	1,722,799
		kW	5,295	5,362
		Class A/B	A	B
Customer 7	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,617,995	1,703,529
		kW	5,061	4,935
		Class A/B	A	B
Customer 8	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,772,234	2,905,932
		kW	5,113	5,446
		Class A/B	A	B
Customer 9	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	4,849,431	4,925,393
		kW	7,301	7,510
		Class A/B	A	B
Customer 10	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,149,438	980,293
		kW	2,704	2,612
		Class A/B	A	B
Customer 11	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,956,228	3,300,085
		kW	6,671	8,480
		Class A/B	A	B
Customer 12	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	166,853	218,665
		kW	1,573	2,166
		Class A/B	A	B
Customer 13	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	7,824,932	13,245,285
		kW	16,759	27,942
		Class A/B	B	A
Customer 14	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,112,326	6,648,006
		kW	10,667	11,848
		Class A/B	B	A
Customer 15	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	4,483,968	4,770,994
		kW	10,128	10,834
		Class A/B	B	A
Customer 16	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,165,598	4,914,612
		kW	12,629	13,910
		Class A/B	B	A
Customer 17	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	4,699,213	4,836,116
		kW	12,147	12,740
		Class A/B	B	A
Customer 18	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,066,444	2,133,092
		kW	7,622	8,198
		Class A/B	B	A
Customer 19	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	4,870,282	4,313,319
		kW	12,662	13,195
		Class A/B	B	A
Customer 20	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,936,691	2,031,944
		kW	7,053	7,140
		Class A/B	B	A
Customer 21	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,802,170	2,083,686
		kW	7,533	7,467
		Class A/B	B	A
Customer 22	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,014,216	2,040,936
		kW	6,300	6,197
		Class A/B	B	A
Customer 23	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,356,506	2,486,476
		kW	7,111	7,226
		Class A/B	B	A
Customer 24	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,103,529	2,587,482
		kW	6,842	7,416
		Class A/B	B	A
Customer 25	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,605,782	1,570,353
		kW	6,039	5,808
		Class A/B	B	A
Customer 26	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,600,747	1,444,263
		kW	5,754	5,537
		Class A/B	B	A
Customer 27	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,140,429	1,819,431
		kW	7,959	6,419
		Class A/B	B	A
Customer 28	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,895,749	1,916,980
		kW	4,492	4,490
		Class A/B	B	A
Customer 29	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,249,017	2,177,423
		kW	4,586	4,604
		Class A/B	B	A
Customer 30	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,034,948	2,045,811
		kW	4,183	4,379
		Class A/B	B	A
Customer 31	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,654,918	1,632,483
		kW	4,941	4,982
		Class A/B	B	A
Customer 32	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,206,687	2,259,350
		kW	4,507	4,894
		Class A/B	B	A
Customer 33	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,666,591	1,634,046
		kW	4,414	4,635
		Class A/B	B	A
Customer 34	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,435,579	2,416,891
		kW	4,678	5,179
		Class A/B	B	A
Customer 35	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,055,539	2,254,892
		kW	3,868	4,168
		Class A/B	B	A
Customer 36	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,566,062	1,675,906
		kW	3,399	3,687

		Class A/B	B	A
Customer 37	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,343,292	1,348,217
		kW	4,070	3,965
		Class A/B	B	A
Customer 38	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,436,514	1,513,806
		kW	3,131	3,335
		Class A/B	B	A
Customer 39	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,419,972	1,253,131
		kW	3,412	3,283
		Class A/B	B	A
Customer 40	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,283,197	7,397,622
		kW	13,175	16,219
		Class A/B	B	A
Customer 41	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,798,580	1,704,184
		kW	4,286	4,070
		Class A/B	B	A
Customer 42	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,175,504	2,453,905
		kW	5,565	6,458
		Class A/B	B	A
Customer 43	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,732,680	1,776,367
		kW	3,457	3,523
		Class A/B	B	A

3b **Enter the number of rate classes in which there were customers who were Class A for the full year during the period the Account 1589 GA or Account 1580 CBR B balance accumulated. Enter the total Class A consumption in the rate class in the table**

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Rate Classes with Class A Customers - Billing Determinants by Rate Class

	Rate Class		2018
Rate Class 1	LARGE USE SERVICE CLASSIFICATION	kWh	45,287,693
		kW	65,833
Rate Class 2	LARGE USE SERVICE CLASSIFICATION	kWh	7,930,488
		kW	37,039
Rate Class 3	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	32,273,781
		kW	60,409
Rate Class 4	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	35,739,612
		kW	61,250
Rate Class 5	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	29,718,349
		kW	54,897
Rate Class 6	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	27,737,024
		kW	48,643
Rate Class 7	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	31,831,883
		kW	49,464
Rate Class 8	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	23,657,614
		kW	44,938
Rate Class 9	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	25,308,342
		kW	37,699
Rate Class 10	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	21,443,889
		kW	39,007
Rate Class 11	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	16,558,280
		kW	37,435
Rate Class 12	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	13,784,845
		kW	39,061
Rate Class 13	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	21,458,321
		kW	35,936
Rate Class 14	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	21,689,921
		kW	35,227
Rate Class 15	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	20,305,738
		kW	36,822
Rate Class 16	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	19,957,551
		kW	36,911
Rate Class 17	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	18,507,178
		kW	33,845
Rate Class 18	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	13,659,155
		kW	32,870
Rate Class 19	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	21,058,595
		kW	35,599
Rate Class 20	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	17,724,659
		kW	33,201
Rate Class 21	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	17,133,718
		kW	31,052
Rate Class 22	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	12,838,627
		kW	30,427
Rate Class 23	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	15,790,032
		kW	32,418
Rate Class 24	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	10,510,982
		kW	32,081
Rate Class 25	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	17,379,670
		kW	30,575
Rate Class 26	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,463,632
		kW	29,472
Rate Class 27	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	14,449,979
		kW	31,440
Rate Class 28	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	16,931,844
		kW	29,753
Rate Class 29	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	4,872,727
		kW	30,727
Rate Class 30	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	12,588,721
		kW	29,818
Rate Class 31	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	13,504,643
		kW	29,318
Rate Class 32	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	14,712,355
		kW	29,755
Rate Class 33	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	12,797,659
		kW	27,877
Rate Class 34	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	16,711,618
		kW	25,268
Rate Class 35	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	10,744,363
		kW	23,301
Rate Class 36	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	11,874,894
		kW	24,302
Rate Class 37	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	13,720,360
		kW	26,888
Rate Class 38	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	11,336,325
		kW	18,806
Rate Class 39	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,915,966
		kW	23,790
Rate Class 40	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	12,666,896
		kW	21,875
Rate Class 41	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	11,230,455
		kW	22,749
Rate Class 42	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	10,112,678
		kW	22,676
Rate Class 43	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	15,082,153
		kW	24,288
Rate Class 44	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	11,859,477
		kW	23,612
Rate Class 45	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	12,537,582
		kW	22,488
Rate Class 46	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,988,949
		kW	21,793
Rate Class 47	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,203,971
		kW	21,901
Rate Class 48	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	11,161,784
		kW	21,233
Rate Class 49	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	12,115,155
		kW	23,606
Rate Class 50	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	14,441,771
		kW	25,261
Rate Class 51	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	12,428,503
		kW	25,230
Rate Class 52	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	15,549,534
		kW	24,742
Rate Class 53	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,765,745
		kW	19,267
Rate Class 54	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	9,910,457
		kW	19,969
Rate Class 55	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	13,232,212
		kW	21,045
Rate Class 56	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,053,455
		kW	19,452

Rate Class 57	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,019,386
		kW	18,641
Rate Class 58	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	13,174,949
		kW	19,517
Rate Class 59	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	9,934,959
		kW	18,311
Rate Class 60	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	7,946,491
		kW	18,769
Rate Class 61	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,634,389
		kW	18,109
Rate Class 62	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,163,230
		kW	17,219
Rate Class 63	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,590,423
		kW	17,610
Rate Class 64	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	4,005,185
		kW	16,962
Rate Class 65	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,397,624
		kW	18,489
Rate Class 66	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,382,393
		kW	19,342
Rate Class 67	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	9,127,017
		kW	16,229
Rate Class 68	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	7,826,989
		kW	15,971
Rate Class 69	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,464,220
		kW	14,746
Rate Class 70	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,739,369
		kW	19,346
Rate Class 71	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,827,083
		kW	14,950
Rate Class 72	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,294,736
		kW	15,031
Rate Class 73	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	7,424,045
		kW	15,622
Rate Class 74	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,569,232
		kW	15,459
Rate Class 75	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	8,334,411
		kW	15,840
Rate Class 76	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,573,140
		kW	14,709
Rate Class 77	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	7,136,561
		kW	13,992
Rate Class 78	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	7,068,452
		kW	14,809
Rate Class 79	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,763,005
		kW	13,648
Rate Class 80	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,926,443
		kW	12,899
Rate Class 81	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,757,004
		kW	13,373
Rate Class 82	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,366,255
		kW	15,996
Rate Class 83	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	7,146,082
		kW	12,789
Rate Class 84	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,534,552
		kW	13,313
Rate Class 85	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	7,194,964
		kW	12,956
Rate Class 86	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,940,077
		kW	12,284
Rate Class 87	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,717,276
		kW	12,470
Rate Class 88	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,643,527
		kW	11,515
Rate Class 89	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	6,671,123
		kW	14,203
Rate Class 90	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	5,200,299
		kW	12,428
Rate Class 91	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	4,792,677
		kW	12,145
Rate Class 92	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,655,628
		kW	9,425
Rate Class 93	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,879,061
		kW	10,806
Rate Class 94	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,453,369
		kW	8,669
Rate Class 95	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	4,498,138
		kW	10,679
Rate Class 96	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,619,577
		kW	8,326
Rate Class 97	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,541,241
		kW	6,681
Rate Class 98	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,905,418
		kW	7,891
Rate Class 99	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,376,484
		kW	7,190
Rate Class 100	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,401,861
		kW	6,377
Rate Class 101	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	3,207,406
		kW	7,133
Rate Class 102	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	2,321,503
		kW	6,334
Rate Class 103	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	12,223,477
		kW	27,383

Ontario Energy Board

ıcentive Rate-setting Mechanism Rate Generator for 2020 Filers

This tab allocates the GA balance to transition customers (i.e Class A customers who were former Class B customers and Class B customers who were former Class A customers) who contributed to the current GA balance. The tables below calculate specific amounts for each customer who made the change. The general GA rate rider to non-RPP customers is not to be charged to the transition customers that are allocated amounts in the table below. Consistent with prior decisions, distributors are generally expected to settle the amount through 12 equal adjustments to bills.

Year the Account 1589 GA Balance Last Disposed	**2017**

Allocation of total Non-RPP Consumption (kWh) between Current Class B and Class A/B Transition Customers

		Total	**2018**
Non-RPP Consumption Less WMP Consumption	A	4,634,255,750	4,634,255,750
Less Class A Consumption for Partial Year Class A Customers	B	121,071,714	121,071,714
Less Consumption for Full Year Class A Customers	C	1,198,622,538	1,198,622,538
Total Class B Consumption for Years During Balance Accumulation	D = A-B-C	3,314,561,498	3,314,561,498
All Class B Consumption for Transition Customers	E	116,517,739	116,517,739
Transition Customers' Portion of Total Consumption	F = E/D	**3.52%**	

Allocation of Total GA Balance $

Total GA Balance	G	-$	8,490,185
Transition Customers Portion of GA Balance	H=F*G	-$	298,458
GA Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	-$	8,191,727

Allocation of GA Balances to Class A/B Transition Customers

# of Class A/B Transition Customers		43				
Customer		**Total Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers**	**Metered Consumption (kWh) for Transition Customers During the Period When They Were a Class B Customers in 2018**	**% of kWh**	**Customer Specific GA Allocation for the Period When They Were a Class B customer**	**Monthly Equal Payments**
Customer 1		2,091,601	2,091,601	1.80%	-$ 5,358	-$ 446
Customer 2		3,711,081	3,711,081	3.18%	-$ 9,506	-$ 792
Customer 3		3,021,305	3,021,305	2.59%	-$ 7,739	-$ 645
Customer 4		3,394,485	3,394,485	2.91%	-$ 8,695	-$ 725
Customer 5		2,804,909	2,804,909	2.41%	-$ 7,185	-$ 599
Customer 6		1,722,799	1,722,799	1.48%	-$ 4,413	-$ 368
Customer 7		1,703,529	1,703,529	1.46%	-$ 4,364	-$ 364
Customer 8		2,905,932	2,905,932	2.49%	-$ 7,443	-$ 620
Customer 9		4,925,393	4,925,393	4.23%	-$ 12,616	-$ 1,051
Customer 10		980,293	980,293	0.84%	-$ 2,511	-$ 209
Customer 11		3,300,085	3,300,085	2.83%	-$ 8,453	-$ 704
Customer 12		218,665	218,665	0.19%	-$ 560	-$ 47
Customer 13		7,824,932	7,824,932	6.72%	-$ 20,043	-$ 1,670
Customer 14		6,112,326	6,112,326	5.25%	-$ 15,657	-$ 1,305
Customer 15		4,483,968	4,483,968	3.85%	-$ 11,486	-$ 957
Customer 16		5,165,598	5,165,598	4.43%	-$ 13,232	-$ 1,103
Customer 17		4,699,213	4,699,213	4.03%	-$ 12,037	-$ 1,003
Customer 18		2,066,444	2,066,444	1.77%	-$ 5,293	-$ 441
Customer 19		4,870,282	4,870,282	4.18%	-$ 12,475	-$ 1,040
Customer 20		1,936,691	1,936,691	1.66%	-$ 4,961	-$ 413
Customer 21		2,802,170	2,802,170	2.40%	-$ 7,178	-$ 598
Customer 22		2,014,216	2,014,216	1.73%	-$ 5,159	-$ 430
Customer 23		2,356,506	2,356,506	2.02%	-$ 6,036	-$ 503
Customer 24		2,103,529	2,103,529	1.81%	-$ 5,388	-$ 449
Customer 25		1,605,782	1,605,782	1.38%	-$ 4,113	-$ 343
Customer 26		1,600,747	1,600,747	1.37%	-$ 4,100	-$ 342
Customer 27		2,140,429	2,140,429	1.84%	-$ 5,483	-$ 457
Customer 28		1,895,749	1,895,749	1.63%	-$ 4,856	-$ 405
Customer 29		2,249,017	2,249,017	1.93%	-$ 5,761	-$ 480
Customer 30		2,034,948	2,034,948	1.75%	-$ 5,212	-$ 434
Customer 31		1,654,918	1,654,918	1.42%	-$ 4,239	-$ 353
Customer 32		2,206,687	2,206,687	1.89%	-$ 5,652	-$ 471
Customer 33		1,666,591	1,666,591	1.43%	-$ 4,269	-$ 356
Customer 34		2,435,579	2,435,579	2.09%	-$ 6,239	-$ 520
Customer 35		2,055,539	2,055,539	1.76%	-$ 5,265	-$ 439
Customer 36		1,566,062	1,566,062	1.34%	-$ 4,011	-$ 334
Customer 37		1,343,292	1,343,292	1.15%	-$ 3,441	-$ 287
Customer 38		1,436,514	1,436,514	1.23%	-$ 3,680	-$ 307
Customer 39		1,419,972	1,419,972	1.22%	-$ 3,637	-$ 303
Customer 40		6,283,197	6,283,197	5.39%	-$ 16,094	-$ 1,341
Customer 41		1,798,580	1,798,580	1.54%	-$ 4,607	-$ 384
Customer 42		2,175,504	2,175,504	1.87%	-$ 5,573	-$ 464
Customer 43		1,732,680	1,732,680	1.49%	-$ 4,438	-$ 370
Total		116,517,739	116,517,739	100.00%	-$ 298,458	

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The purpose of this tab is to calculate the GA rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1589 GA was last disposed. Calculations in this tab will be modified upon completion of tab 6.1a, which allocates a portion of the GA balance to transition customers, if applicable.
Effective January 2017, the billing determinant and all rate riders for the disposition of GA balances will be calculated on an energy basis (kWhs) regardless of the billing determinant used for distribution rates for the particular class (see Chapter 3, Filing Requirements, section 3.2.5.2)

Default Rate Rider Recovery Period (in months)	**12**
Proposed Rate Rider Recovery Period (in months)	**12**

Rate Rider Recovery to be used below

		Total Metered Non-RPP 2018 Consumption excluding WMP	Total Metered 2018 Consumption for Class A Customers that were Class A for the entire period GA balance accumulated	Total Metered 2018 Consumption for Customers that Transitioned Between Class A and B during the period GA balance accumulated	Non-RPP Metered Consumption for Current Class B Customers (Non-RPP Consumption excluding WMP, Class A and Transition Customers' Consumption)	% of total kWh	Total GA $ allocated to Current Class B Customers	GA Rate Rider	
		kWh	kWh	kWh	kWh				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	71,000,892	0	0	71,000,892	2.2%	($181,867)	-$0.0026	kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	188,602,212	0	0	188,602,212	5.9%	($483,101)	-$0.0026	kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	4,272,995,560	1,145,404,358	237,589,455	2,890,001,747	90.4%	($7,402,683)	-$0.0026	kWh
LARGE USE SERVICE CLASSIFICATION	kWh	53,218,181	53,218,181	0	0	0.0%	$0	$0.0000	
STANDBY POWER SERVICE CLASSIFICATION	kWh	0	0	0	0	0.0%	$0	$0.0000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	214,076	0	0	214,076	0.0%	($548)	-$0.0026	kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kWh	12,264	0	0	12,264	0.0%	($31)	-$0.0025	kWh
STREET LIGHTING SERVICE CLASSIFICATION	kWh	48,212,565	0	0	48,212,565	1.5%	($123,496)	-$0.0026	kWh
Total		4,634,255,750	1,198,622,538	237,589,455	3,198,043,756	100.0%	($8,191,726)		

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

This tab allocates the CBR Class B balance to transition customers (i.e Class A customers who were former Class B customers and Class B customers who were former Class A customers) who contributed to the current CBR Class B balance. The tables below calculate specific amounts for each customer who made the change. The general CBR Class B rate rider is not to be charged to the transition customers that are allocated amounts in the table below. Consistent with prior decisions, distributors are generally expected to settle the amount through 12 equal adjustments to bills.

Year Account 1580 CBR Class B was Last Disposed **2017**

Allocation of Total Consumption (kWh) between Current Class B and Class A/B Transition Customers

		Total	2018
Total Consumption Less WMP Consumption	A	8,599,109,193	8,599,109,193
Less Class A Consumption for Partial Year Class A Customers	B	121,071,714	121,071,714
Less Consumption for Full Year Class A Customers	C	1,198,622,538	1,198,622,538
Total Class B Consumption for Years During Balance Accumulation	D = A-B-C	7,279,414,941	7,279,414,941
All Class B Consumption for Transition Customers	E	116,517,739	116,517,739
Transition Customers' Portion of Total Consumption	F = E/D	**1.60%**	

Allocation of Total CBR Class B Balance $

Total CBR Class B Balance	G	-$	229,043
Transition Customers Portion of CBR Class B Balance	H=F*G	-$	3,666
CBR Class B Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	-$	225,377

Allocation of CBR Class B Balances to Transition Customers

# of Class A/B Transition Customers		43					
Customer		**Total Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers**	**Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers in 2018**	**% of kWh**	**Customer Specific CBR Class B Allocation for the Period When They Were a Class B Customer**	**Monthly Equal Payments**	**Revised Monthly Payment**
Customer 1		2,091,601	2,091,601	1.80%	-$ 66	-$ 5	$ -
Customer 2		3,711,081	3,711,081	3.18%	-$ 117	-$ 10	$ -
Customer 3		3,021,305	3,021,305	2.59%	-$ 95	-$ 8	$ -
Customer 4		3,394,485	3,394,485	2.91%	-$ 107	-$ 9	$ -
Customer 5		2,804,909	2,804,909	2.41%	-$ 88	-$ 7	$ -
Customer 6		1,722,799	1,722,799	1.48%	-$ 54	-$ 5	$ -
Customer 7		1,703,529	1,703,529	1.46%	-$ 54	-$ 4	$ -
Customer 8		2,905,932	2,905,932	2.49%	-$ 91	-$ 8	$ -
Customer 9		4,925,393	4,925,393	4.23%	-$ 155	-$ 13	$ -
Customer 10		980,293	980,293	0.84%	-$ 31	-$ 3	$ -
Customer 11		3,300,085	3,300,085	2.83%	-$ 104	-$ 9	$ -
Customer 12		218,665	218,665	0.19%	-$ 7	-$ 1	$ -
Customer 13		7,824,932	7,824,932	6.72%	-$ 246	-$ 21	$ -
Customer 14		6,112,326	6,112,326	5.25%	-$ 192	-$ 16	$ -
Customer 15		4,483,968	4,483,968	3.85%	-$ 141	-$ 12	$ -
Customer 16		5,165,598	5,165,598	4.43%	-$ 163	-$ 14	$ -
Customer 17		4,699,213	4,699,213	4.03%	-$ 148	-$ 12	$ -
Customer 18		2,066,444	2,066,444	1.77%	-$ 65	-$ 5	$ -
Customer 19		4,870,282	4,870,282	4.18%	-$ 153	-$ 13	$ -
Customer 20		1,936,691	1,936,691	1.66%	-$ 61	-$ 5	$ -
Customer 21		2,802,170	2,802,170	2.40%	-$ 88	-$ 7	$ -
Customer 22		2,014,216	2,014,216	1.73%	-$ 63	-$ 5	$ -
Customer 23		2,356,506	2,356,506	2.02%	-$ 74	-$ 6	$ -
Customer 24		2,103,529	2,103,529	1.81%	-$ 66	-$ 6	$ -
Customer 25		1,605,782	1,605,782	1.38%	-$ 51	-$ 4	$ -
Customer 26		1,600,747	1,600,747	1.37%	-$ 50	-$ 4	$ -
Customer 27		2,140,429	2,140,429	1.84%	-$ 67	-$ 6	$ -
Customer 28		1,895,749	1,895,749	1.63%	-$ 60	-$ 5	$ -
Customer 29		2,249,017	2,249,017	1.93%	-$ 71	-$ 6	$ -
Customer 30		2,034,948	2,034,948	1.75%	-$ 64	-$ 5	$ -
Customer 31		1,654,918	1,654,918	1.42%	-$ 52	-$ 4	$ -
Customer 32		2,206,687	2,206,687	1.89%	-$ 69	-$ 6	$ -
Customer 33		1,666,591	1,666,591	1.43%	-$ 52	-$ 4	$ -
Customer 34		2,435,579	2,435,579	2.09%	-$ 77	-$ 6	$ -
Customer 35		2,055,539	2,055,539	1.76%	-$ 65	-$ 5	$ -
Customer 36		1,566,062	1,566,062	1.34%	-$ 49	-$ 4	$ -
Customer 37		1,343,292	1,343,292	1.15%	-$ 42	-$ 4	$ -
Customer 38		1,436,514	1,436,514	1.23%	-$ 45	-$ 4	$ -
Customer 39		1,419,972	1,419,972	1.22%	-$ 45	-$ 4	$ -
Customer 40		6,283,197	6,283,197	5.39%	-$ 198	-$ 16	$ -
Customer 41		1,798,580	1,798,580	1.54%	-$ 57	-$ 5	$ -
Customer 42		2,175,504	2,175,504	1.87%	-$ 68	-$ 6	$ -
Customer 43		1,732,680	1,732,680	1.49%	-$ 55	-$ 5	$ -
Total		116,517,739	116,517,739	100.00%	-$ 3,666	-$ 306	$ -

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No input required. The purpose of this tab is to calculate the CBR rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1580, sub-account CBR Class B balance accumulated.

The year Account 1580 CBR Class B was last disposed | **2017**

		Total Metered 2018 Consumption Minus WMP		Total Metered 2018 Consumption for Full Year Class A Customers		Total Metered 2018 Consumption for Transition Customers		Metered Consumption for Current Class B Customers (Total Consumption LESS WMP, Class A and Transition Customers' Consumption)		% of total kWh	Total CBR Class B $ allocated to Current Class B Customers	CBR Class B Rate Rider	Unit
		kWh	kW	kWh	kW	kWh	kW	kWh	kW				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	2,783,708,695	0	0	0	0	0	2,783,708,695	0	38.9%	($87,588)	$0.0000	kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	1,049,615,664	0	0	0	0	0	1,049,615,664	0	14.7%	($33,026)	$0.0000	kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	4,649,565,528	12,111,779	1,145,404,358	2,328,059	237,589,455	581,064	3,266,571,715	9,202,656	45.6%	($102,781)	$0.0000	kW
LARGE USE SERVICE CLASSIFICATION	kW	53,218,181	102,871	53,218,181	102,871	0	0	0	(0)	0.0%	$0	$0.0000	kW
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0	0.0%	$0	$0.0000	kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	13,830,788	0	0	0	0	0	13,830,788	0	0.2%	($435)	$0.0000	kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	286,384	796	0	0	0	0	286,384	796	0.0%	($9)	$0.0000	kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	48,883,953	134,151	0	0	0	0	48,883,953	134,151	0.7%	($1,538)	$0.0000	kW
Total		8,599,109,193	12,349,597	1,198,622,538	2,430,931	237,589,455	581,064	7,162,897,199	9,337,603	100.0%	($225,377)	$0.0000	

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Input required at cells C13 and C14. This workshseet calculates rate riders related to the Deferral/Variance Account Disposition (if applicable) and rate riders for Account 1568. Rate Riders will not be generated for the microFIT class.

Default Rate Rider Recovery Period (in months)	**12**	
DVA Proposed Rate Rider Recovery Period (in months)	**12**	Rate Rider Recovery to be used below
LRAM Proposed Rate Rider Recovery Period (in months)	**12**	Rate Rider Recovery to be used below

Rate Class	Unit	Total Metered kWh	Metered kW or kVA	Total Metered kWh less WMP consumption	Total Metered kW less WMP consumption	Allocation of Group 1 Account Balances to All Classes [2]	Allocation of Group 1 Account Balances to Non-WMP Classes Only (If Applicable) [2]	Deferral/Variance Account Rate Rider [2]	Deferral/Variance Account Rate Rider for Non-WMP (if applicable) [2]	Account 1568 Rate Rider	Revenue Reconcilation [1]
RESIDENTIAL SERVICE CLASSIFICATION	kWh	2,783,708,695	0	2,783,708,695	0	(2,106,889)		(0.0008)	0.0000	0.0007	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	1,049,615,664	0	1,049,615,664	0	(715,479)		(0.0007)	0.0000	0.0002	
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	4,679,965,944	12,192,876	4,649,565,528	12,111,779	(310,675)	(2,738,839)	(0.0255)	(0.2261)	0.0765	
LARGE USE SERVICE CLASSIFICATION	kW	53,218,181	102,871	53,218,181	102,871	(34,881)		(0.3391)	0.0000	0.0353	
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0		0.0000	0.0000	0.0000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	13,830,788	0	13,830,788	0	(9,065)		(0.0007)	0.0000	0.0000	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	286,384	796	286,384	796	(188)		(0.2358)	0.0000	0.0000	
STREET LIGHTING SERVICE CLASSIFICATION	kW	48,883,953	134,151	48,883,953	134,151	(32,040)		(0.2388)	0.0000	(0.4112)	
											(6,087,877.55)

[1] When calculating the revenue reconciliation for distributors with Class A customers, the balances of sub-account 1580-CBR Class B will not be taken into consideration if there are Class A customers since the rate riders, if any, are calculated separately.

[2] Only for rate classes with WMP customers are the Deferral/Variance Account Rate Riders for Non-WMP (column H and J) calculated separately. For all rate classes without WMP customers, balances in account 1580 and 1588 are included in column G and disposed through a combined Deferral/Variance Account and Rate Rider.

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Summary - Sharing of Tax Change Forecast Amounts

	2017	2020
OEB-Approved Rate Base	$ -	$ -
OEB-Approved Regulatory Taxable Income	$ -	$ -
Federal General Rate		15.0%
Federal Small Business Rate		9.0%
Federal Small Business Rate (calculated effective rate)[1,2]		9.0%
Ontario General Rate		11.5%
Ontario Small Business Rate		3.5%
Ontario Small Business Rate (calculated effective rate)[1,2]		3.5%
Federal Small Business Limit		$ 500,000
Ontario Small Business Limit		$ 500,000
Federal Taxes Payable		$ -
Provincial Taxes Payable		$ -
Federal Effective Tax Rate		0.0%
Provincial Effective Tax Rate		0.0%
Combined Effective Tax Rate	0.0%	0.0%
Total Income Taxes Payable	$ -	$ -
OEB-Approved Total Tax Credits (enter as positive number)	$ -	$ -
Income Tax Provision	$ -	$ -
Grossed-up Income Taxes	$ -	$ -
Incremental Grossed-up Tax Amount		$ -
Sharing of Tax Amount (50%)		**$ -**

Notes

1. Regarding the small business deduction, if applicable,
   a. If taxable capital exceeds $15 million, the small business rate will not be applicable.
   b. If taxable capital is below $10 million, the small business rate would be applicable.
   c. If taxable capital is between $10 million and $15 million, the appropriate small business rate will be calculated.

2. The OEB's proxy for taxable capital is rate base.

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Calculation of Rebased Revenue Requirement and Allocation of Tax Sharing Amount. Enter data from the last OEB-Approved Cost of Service application in columns C through H.

As per Chapter 3 Filing Requirements, shared tax rate riders are based on a 1 year disposition.

Rate Class		Re-based Billed Customers or Connections	Re-based Billed kWh	Re-based Billed kW	Re-based Service Charge	Re-based Distribution Volumetric Rate kWh	Re-based Distribution Volumetric Rate kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Revenue Requirement from Rates	Service Charge % Revenue	Distribution Volumetric Rate % Revenue kWh	Distribution Volumetric Rate % Revenue kW	Total % Revenue
RESIDENTIAL SERVICE CLASSIFICATION	kWh	331,461	2,689,802,037	0	18.51	0.0130		73,624,099	34,967,426	0	108,591,525	67.8%	32.2%	0.0%	53.8%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	32,775	1,031,991,524	0	28.74	0.0183		11,303,471	18,885,445	0	30,188,916	37.4%	62.6%	0.0%	15.0%
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	5,081	4,566,530,904	12,192,632	140.97		4.2037	8,594,518	0	51,254,165	59,848,683	14.4%	0.0%	85.6%	29.7%
LARGE USE SERVICE CLASSIFICATION	kW	2	75,964,677	149,679	6073.68		2.2421	145,768	0	335,595	481,364	30.3%	0.0%	69.7%	0.2%
STANDBY POWER SERVICE CLASSIFICATION	kW						2.8081	0	0	0	0	0.0%	0.0%	0.0%	0.0%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	3,044	14,542,413		8.60	0.0195		314,098	283,577	0	597,675	52.6%	47.4%	0.0%	0.3%
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	207	377,900	975	4.19		9.8694	10,408	0	9,621	20,029	52.0%	0.0%	48.0%	0.0%
STREET LIGHTING SERVICE CLASSIFICATION	kW	89,729	45,603,291	127,503	1.19		6.3222	1,281,327	0	806,099	2,087,425	61.4%	0.0%	38.6%	1.0%
Total		462,298	8,424,812,745	12,470,788				95,273,688	54,136,448	52,405,480	201,815,616				100.0%

Rate Class		Total kWh (most recent RRR filing)	Total kW (most recent RRR filing)	Allocation of Tax Savings by Rate Class	Distribution Rate Rider	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	2,783,708,695		0	0.00	$/customer
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	1,049,615,664		0	0.0000	kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	4,679,965,944	12,192,876	0	0.0000	kW
LARGE USE SERVICE CLASSIFICATION	kW	53,218,181	102,871	0	0.0000	kW
STANDBY POWER SERVICE CLASSIFICATION	kW			0	0.0000	kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	13,830,788		0	0.0000	kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	286,384	796	0	0.0000	kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	48,883,953	134,151	0	0.0000	kW
Total		8,629,509,609	12,430,694	$0		

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Columns E and F have been populated with data from the most recent RRR filing. Rate classes that have more than one Network or Connection charge will notice that the cells are highlighted in green and unlocked.
If the data needs to be modified, please make the necessary adjustments and note the changes in your manager's summary. As well, the Loss Factor has been imported from Tab 2.

Rate Class	Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor	Loss Adjusted Billed kWh
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0073	2,783,708,695	0	1.0369	2,886,427,546
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0040	2,783,708,695	0	1.0369	2,886,427,546
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0065	1,049,615,664	0	1.0369	1,088,346,482
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0035	1,049,615,664	0	1.0369	1,088,346,482
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.6130	2,132,030,326	5,938,471		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.3338	2,132,030,326	5,938,471		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate – Interval Metered	$/kW	2.7391	2,547,935,618	6,254,404		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate – Interval Meterec	$/kW	1.4431	2,547,935,618	6,254,404		
Large Use Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	3.1569	53,218,181	102,871		
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.3931	53,218,181	102,871		
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0062	13,830,788	0	1.0369	14,341,144
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0037	13,830,788	0	1.0369	14,341,144
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.0304	286,384	796		
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	0.9868	286,384	796		
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.6275	48,883,953	134,151		
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.4291	48,883,953	134,151		

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Uniform Transmission Rates	Unit	2018	2019 (Jan 1 - June 30)	2019 (July 1 - Dec 31)	2020
Rate Description		**Rate**	**Rate**	**Rate**	**Rate**
Network Service Rate	kW	$ 3.61	$ 3.71	$ 3.83	$ 3.83
Line Connection Service Rate	kW	$ 0.95	$ 0.94	$ 0.96	$ 0.96
Transformation Connection Service Rate	kW	$ 2.34	$ 2.25	$ 2.30	$ 2.30

Hydro One Sub-Transmission Rates	Unit	2018	2019 (Jan 1 - June 30)	2019 (July 1 - Dec 31)	2020
Rate Description		**Rate**	**Rate**	**Rate**	**Rate**
Network Service Rate	kW	$ 3.1942	$ 3.1942	$ 3.2915	$ 3.2915
Line Connection Service Rate	kW	$ 0.7710	$ 0.7710	$ 0.7877	$ 0.7877
Transformation Connection Service Rate	kW	$ 1.7493	$ 1.7493	$ 1.9755	$ 1.9755
Both Line and Transformation Connection Service Rate	kW	$ 2.5203	$ 2.5203	$ 2.7632	$ 2.7632

If needed, add extra host here. (I)	Unit	2018	2019		2020
Rate Description		**Rate**	**Rate**		**Rate**
Network Service Rate	kW				
Line Connection Service Rate	kW				
Transformation Connection Service Rate	kW				
Both Line and Transformation Connection Service Rate	kW	$ -	$ -		$ -

If needed, add extra host here. (II)	Unit	2018	2019		2020
Rate Description		**Rate**	**Rate**		**Rate**
Network Service Rate	kW				
Line Connection Service Rate	kW				
Transformation Connection Service Rate	kW				
Both Line and Transformation Connection Service Rate	kW	$ -	$ -		$ -

		Historical 2018	Current 2019		Forecast 2020
Low Voltage Switchgear Credit (if applicable, enter as a negative value)	$				

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Tab 10. For Hydro One Sub-transmission Rates, if you are charged a combined Line and Transformer connection rate, please ensure that both the Line Connection and Transformation Connection columns are completed.
If any of the Hydro One Sub-transmission rates (column E, I and M) are highlighted in red, please double check the billing data entered in "Units Billed" and "Amount" columns. The highlighted rates do not match the Hydro One Sub-transmission rates approved for that time period. If data has been entered correctly, please provide explanation for the discrepancy in rates.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	1,124,526	$3.61	$ 4,059,539	1,230,273	$0.95	$ 1,168,759	340,030	$2.34	$ 795,670	$ 1,964,430
February	1,049,890	$3.61	$ 3,790,103	1,143,993	$0.95	$ 1,086,793	330,690	$2.34	$ 773,815	$ 1,860,608
March	999,211	$3.61	$ 3,607,152	1,084,525	$0.95	$ 1,030,299	323,280	$2.34	$ 756,475	$ 1,786,774
April	1,023,691	$3.61	$ 3,695,525	1,147,143	$0.95	$ 1,089,786	336,247	$2.34	$ 786,818	$ 1,876,604
May	1,332,299	$3.61	$ 4,809,599	1,469,228	$0.95	$ 1,395,767	412,295	$2.34	$ 964,770	$ 2,360,537
June	1,440,995	$3.61	$ 5,201,992	1,580,394	$0.95	$ 1,501,374	435,990	$2.34	$ 1,020,217	$ 2,521,591
July	1,604,064	$3.61	$ 5,790,672	1,660,687	$0.95	$ 1,577,653	462,014	$2.34	$ 1,081,112	$ 2,658,765
August	1,487,366	$3.61	$ 5,369,393	1,587,636	$0.95	$ 1,508,254	438,288	$2.34	$ 1,025,593	$ 2,533,847
September	1,586,317	$3.61	$ 5,726,603	1,665,140	$0.95	$ 1,581,883	443,078	$2.34	$ 1,036,802	$ 2,618,685
October	1,077,073	$3.61	$ 3,888,234	1,194,675	$0.95	$ 1,134,941	336,337	$2.34	$ 787,029	$ 1,921,970
November	1,098,920	$3.61	$ 3,967,100	1,170,194	$0.95	$ 1,111,685	341,276	$2.34	$ 798,587	$ 1,910,272
December	1,078,458	$3.61	$ 3,893,235	1,193,776	$0.95	$ 1,134,087	324,163	$2.34	$ 758,541	$ 1,892,628
Total	14,902,810	$ 3.61	$ 53,799,145	16,127,665	$ 0.95	$ 15,321,282	4,523,687	$ 2.34	$ 10,585,428	$ 25,906,710

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	231,845	$3.1942	$ 740,561	233,091	$0.7710	$ 179,713	233,091	$1.7493	$ 407,747	$ 587,460
February	227,573	$3.1942	$ 726,914	227,583	$0.7710	$ 175,467	227,583	$1.7493	$ 398,111	$ 573,578
March	203,247	$3.1942	$ 649,210	206,369	$0.7710	$ 159,110	206,369	$1.7493	$ 361,001	$ 520,111
April	193,856	$3.1942	$ 619,214	198,924	$0.7710	$ 153,370	198,924	$1.7493	$ 347,977	$ 501,347
May	257,607	$3.1942	$ 822,849	257,607	$0.7710	$ 198,615	257,607	$1.7493	$ 450,632	$ 649,248
June	263,625	$3.1942	$ 842,071	266,287	$0.7710	$ 205,307	266,287	$1.7493	$ 465,816	$ 671,123
July	281,868	$3.1942	$ 900,344	288,858	$0.7710	$ 222,709	288,858	$1.7493	$ 505,299	$ 728,008
August	260,172	$3.1942	$ 831,040	260,883	$0.7710	$ 201,141	260,883	$1.7493	$ 456,362	$ 657,503
September	274,369	$3.1942	$ 876,390	274,775	$0.7710	$ 211,851	274,775	$1.7493	$ 480,663	$ 692,515
October	193,280	$3.1942	$ 617,375	195,707	$0.7710	$ 150,890	195,707	$1.7493	$ 342,350	$ 493,239
November	201,097	$3.1942	$ 642,344	202,081	$0.7710	$ 155,804	202,081	$1.7493	$ 353,500	$ 509,304
December	200,973	$3.1942	$ 641,947	201,433	$0.7710	$ 155,305	201,433	$1.7493	$ 352,366	$ 507,671
Total	2,789,512	$ 3.1942	$ 8,910,258	2,813,596	$ 0.7710	$ 2,169,283	2,813,596	$ 1.7493	$ 4,921,824	$ 7,091,106

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	1,356,371	$ 3.5389	$ 4,800,100	1,463,364	$ 0.9215	$ 1,348,473	573,121	$ 2.0998	$ 1,203,417	$ 2,551,890
February	1,277,463	$ 3.5359	$ 4,517,017	1,371,576	$ 0.9203	$ 1,262,260	558,273	$ 2.0992	$ 1,171,926	$ 2,434,186
March	1,202,458	$ 3.5397	$ 4,256,362	1,290,894	$ 0.9214	$ 1,189,409	529,649	$ 2.1098	$ 1,117,476	$ 2,306,885
April	1,217,547	$ 3.5438	$ 4,314,738	1,346,067	$ 0.9235	$ 1,243,156	535,171	$ 2.1204	$ 1,134,795	$ 2,377,951
May	1,589,906	$ 3.5426	$ 5,632,449	1,726,835	$ 0.9233	$ 1,594,382	669,902	$ 2.1128	$ 1,415,403	$ 3,009,785
June	1,704,620	$ 3.5457	$ 6,044,063	1,846,681	$ 0.9242	$ 1,706,681	702,277	$ 2.1160	$ 1,486,032	$ 3,192,714
July	1,885,933	$ 3.5479	$ 6,691,016	1,949,545	$ 0.9235	$ 1,800,362	750,872	$ 2.1128	$ 1,586,411	$ 3,386,774
August	1,747,538	$ 3.5481	$ 6,200,433	1,848,519	$ 0.9247	$ 1,709,395	699,170	$ 2.1196	$ 1,481,955	$ 3,191,350
September	1,860,686	$ 3.5487	$ 6,602,992	1,939,915	$ 0.9246	$ 1,793,734	717,852	$ 2.1139	$ 1,517,465	$ 3,311,199
October	1,270,353	$ 3.5467	$ 4,505,608	1,390,382	$ 0.9248	$ 1,285,831	532,044	$ 2.1227	$ 1,129,378	$ 2,415,209
November	1,300,017	$ 3.5457	$ 4,609,444	1,372,275	$ 0.9236	$ 1,267,489	543,357	$ 2.1203	$ 1,152,087	$ 2,419,576
December	1,279,431	$ 3.5447	$ 4,535,181	1,395,209	$ 0.9242	$ 1,289,392	525,595	$ 2.1136	$ 1,110,907	$ 2,400,299
Total	17,692,322	$ 3.54	$ 62,709,404	18,941,262	$ 0.92	$ 17,490,565	7,337,283	$ 2.11	$ 15,507,252	$ 32,997,816

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 32,997,816

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Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The purpose of this sheet is to calculate the expected billing when current 2019 Uniform Transmission Rates are applied against historical 2018 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	1,124,526	$ 3.7100	$ 4,171,991	1,230,273	$ 0.9400	$ 1,156,457	340,030	$ 2.2500	$ 765,068	$ 1,921,524
February	1,049,890	$ 3.7100	$ 3,895,092	1,143,993	$ 0.9400	$ 1,075,353	330,690	$ 2.2500	$ 744,053	$ 1,819,406
March	999,211	$ 3.7100	$ 3,707,073	1,084,525	$ 0.9400	$ 1,019,454	323,280	$ 2.2500	$ 727,380	$ 1,746,834
April	1,023,691	$ 3.7100	$ 3,797,894	1,147,143	$ 0.9400	$ 1,078,314	336,247	$ 2.2500	$ 756,556	$ 1,834,870
May	1,332,299	$ 3.7100	$ 4,942,829	1,469,228	$ 0.9400	$ 1,381,074	412,295	$ 2.2500	$ 927,664	$ 2,308,738
June	1,440,995	$ 3.7100	$ 5,346,091	1,580,394	$ 0.9400	$ 1,485,570	435,990	$ 2.2500	$ 980,978	$ 2,466,548
July	1,604,064	$ 3.8300	$ 6,143,566	1,660,687	$ 0.9600	$ 1,594,260	462,014	$ 2.3000	$ 1,062,632	$ 2,656,891
August	1,487,366	$ 3.8300	$ 5,696,613	1,587,636	$ 0.9600	$ 1,524,131	438,288	$ 2.3000	$ 1,008,061	$ 2,532,192
September	1,586,317	$ 3.8300	$ 6,075,592	1,665,140	$ 0.9600	$ 1,598,535	443,078	$ 2.3000	$ 1,019,079	$ 2,617,613
October	1,077,073	$ 3.8300	$ 4,125,190	1,194,675	$ 0.9600	$ 1,146,888	336,337	$ 2.3000	$ 773,575	$ 1,920,463
November	1,098,920	$ 3.8300	$ 4,208,863	1,170,194	$ 0.9600	$ 1,123,387	341,276	$ 2.3000	$ 784,936	$ 1,908,322
December	1,078,458	$ 3.8300	$ 4,130,495	1,193,776	$ 0.9600	$ 1,146,025	324,163	$ 2.3000	$ 745,574	$ 1,891,599
Total	14,902,810	$ 3.77	$ 56,241,290	16,127,665	$ 0.95	$ 15,329,448	4,523,687	$ 2.28	$ 10,295,554	$ 25,625,001

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	231,845	$ 3.1942	$ 740,561	233,091	$ 0.7710	$ 179,713	233,091	$ 1.7493	$ 407,747	$ 587,460
February	227,573	$ 3.1942	$ 726,914	227,583	$ 0.7710	$ 175,467	227,583	$ 1.7493	$ 398,111	$ 573,578
March	203,247	$ 3.1942	$ 649,210	206,369	$ 0.7710	$ 159,110	206,369	$ 1.7493	$ 361,001	$ 520,111
April	193,856	$ 3.1942	$ 619,214	198,924	$ 0.7710	$ 153,370	198,924	$ 1.7493	$ 347,977	$ 501,347
May	257,607	$ 3.1942	$ 822,849	257,607	$ 0.7710	$ 198,615	257,607	$ 1.7493	$ 450,632	$ 649,248
June	263,625	$ 3.1942	$ 842,071	266,287	$ 0.7710	$ 205,307	266,287	$ 1.7493	$ 465,816	$ 671,123
July	281,868	$ 3.2915	$ 927,770	288,858	$ 0.7877	$ 227,533	288,858	$ 1.9755	$ 570,639	$ 798,172
August	260,172	$ 3.2915	$ 856,355	260,883	$ 0.7877	$ 205,497	260,883	$ 1.9755	$ 515,374	$ 720,871
September	274,369	$ 3.2915	$ 903,086	274,775	$ 0.7877	$ 216,440	274,775	$ 1.9755	$ 542,817	$ 759,257
October	193,280	$ 3.2915	$ 636,181	195,707	$ 0.7877	$ 154,158	195,707	$ 1.9755	$ 386,618	$ 540,776
November	201,097	$ 3.2915	$ 661,910	202,081	$ 0.7877	$ 159,179	202,081	$ 1.9755	$ 399,211	$ 558,390
December	200,973	$ 3.2915	$ 661,501	201,433	$ 0.7877	$ 158,669	201,433	$ 1.9755	$ 397,930	$ 556,599
Total	2,789,512	$ 3.24	$ 9,047,623	2,813,596	$ 0.78	$ 2,193,059	2,813,596	$ 1.86	$ 5,243,873	$ 7,436,932

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	1,356,371	$ 3.6218	$ 4,912,552	1,463,364	$ 0.9131	$ 1,336,170	573,121	$ 2.0464	$ 1,172,814	$ 2,508,984
February	1,277,463	$ 3.6181	$ 4,622,006	1,371,576	$ 0.9120	$ 1,250,820	558,273	$ 2.0459	$ 1,142,164	$ 2,392,984
March	1,202,458	$ 3.6228	$ 4,356,283	1,290,894	$ 0.9130	$ 1,178,564	529,649	$ 2.0549	$ 1,088,381	$ 2,266,945
April	1,217,547	$ 3.6279	$ 4,417,107	1,346,067	$ 0.9150	$ 1,231,684	535,171	$ 2.0639	$ 1,104,533	$ 2,336,217
May	1,589,906	$ 3.6264	$ 5,765,679	1,726,835	$ 0.9148	$ 1,579,690	669,902	$ 2.0575	$ 1,378,296	$ 2,957,986
June	1,704,620	$ 3.6302	$ 6,188,162	1,846,681	$ 0.9156	$ 1,690,877	702,277	$ 2.0601	$ 1,446,793	$ 3,137,670
July	1,885,933	$ 3.7495	$ 7,071,336	1,949,545	$ 0.9345	$ 1,821,793	750,872	$ 2.1752	$ 1,633,270	$ 3,455,064
August	1,747,538	$ 3.7498	$ 6,552,968	1,848,519	$ 0.9357	$ 1,729,628	699,170	$ 2.1789	$ 1,523,435	$ 3,253,063
September	1,860,686	$ 3.7506	$ 6,978,678	1,939,915	$ 0.9356	$ 1,814,975	717,852	$ 2.1758	$ 1,561,896	$ 3,376,871
October	1,270,353	$ 3.7481	$ 4,761,371	1,390,382	$ 0.9357	$ 1,301,046	532,044	$ 2.1806	$ 1,160,194	$ 2,461,240
November	1,300,017	$ 3.7467	$ 4,870,773	1,372,275	$ 0.9346	$ 1,282,566	543,357	$ 2.1793	$ 1,184,146	$ 2,466,712
December	1,279,431	$ 3.7454	$ 4,791,997	1,395,209	$ 0.9351	$ 1,304,694	525,595	$ 2.1756	$ 1,143,504	$ 2,448,198
Total	17,692,322	$ 3.69	$ 65,288,913	18,941,262	$ 0.93	$ 17,522,507	7,337,283	$ 2.12	$ 15,539,427	$ 33,061,933

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 33,061,933

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The purpose of this sheet is to calculate the expected billing when forecasted 2019 Uniform Transmission Rates are applied against historical 2018 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	1,124,526	$ 3.8300	$ 4,306,935	1,230,273	$ 0.9600	$ 1,181,062	340,030	$ 2.3000	$ 782,069	$ 1,963,131
February	1,049,890	$ 3.8300	$ 4,021,079	1,143,993	$ 0.9600	$ 1,098,233	330,690	$ 2.3000	$ 760,587	$ 1,858,820
March	999,211	$ 3.8300	$ 3,826,978	1,084,525	$ 0.9600	$ 1,041,144	323,280	$ 2.3000	$ 743,544	$ 1,784,688
April	1,023,691	$ 3.8300	$ 3,920,737	1,147,143	$ 0.9600	$ 1,101,257	336,247	$ 2.3000	$ 773,368	$ 1,874,625
May	1,332,299	$ 3.8300	$ 5,102,705	1,469,228	$ 0.9600	$ 1,410,459	412,295	$ 2.3000	$ 948,279	$ 2,358,737
June	1,440,995	$ 3.8300	$ 5,519,011	1,580,394	$ 0.9600	$ 1,517,178	435,990	$ 2.3000	$ 1,002,777	$ 2,519,955
July	1,604,064	$ 3.8300	$ 6,143,566	1,660,687	$ 0.9600	$ 1,594,260	462,014	$ 2.3000	$ 1,062,632	$ 2,656,891
August	1,487,366	$ 3.8300	$ 5,696,613	1,587,636	$ 0.9600	$ 1,524,131	438,288	$ 2.3000	$ 1,008,061	$ 2,532,192
September	1,586,317	$ 3.8300	$ 6,075,592	1,665,140	$ 0.9600	$ 1,598,535	443,078	$ 2.3000	$ 1,019,079	$ 2,617,613
October	1,077,073	$ 3.8300	$ 4,125,190	1,194,675	$ 0.9600	$ 1,146,888	336,337	$ 2.3000	$ 773,575	$ 1,920,463
November	1,098,920	$ 3.8300	$ 4,208,863	1,170,194	$ 0.9600	$ 1,123,387	341,276	$ 2.3000	$ 784,936	$ 1,908,322
December	1,078,458	$ 3.8300	$ 4,130,495	1,193,776	$ 0.9600	$ 1,146,025	324,163	$ 2.3000	$ 745,574	$ 1,891,599
Total	14,902,810	$ 3.83	$ 57,077,764	16,127,665	$ 0.96	$ 15,482,559	4,523,687	$ 2.30	$ 10,404,480	$ 25,887,039

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	231,845	$ 3.2915	$ 763,119	233,091	$ 0.7877	$ 183,606	233,091	$ 1.9755	$ 460,472	$ 644,078
February	227,573	$ 3.2915	$ 749,057	227,583	$ 0.7877	$ 179,267	227,583	$ 1.9755	$ 449,590	$ 628,858
March	203,247	$ 3.2915	$ 668,986	206,369	$ 0.7877	$ 162,557	206,369	$ 1.9755	$ 407,681	$ 570,238
April	193,856	$ 3.2915	$ 638,076	198,924	$ 0.7877	$ 156,692	198,924	$ 1.9755	$ 392,973	$ 549,666
May	257,607	$ 3.2915	$ 847,914	257,607	$ 0.7877	$ 202,917	257,607	$ 1.9755	$ 508,903	$ 711,820
June	263,625	$ 3.2915	$ 867,722	266,287	$ 0.7877	$ 209,754	266,287	$ 1.9755	$ 526,050	$ 735,804
July	281,868	$ 3.2915	$ 927,770	288,858	$ 0.7877	$ 227,533	288,858	$ 1.9755	$ 570,639	$ 798,172
August	260,172	$ 3.2915	$ 856,355	260,883	$ 0.7877	$ 205,497	260,883	$ 1.9755	$ 515,374	$ 720,871
September	274,369	$ 3.2915	$ 903,086	274,775	$ 0.7877	$ 216,440	274,775	$ 1.9755	$ 542,817	$ 759,257
October	193,280	$ 3.2915	$ 636,181	195,707	$ 0.7877	$ 154,158	195,707	$ 1.9755	$ 386,618	$ 540,776
November	201,097	$ 3.2915	$ 661,910	202,081	$ 0.7877	$ 159,179	202,081	$ 1.9755	$ 399,211	$ 558,390
December	200,973	$ 3.2915	$ 661,501	201,433	$ 0.7877	$ 158,669	201,433	$ 1.9755	$ 397,930	$ 556,599
Total	2,789,512	$ 3.29	$ 9,181,678	2,813,596	$ 0.79	$ 2,216,270	2,813,596	$ 1.98	$ 5,558,259	$ 7,774,529

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

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

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	1,356,371	$ 3.74	$ 5,070,054	1,463,364	$ 0.93	$ 1,364,668	573,121	$ 2.17	$ 1,242,541	$ 2,607,209
February	1,277,463	$ 3.73	$ 4,770,136	1,371,576	$ 0.93	$ 1,277,501	558,273	$ 2.17	$ 1,210,177	$ 2,487,678
March	1,202,458	$ 3.74	$ 4,495,964	1,290,894	$ 0.93	$ 1,203,701	529,649	$ 2.17	$ 1,151,225	$ 2,354,926
April	1,217,547	$ 3.74	$ 4,558,812	1,346,067	$ 0.93	$ 1,257,949	535,171	$ 2.18	$ 1,166,342	$ 2,424,291
May	1,589,906	$ 3.74	$ 5,950,620	1,726,835	$ 0.93	$ 1,613,376	669,902	$ 2.18	$ 1,457,182	$ 3,070,558
June	1,704,620	$ 3.75	$ 6,386,733	1,846,681	$ 0.94	$ 1,726,932	702,277	$ 2.18	$ 1,528,827	$ 3,255,759
July	1,885,933	$ 3.75	$ 7,071,336	1,949,545	$ 0.93	$ 1,821,793	750,872	$ 2.18	$ 1,633,270	$ 3,455,064
August	1,747,538	$ 3.75	$ 6,552,968	1,848,519	$ 0.94	$ 1,729,628	699,170	$ 2.18	$ 1,523,435	$ 3,253,063
September	1,860,686	$ 3.75	$ 6,978,678	1,939,915	$ 0.94	$ 1,814,975	717,852	$ 2.18	$ 1,561,896	$ 3,376,871
October	1,270,353	$ 3.75	$ 4,761,371	1,390,382	$ 0.94	$ 1,301,046	532,044	$ 2.18	$ 1,160,194	$ 2,461,240
November	1,300,017	$ 3.75	$ 4,870,773	1,372,275	$ 0.93	$ 1,282,566	543,357	$ 2.18	$ 1,184,146	$ 2,466,712
December	1,279,431	$ 3.75	$ 4,791,997	1,395,209	$ 0.94	$ 1,304,694	525,595	$ 2.18	$ 1,143,504	$ 2,448,198
Total	17,692,322	$ 3.75	$ 66,259,441	18,941,262	$ 0.93	$ 17,698,828	7,337,283	$ 2.18	$ 15,962,740	$ 33,661,568

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 33,661,568

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

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

Rate Class	Rate Description	Unit	Current RTSR-Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0073	2,886,427,546	0	21,070,921	34.2%	22,346,681	0.0077
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0065	1,088,346,482	0	7,074,252	11.5%	7,502,570	0.0069
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.6130		5,938,471	15,517,226	25.2%	16,456,732	2.7712
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate – Interval Metered	$/kW	2.7391		6,254,404	17,131,438	27.8%	18,168,678	2.9049
Large Use Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	3.1569		102,871	324,753	0.5%	344,416	3.3480
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0062	14,341,144	0	88,915	0.1%	94,299	0.0066
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.0304		796	1,616	0.0%	1,714	2.1533
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.6275		134,151	352,482	0.6%	373,823	2.7866

The purpose of this table is to re-align the current RTS Connection Rates to recover current wholesale connection costs.

Rate Class	Rate Description	Unit	Current RTSR-Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR-Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0040	2,886,427,546	0	11,545,710	35.3%	11,676,980	0.0040
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0035	1,088,346,482	0	3,809,213	11.7%	3,852,522	0.0035
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.3338		5,938,471	7,920,733	24.2%	8,010,789	1.3490
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate – Interval Metered	$/kW	1.4431		6,254,404	9,025,731	27.6%	9,128,349	1.4595
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.3931		102,871	143,310	0.4%	144,939	1.4089
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0037	14,341,144	0	53,062	0.2%	53,666	0.0037
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	0.9868		796	785	0.0%	794	0.9980
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.4291		134,151	191,715	0.6%	193,895	1.4453

The purpose of this table is to update the re-aligned RTS Network Rates to recover future wholesale network costs.

Rate Class	Rate Description	Unit	Adjusted RTSR-Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR-Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0077	2,886,427,546	0	22,346,681	34.2%	22,678,868	**0.0079**
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0069	1,088,346,482	0	7,502,570	11.5%	7,614,097	**0.0070**
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.7712		5,938,471	16,456,732	25.2%	16,701,364	**2.8124**
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate – Interval Metered	$/kW	2.9049		6,254,404	18,168,678	27.8%	18,438,758	**2.9481**
Large Use Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	3.3480		102,871	344,416	0.5%	349,536	**3.3978**
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	$/kWh	0.0066	14,341,144	0	94,299	0.1%	95,700	**0.0067**
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.1533		796	1,714	0.0%	1,740	**2.1853**
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	$/kW	2.7866		134,151	373,823	0.6%	379,380	**2.8280**

The purpose of this table is to update the re-aligned RTS Connection Rates to recover future wholesale connection costs.

Rate Class	Rate Description	Unit	Adjusted RTSR-Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR-Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0040	2,886,427,546	0	11,676,980	35.3%	11,888,762	**0.0041**
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0035	1,088,346,482	0	3,852,522	11.7%	3,922,394	**0.0036**
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.3490		5,938,471	8,010,789	24.2%	8,156,078	**1.3734**
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate – Interval Metered	$/kW	1.4595		6,254,404	9,128,349	27.6%	9,293,907	**1.4860**
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.4089		102,871	144,939	0.4%	147,568	**1.4345**
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0037	14,341,144	0	53,666	0.2%	54,639	**0.0038**
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	0.9980		796	794	0.0%	809	**1.0161**
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.4453		134,151	193,895	0.6%	197,412	**1.4716**

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

If applicable, please enter any adjustments related to the revenue to cost ratio model into columns C and E. The Price Escalator and Stretch Factor have been set at the 2018 values and will be updated by OEB staff at a later date.

Price Escalator	**1.20%**	**Productivity Factor**	**0.00%**	**# of Residential Customers (approved in the last CoS)**	331,461	**Effective Year of Residential Rate Design Transition (yyyy)**	2017
Choose Stretch Factor Group	III	**Price Cap Index**	**0.90%**	**Billed kWh for Residential Class (approved in the last CoS)**	2,689,802,037	**OEB-approved # of Transition Years**	4
Associated Stretch Factor Value	**0.30%**			**Rate Design Transition Years Left**	**1**		

Rate Class	Current MFC	MFC Adjustment from R/C Model	Current Volumetric Charge	DVR Adjustment from R/C Model	Price Cap Index to be Applied to MFC and DVR	Proposed MFC	Proposed Volumetric Charge
RESIDENTIAL SERVICE CLASSIFICATION	24.91		0.0045		0.90%	28.20	0.0000
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	29.35		0.0187		0.90%	29.61	0.0189
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	143.95		4.2924		0.90%	145.25	4.3310
LARGE USE SERVICE CLASSIFICATION	6201.88		2.2894		0.90%	6,257.70	2.3100
STANDBY POWER SERVICE CLASSIFICATION	0		2.8334		0.90%	0.00	2.8589
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	8.78		0.0199		0.90%	8.86	0.0201
SENTINEL LIGHTING SERVICE CLASSIFICATION	4.28		10.0777		0.90%	4.32	10.1684
STREET LIGHTING SERVICE CLASSIFICATION	1.21		6.4556		0.90%	1.22	6.5137
microFIT SERVICE CLASSIFICATION	5.4					5.4	

Rate Design Transition		Revenue from Rates	Current F/V Split	Decoupling MFC Split	Incremental Fixed Charge ($/month/year)	New F/V Split	Adjusted Rates[1]	Revenue at New F/V Split
Current Residential Fixed Rate (inclusive of R/C adj.)	24.9100	99,080,322	89.1%	10.9%	3.04	100.0%	27.95	111,172,019
Current Residential Variable Rate (inclusive of R/C adj.)	0.0045	12,104,109	10.9%			0.0%	0.0000	0
		111,184,431						111,172,019

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

Update the following rates if an OEB Decision has been issued at the time of completing this application

Regulatory Charges

Effective Date of Regulatory Charges		January 1, 2019	January 1, 2020
Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$/kWh	0.25	0.25

Time-of-Use RPP Prices

As of		May 1, 2019
Off-Peak	$/kWh	0.0650
Mid-Peak	$/kWh	0.0940
On-Peak	$/kWh	0.1340

Smart Meter Entity Charge (SME)

Smart Meter Entity Charge (SME)	$	0.57

Distribution Rate Protection (DRP) Amount (Applicable to LDCs under the Distribution Rate Protection program):	$	36.86

Miscellaneous Service Charges

Wireline Pole Attachment Charge	Unit	Current charge	Inflation factor *	Proposed charge ** / ***
Specific charge for access to the power poles - per pole/year	$	43.63	1.20%	44.15

Retail Service Charges		Current charge	Inflation factor*	Proposed charge ***
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	$	100.00	1.20%	101.20
Monthly fixed charge, per retailer	$	40.00	1.20%	40.48
Monthly variable charge, per customer, per retailer	$/cust.	1.00	1.20%	1.01
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.60	1.20%	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	(0.60)	1.20%	(0.61)
Service Transaction Requests (STR)				-
Request fee, per request, applied to the requesting party	$	0.50	1.20%	0.51
Processing fee, per request, applied to the requesting party	$	1.00	1.20%	1.01
Electronic Business Transaction (EBT) system, applied to the requesting party				
up to twice a year		no charge		no charge
more than twice a year, per request (plus incremental delivery costs)	$	4.00	1.20%	4.05
Notice of switch letter charge, per letter	$	2.00	1.20%	2.02

* inflation factor subject to change pending OEB approved inflation rate effective in 2020
** applicable only to LDCs in which the province-wide pole attachment charge applies
*** subject to change pending OEB order on miscellaneous service charges

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

In the Green Cells below, enter all proposed rate riders/rates. Please note that the following rates/charges are to be entered in the Final Tariff Schedule tab: Monthly Service Charge, Distribution Volumetric Rate and Retail Transmission Rates.
In column A, select the rate rider descriptions from the drop-down list in the blue cells. If the rate description cannot be found, enter the rate rider descriptions in the green cells. The rate rider description must begin with "Rate Rider for".
In column B, choose the associated unit from the drop-down menu.
In column C, enter the rate. All rate riders with a "$" unit should be rounded to 2 decimal places and all others rounded to 4 decimal places.
In column E, enter the expiry date (e.g. April 30, 2020) or description of the expiry date in text (e.g. the effective date of the next cost of service-based rate order).
In column G, a sub-total (A or B) should already be assigned to the rate rider unless the rate description was entered into a green cell in column A. In these particular cases, from the dropdown list in column G, choose the appropriate sub-total (A or B) . Sub-Total A refers to rates/rate riders that Not considered as pass through costs (eg: LRAMVA and ICM/ACM rate riders). Sub-Total B refers to rates/rate riders that are considered pass through costs.

RESIDENTIAL SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.27	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.28	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kWh	0.0002	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	1.40	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0416	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

LARGE USE SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	60.16	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0222	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

STANDBY POWER SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.09	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kWh	0.0002	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

SENTINEL LIGHTING SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.04	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kWh	0.0978	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

STREET LIGHTING SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
Rate Rider for Recovery of Incremental Capital	$	0.01	- effective until	next cost of service based rate order	A
Rate Rider for Recovery of Incremental Capital	$/kW	0.0626	- effective until	next cost of service based rate order	A
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

microFIT SERVICE CLASSIFICATION	UNIT	RATE		DATE (EG: April 30, 2020)	SUB-TOTAL
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

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PowerStream Rate Zone
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RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separately metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. Multi-unit residential establishments such as apartment buildings supplied through one service (bulk metered) shall be classified as general service. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	28.20
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.27
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.18
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.11
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Low Voltage Service Rate	$/kWh	0.0005
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0026)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0007
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kWh	(0.0008)
Retail Transmission Rate - Network Service Rate	$/kWh	0.0079
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0041

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
PowerStream Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
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GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	29.61
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.28
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.19
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.12
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Distribution Volumetric Rate	$/kWh	0.0189
Low Voltage Service Rate	$/kWh	0.0004
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0026)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kWh	(0.0007)
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kWh	0.0002
Retail Transmission Rate - Network Service Rate	$/kWh	0.0070
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0036

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
PowerStream Rate Zone
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This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

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GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW, both regular and interval metered. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	145.25
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	1.40
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.95
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.57
Distribution Volumetric Rate	$/kW	4.3310
Low Voltage Service Rate	$/kW	0.1589
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0026)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0765
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020 Applicable only for Non-Wholesale Market Participants	$/kW	(0.2261)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	(0.0255)
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0282

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Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0168
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0416
Retail Transmission Rate - Network Service Rate	$/kW	2.8124
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.3734
Retail Transmission Rate - Network Service Rate – Interval Metered	$/kW	2.9481
Retail Transmission Rate - Line and Transformation Connection Service Rate – Interval Metered	$/kW	1.4860

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
PowerStream Rate Zone
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LARGE USE SERVICE CLASSIFICATION

This classification refers to an account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	6,257.70
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	60.16
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	40.77
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	24.34
Distribution Volumetric Rate	$/kW	2.3100
Low Voltage Service Rate	$/kW	0.163
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0353
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	(0.3391)
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0151
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.009
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0222
Retail Transmission Rate - Network Service Rate	$/kW	3.3978

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Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.4345

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide back-up 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component - APPROVED ON AN INTERIM BASIS

Standby Charge – for a month where standby power is not provided. The charge is applied to the contracted amount (e.g. nameplate rating of generation facility).	$/kW	2.8589

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UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	8.86
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.09
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.06
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.03
Distribution Volumetric Rate	$/kWh	0.0201
Low Voltage Service Rate	$/kWh	0.0005
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0026)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kWh	(0.0007)
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kWh	0.0002
Retail Transmission Rate - Network Service Rate	$/kWh	0.0067
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0038

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to an unmetered lighting load supplied to a sentinel light. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per Connection)	$	4.32
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.04
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.03
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.02
Distribution Volumetric Rate	$/kW	10.1684
Low Voltage Service Rate	$/kW	0.117
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0025)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	(0.2358)
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0663
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0396
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kWh	0.0978
Retail Transmission Rate - Network Service Rate	$/kW	2.1853
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.0161

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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

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STREET LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per Connection)	$	1.22
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$	0.01
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.01
Distribution Volumetric Rate	$/kW	6.5137
Low Voltage Service Rate	$/kW	0.1288
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0026)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	(0.4112)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	(0.2388)
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0424
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0253
Rate Rider for Recovery of Incremental Capital - effective until next cost of service based rate order	$/kW	0.0626
Retail Transmission Rate - Network Service Rate	$/kW	2.8280
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.4716

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.003
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
PowerStream Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2019-0018

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment 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 & energy	%	-1

Alectra Utilities Corporation
PowerStream Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2019-0018

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

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

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

Customer Administration

Arrears certificate	$	15
Statement of account	$	15
Duplicate invoices for previous billing	$	15
Request for other billing information	$	15
Easement Letter	$	15
Income tax letter	$	15
Account history	$	15
Returned cheque (plus bank charges)	$	15
Legal letter charge	$	15
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	$	30
Special meter reads	$	30
Meter dispute charge plus Measurement Canada fees (if meter found correct)	$	30

Non-Payment of Account

Late payment - per month	%	1.5
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	$	30
Disconnect/reconnect at meter - during regular hours	$	65
Disconnect/reconnect at meter - after regular hours	$	185

Other

Install/remove load Control device - during regular hours	$	65
Install/remove load control device - after regular hours	$	185
Disconnect/reconnect at meter - during regular hours	$	65
Disconnect/reconnect at meter - after regular hours	$	185
Disconnect/reconnect at pole - during regular hours	$	185
Disconnect/reconnect at pole - after regular hours	$	415
Specific Charge for Access to the Power Poles - $/pole/year (with the exception of wireless attachments) - in effect from January 1, 2019	$	44.15
Temporary Service install and remove - overhead - no transformer	$	500

Alectra Utilities Corporation
PowerStream Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
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EB-2019-0018

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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

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

Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity.		
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	$	101.2
Monthly fixed charge, per retailer	$	40.48
Monthly variable charge, per customer, per retailer	$/cust.	1.01
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	-0.61
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.51
Processing fee, per request, applied to the requesting party	$	1.01
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)	$	4.05
Notice of switch letter charge, per letter	$	2.02

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	1.0369
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0266
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045

Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2020 Filers

The bill comparisons below must be provided for typical customers and consumption levels. Bill impacts must be provided for residential customers consuming 750 kWh per month and general service customers consuming 2,000 kWh per month and having a monthly demand of less than 50 kW. Include bill comparisons for Non-RPP (retailer) as well. **To assess the combined effects of the shift to fixed rates and other bill impacts associated with changes in the cost of distribution service, applicants are to include a total bill impact for a residential customer at the distributor's 10th consumption percentile (In other words, 10% of a distributor's residential customers consume at or less than this level of consumption on a monthly basis). Refer to section 3.2.3 of the Chapter 3 Filing Requirements For Electricity Distribution Rate Applications.**

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

Note:
1. For those classes that are not eligible for the RPP price, the weighted average price including Class B GA through end of May 2018 of $0.1117/kWh (IESO's Monthly Market Report for May 2018, page 22) has been used to represent the cost of power. For those classes on a retailer contract, applicants should enter the contract price (plus GA) for a more accurate estimate. Changes to the cost of power can be made directly on the bill impact table for the specific class.
2. Please enter the applicable billing determinant (e.g. number of connections or devices) to be applied to the monthly service charge for unmetered rate classes in column N. If the monthly service charge is applied on a per customer basis, enter the number "1". Distributors should provide the number of connections or devices reflective of a typical customer in each class.

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

Table 1

RATE CLASSES / CATEGORIES *(eg: Residential TOU, Residential Retailer)*	**Units**	**RPP? Non-RPP Retailer? Non-RPP Other?**	**Current Loss Factor** (eg: 1.0351)	**Proposed Loss Factor**	**Consumption (kWh)**	**Demand kW (if applicable)**	**RTSR Demand or Demand-Interval?**	**Billing Determinant Applied to Fixed Charge for Unmetered Classes (e.g. # of devices/connections).**
RESIDENTIAL SERVICE CLASSIFICATION	**kWh**	RPP	1.0369	1.0369	750		CONSUMPTION	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	**kWh**	RPP	1.0369	1.0369	2,000		CONSUMPTION	
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.0369	1.0369	80,000	250	DEMAND	
LARGE USE SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.0145	1.0145	2,800,000	7,350	DEMAND	
STANDBY POWER SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.0369	1.0369			DEMAND	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	**kWh**	RPP	1.0369	1.0369	150		CONSUMPTION	1
SENTINEL LIGHTING SERVICE CLASSIFICATION	**kW**	RPP	1.0369	1.0369	180	1	DEMAND	1
STREET LIGHTING SERVICE CLASSIFICATION	**kW**	Non-RPP (Other)	1.0369	1.0369	280	1	DEMAND	1
Add additional scenarios if required			1.0369	1.0369				
Add additional scenarios if required			1.0369	1.0369				
Add additional scenarios if required			1.0369	1.0369				
Add additional scenarios if required			1.0369	1.0369				
Add additional scenarios if required			1.0369	1.0369				
Add additional scenarios if required			1.0369	1.0369				
Add additional scenarios if required			1.0369	1.0369				
Add additional scenarios if required			1.0369	1.0369				
Add additional scenarios if required			1.0369	1.0369				
Add additional scenarios if required			1.0369	1.0369				

Add additional scenarios if required			1.0369	1.0369				

Table 2

RATE CLASSES / CATEGORIES *(eg: Residential TOU, Residential Retailer)*	Units	Sub-Total						Total	
		A		B		C		Total Bill	
		$	%	$	%	$	%	$	%
RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	$ 0.39	1.3%	$ 3.47	12.2%	$ 4.01	10.8%	$ 4.21	3.9%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION - RPP	kWh	$ (1.54)	-2.2%	$ 6.66	9.7%	$ 7.90	8.8%	$ 8.30	3.0%
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ (5.84)	-0.5%	$ (207.64)	-16.6%	$ (147.89)	-6.6%	$ (167.12)	-1.2%
LARGE USE SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 1,772.68	8.0%	$ 18,449.83	437.5%	$ 20,524.73	54.5%	$ 23,192.94	5.6%
STANDBY POWER SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - RPP	kWh	$ 0.33	2.8%	$ 0.93	8.0%	$ 1.02	7.8%	$ 1.16	3.9%
SENTINEL LIGHTING SERVICE CLASSIFICATION - RPP	kW	$ 0.88	6.3%	$ 2.38	18.5%	$ 2.56	16.2%	$ 2.89	8.1%
STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ (2.21)	-22.8%	$ (1.61)	-17.2%	$ (1.37)	-10.2%	$ (1.55)	-3.0%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0369	
Proposed/Approved Loss Factor	1.0369	

	Current OEB-Approved			Proposed			Impact		
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change	
Monthly Service Charge	$ 24.91	1	$ 24.91	$ 28.20	1	$ 28.20	$ 3.29	13.21%	
Distribution Volumetric Rate	$ 0.0045	750	$ 3.38	$ -	750	$ -	$ (3.38)	-100.00%	
Fixed Rate Riders	$ 0.31	1	$ 0.31	$ 0.56	1	$ 0.56	$ 0.25	80.65%	
Volumetric Rate Riders	$ 0.0004	750	$ 0.30	$ 0.0007	750	$ 0.53	$ 0.23	75.00%	
Sub-Total A (excluding pass through)			**$ 28.90**			**$ 29.29**	**$ 0.39**	**1.35%**	
Line Losses on Cost of Power	$ 0.0824	28	$ 2.28	$ 0.0824	28	$ 2.28	$ -	0.00%	
Total Deferral/Variance Account Rate Riders	-$ 0.0051	750	$ (3.83)	-$ 0.0008	750	$ (0.60)	$ 3.23	-84.31%	
CBR Class B Rate Riders	$ 0.0002	750	$ 0.15	$ -	750	$ -	$ (0.15)	-100.00%	
GA Rate Riders	$ -	750	$ -	$ -	750	$ -	$ -		
Low Voltage Service Charge	$ 0.0005	750	$ 0.38	$ 0.0005	750	$ 0.38	$ -	0.00%	
Smart Meter Entity Charge (if applicable)	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Volumetric Rate Riders		750	$ -	$ -	750	$ -	$ -		
Sub-Total B - Distribution (includes Sub-Total A)			**$ 28.44**			**$ 31.91**	**$ 3.47**	**12.18%**	
RTSR - Network	$ 0.0073	778	$ 5.68	$ 0.0079	778	$ 6.14	$ 0.47	8.22%	*In the manager's summary, discuss the reason*
RTSR - Connection and/or Line and Transformation Connection	$ 0.0040	778	$ 3.11	$ 0.0041	778	$ 3.19	$ 0.08	2.50%	
Sub-Total C - Delivery (including Sub-Total B)			**$ 37.23**			**$ 41.24**	**$ 4.01**	**10.77%**	
Wholesale Market Service Charge (WMSC)	$ 0.0034	778	$ 2.64	$ 0.0034	778	$ 2.64	$ -	0.00%	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	778	$ 0.39	$ 0.0005	778	$ 0.39	$ -	0.00%	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%	
TOU - Off Peak	$ 0.0650	488	$ 31.69	$ 0.0650	488	$ 31.69	$ -	0.00%	
TOU - Mid Peak	$ 0.0940	128	$ 11.99	$ 0.0940	128	$ 11.99	$ -	0.00%	
TOU - On Peak	$ 0.1340	135	$ 18.09	$ 0.1340	135	$ 18.09	$ -	0.00%	
Total Bill on TOU (before Taxes)			**$ 102.28**			**$ 106.29**	**$ 4.01**	**3.92%**	
HST	13%		$ 13.30	13%		$ 13.82	$ 0.52	3.92%	
8% Rebate	8%		$ (8.18)	8%		$ (8.50)	$ (0.32)		
Total Bill on TOU			**$ 107.39**			**$ 111.60**	**$ 4.21**	**3.92%**	

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	2,000	kWh
Demand	-	kW
Current Loss Factor	1.0369	
Proposed/Approved Loss Factor	1.0369	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 29.35	1	$ 29.35	$ 29.61	1	$ 29.61	$ 0.26	0.89%
Distribution Volumetric Rate	$ 0.0187	2000	$ 37.40	$ 0.0189	2000	$ 37.80	$ 0.40	1.07%
Fixed Rate Riders	$ 0.39	1	$ 0.39	$ 0.59	1	$ 0.59	$ 0.20	51.28%
Volumetric Rate Riders	$ 0.0018	2000	$ 3.60	$ 0.0006	2000	$ 1.20	$ (2.40)	-66.67%
Sub-Total A (excluding pass through)			**$ 70.74**			**$ 69.20**	**$ (1.54)**	**-2.18%**
Line Losses on Cost of Power	$ 0.0824	74	$ 6.08	$ 0.0824	74	$ 6.08	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0050	2,000	$ (10.00)	-$ 0.0007	2,000	$ (1.40)	$ 8.60	-86.00%
CBR Class B Rate Riders	$ 0.0002	2,000	$ 0.40	$ -	2,000	$ -	$ (0.40)	-100.00%
GA Rate Riders	$ -	2,000	$ -	$ -	2,000	$ -	$ -	
Low Voltage Service Charge	$ 0.0004	2,000	$ 0.80	$ 0.0004	2,000	$ 0.80	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		2,000	$ -	$ -	2,000	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 68.59**			**$ 75.25**	**$ 6.66**	**9.71%**
RTSR - Network	$ 0.0065	2,074	$ 13.48	$ 0.0070	2,074	$ 14.52	$ 1.04	7.69%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0035	2,074	$ 7.26	$ 0.0036	2,074	$ 7.47	$ 0.21	2.86%
Sub-Total C - Delivery (including Sub-Total B)			**$ 89.33**			**$ 97.23**	**$ 7.90**	**8.85%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	2,074	$ 7.05	$ 0.0034	2,074	$ 7.05	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	2,074	$ 1.04	$ 0.0005	2,074	$ 1.04	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
TOU - Off Peak	$ 0.0650	1,300	$ 84.50	$ 0.0650	1,300	$ 84.50	$ -	0.00%
TOU - Mid Peak	$ 0.0940	340	$ 31.96	$ 0.0940	340	$ 31.96	$ -	0.00%
TOU - On Peak	$ 0.1340	360	$ 48.24	$ 0.1340	360	$ 48.24	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 262.36**			**$ 270.27**	**$ 7.90**	**3.01%**
HST	13%		$ 34.11	13%		$ 35.13	$ 1.03	3.01%
8% Rebate	8%		$ (20.99)	8%		$ (21.62)	$ (0.63)	
Total Bill on TOU			**$ 275.48**			**$ 283.78**	**$ 8.30**	**3.01%**

In the manager's summary, discuss the reason

Customer Class:	**GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**80,000**	**kWh**
Demand	**250**	**kW**
Current Loss Factor	**1.0369**	
Proposed/Approved Loss Factor	**1.0369**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 143.95	1	$ 143.95	$ 145.25	1	$ 145.25	$ 1.30	0.90%
Distribution Volumetric Rate	$ 4.2924	250	$ 1,073.10	$ 4.3310	250	$ 1,082.75	$ 9.65	0.90%
Fixed Rate Riders	$ 2.51	1	$ 2.51	$ 2.92	1	$ 2.92	$ 0.41	16.33%
Volumetric Rate Riders	$ 0.2319	250	$ 57.98	$ 0.1631	250	$ 40.78	$ (17.20)	-29.67%
Sub-Total A (excluding pass through)			**$ 1,277.54**			**$ 1,271.70**	**$ (5.84)**	**-0.46%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	-$ 1.8709	250	$ (467.73)	-$ 0.2516	250	$ (62.90)	$ 404.83	-86.55%
CBR Class B Rate Riders	$ 0.0905	250	$ 22.63	$ -	250	$ -	$ (22.63)	-100.00%
GA Rate Riders	$ 0.0047	80,000	$ 376.00	-$ 0.0026	80,000	$ (208.00)	$ (584.00)	-155.32%
Low Voltage Service Charge	$ 0.1589	250	$ 39.73	$ 0.1589	250	$ 39.73	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		250	$ -	$ -	250	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 1,248.16**			**$ 1,040.52**	**$ (207.64)**	**-16.64%**
RTSR - Network	$ 2.6130	250	$ 653.25	$ 2.8124	250	$ 703.10	$ 49.85	7.63% *In the manager's summary, discuss the reason*
RTSR - Connection and/or Line and Transformation Connection	$ 1.3338	250	$ 333.45	$ 1.3734	250	$ 343.35	$ 9.90	2.97%
Sub-Total C - Delivery (including Sub-Total B)			**$ 2,234.86**			**$ 2,086.97**	**$ (147.89)**	**-6.62%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	82,952	$ 282.04	$ 0.0034	82,952	$ 282.04	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	82,952	$ 41.48	$ 0.0005	82,952	$ 41.48	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	82,952	$ 9,298.92	$ 0.1121	82,952	$ 9,298.92	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 11,857.54**			**$ 11,709.65**	**$ (147.89)**	**-1.25%**
HST	13%		$ 1,541.48	13%		$ 1,522.25	$ (19.23)	-1.25%
Total Bill on Average IESO Wholesale Market Price			**$ 13,399.02**			**$ 13,231.91**	**$ (167.12)**	**-1.25%**

Customer Class:	**LARGE USE SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**2,800,000**	**kWh**
Demand	**7,350**	**kW**
Current Loss Factor	**1.0145**	
Proposed/Approved Loss Factor	**1.0145**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 6,201.88	1	$ 6,201.88	$ 6,257.70	1	$ 6,257.70	$ 55.82	0.90%
Distribution Volumetric Rate	$ 2.2894	7350	$ 16,827.09	$ 2.3100	7350	$ 16,978.50	$ 151.41	0.90%
Fixed Rate Riders	$ 80.54	1	$ 80.54	$ 125.27	1	$ 125.27	$ 44.73	55.54%
Volumetric Rate Riders	-$ 0.1253	7350	$ (920.96)	$ 0.0816	7350	$ 599.76	$ 1,520.72	-165.12%
Sub-Total A (excluding pass through)			**$ 22,188.56**			**$ 23,961.23**	**$ 1,772.68**	**7.99%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	-$ 2.6081	7,350	$ (19,169.54)	-$ 0.3391	7,350	$ (2,492.39)	$ 16,677.15	-87.00%
CBR Class B Rate Riders	$ -	7,350	$ -	$ -	7,350	$ -	$ -	
GA Rate Riders	$ -	2,800,000	$ -	$ -	2,800,000	$ -	$ -	
Low Voltage Service Charge	$ 0.1630	7,350	$ 1,198.05	$ 0.1630	7,350	$ 1,198.05	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		7,350	$ -	$ -	7,350	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 4,217.07**			**$ 22,666.90**	**$ 18,449.83**	**437.50%**
RTSR - Network	$ 3.1569	7,350	$ 23,203.22	$ 3.3978	7,350	$ 24,973.83	$ 1,770.62	7.63%
RTSR - Connection and/or Line and Transformation Connection	$ 1.3931	7,350	$ 10,239.29	$ 1.4345	7,350	$ 10,543.58	$ 304.29	2.97%
Sub-Total C - Delivery (including Sub-Total B)			**$ 37,659.57**			**$ 58,184.30**	**$ 20,524.73**	**54.50%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	2,840,600	$ 9,658.04	$ 0.0034	2,840,600	$ 9,658.04	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	2,840,600	$ 1,420.30	$ 0.0005	2,840,600	$ 1,420.30	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	2,840,600	$ 318,431.26	$ 0.1121	2,840,600	$ 318,431.26	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 367,169.42**			**$ 387,694.15**	**$ 20,524.73**	**5.59%**
HST	13%		$ 47,732.02	13%		$ 50,400.24	$ 2,668.21	5.59%
Total Bill on Average IESO Wholesale Market Price			**$ 414,901.44**			**$ 438,094.39**	**$ 23,192.94**	**5.59%**

In the manager's summary, discuss the reason

Customer Class:	**STANDBY POWER SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	-	**kWh**
Demand	-	**kW**
Current Loss Factor	**1.0369**	
Proposed/Approved Loss Factor	**1.0369**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ -	1	$ -	$ -	1	$ -	$ -	
Distribution Volumetric Rate	$ 2.8334	0	$ -	$ 2.8589	0	$ -	$ -	
Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Volumetric Rate Riders	$ -	0	$ -	$ -	0	$ -	$ -	
Sub-Total A (excluding pass through)			**$ -**			**$ -**	**$ -**	
Line Losses on Cost of Power	$ 0.1121	-	$ -	$ 0.1121	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
CBR Class B Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
GA Rate Riders	$ -	-	$ -	$ -	-	$ -	$ -	
Low Voltage Service Charge	$ -	-	$ -		-	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		-	$ -	$ -	-	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ -**			$ -	**$ -**	
RTSR - Network	$ -	-	$ -	$ -	-	$ -	$ -	
RTSR - Connection and/or Line and Transformation Connection	$ -	-	$ -	$ -	-	$ -	$ -	
Sub-Total C - Delivery (including Sub-Total B)			**$ -**			$ -	**$ -**	
Wholesale Market Service Charge (WMSC)	$ 0.0034	-	$ -	$ 0.0034	-	$ -	$ -	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	-	$ -	$ 0.0005	-	$ -	$ -	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1121	-	$ -	$ 0.1121	-	$ -	$ -	
Total Bill on Average IESO Wholesale Market Price			**$ 0.25**			**$ 0.25**	**$ -**	**0.00%**
HST	13%		$ 0.03	13%		$ 0.03	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 0.28**			**$ 0.28**	**$ -**	**0.00%**

Customer Class:	**UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**RPP**	
Consumption	**150**	**kWh**
Demand	**-**	**kW**
Current Loss Factor	**1.0369**	
Proposed/Approved Loss Factor	**1.0369**	

	Current OEB-Approved			Proposed			Impact		
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change	
Monthly Service Charge	$ 8.78	1	$ 8.78	$ 8.86	1	$ 8.86	$ 0.08	0.91%	
Distribution Volumetric Rate	$ 0.0199	150	$ 2.99	$ 0.0201	150	$ 3.02	$ 0.03	1.01%	
Fixed Rate Riders	$ 0.11	1	$ 0.11	$ 0.18	1	$ 0.18	$ 0.07	63.64%	
Volumetric Rate Riders	-$ 0.0006	150	$ (0.09)	$ 0.0004	150	$ 0.06	$ 0.15	-166.67%	
Sub-Total A (excluding pass through)			**$ 11.79**			**$ 12.12**	**$ 0.33**	**2.80%**	
Line Losses on Cost of Power	$ 0.0824	6	$ 0.46	$ 0.0824	6	$ 0.46	$ -	0.00%	
Total Deferral/Variance Account Rate Riders	-$ 0.0049	150	$ (0.74)	-$ 0.0007	150	$ (0.11)	$ 0.63	-85.71%	
CBR Class B Rate Riders	$ 0.0002	150	$ 0.03	$ -	150	$ -	$ (0.03)	-100.00%	
GA Rate Riders	$ -	150	$ -	$ -	150	$ -	$ -		
Low Voltage Service Charge	$ 0.0005	150	$ 0.08	$ 0.0005	150	$ 0.08	$ -	0.00%	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Volumetric Rate Riders		150	$ -	$ -	150	$ -	$ -		
Sub-Total B - Distribution (includes Sub-Total A)			**$ 11.61**			**$ 12.54**	**$ 0.93**	**8.01%**	
RTSR - Network	$ 0.0062	156	$ 0.96	$ 0.0067	156	$ 1.04	$ 0.08	8.06%	*In the manager's summary, discuss the reason*
RTSR - Connection and/or Line and Transformation Connection	$ 0.0037	156	$ 0.58	$ 0.0038	156	$ 0.59	$ 0.02	2.70%	
Sub-Total C - Delivery (including Sub-Total B)			**$ 13.15**			**$ 14.17**	**$ 1.02**	**7.78%**	
Wholesale Market Service Charge (WMSC)	$ 0.0034	156	$ 0.53	$ 0.0034	156	$ 0.53	$ -	0.00%	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	156	$ 0.08	$ 0.0005	156	$ 0.08	$ -	0.00%	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%	
TOU - Off Peak	$ 0.0650	98	$ 6.34	$ 0.0650	98	$ 6.34	$ -	0.00%	
TOU - Mid Peak	$ 0.0940	26	$ 2.40	$ 0.0940	26	$ 2.40	$ -	0.00%	
TOU - On Peak	$ 0.1340	27	$ 3.62	$ 0.1340	27	$ 3.62	$ -	0.00%	
Total Bill on TOU (before Taxes)			**$ 26.36**			**$ 27.38**	**$ 1.02**	**3.88%**	
HST	13%		$ 3.43	13%		$ 3.56	$ 0.13	3.88%	
Total Bill on TOU			**$ 29.79**			**$ 30.94**	**$ 1.16**	**3.88%**	

Customer Class:	**SENTINEL LIGHTING SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**RPP**	
Consumption	**180**	**kWh**
Demand	**1**	**kW**
Current Loss Factor	**1.0369**	
Proposed/Approved Loss Factor	**1.0369**	

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	**$ 4.28**	1	$ 4.28	**$ 4.32**	**1**	**$ 4.32**	$ 0.04	0.93%
Distribution Volumetric Rate	**$ 10.0777**	1	$ 10.08	**$ 10.1684**	**1**	**$ 10.17**	$ 0.09	0.90%
Fixed Rate Riders	**$ 0.06**	1	$ 0.06	**$ 0.09**	**1**	**$ 0.09**	$ 0.03	50.00%
Volumetric Rate Riders	**-$ 0.5170**	1	$ (0.52)	**$ 0.2037**	**1**	**$ 0.20**	$ 0.72	-139.40%
Sub-Total A (excluding pass through)			**$ 13.90**			**$ 14.78**	**$ 0.88**	**6.34%**
Line Losses on Cost of Power	**$ 0.0824**	7	$ 0.55	**$ 0.0824**	**7**	**$ 0.55**	$ -	0.00%
Total Deferral/Variance Account Rate Riders	**-$ 1.8203**	1	$ (1.82)	**-$ 0.2358**	**1**	**$ (0.24)**	$ 1.58	-87.05%
CBR Class B Rate Riders	**$ 0.0895**	1	$ 0.09	**$ -**	**1**	**$ -**	$ (0.09)	-100.00%
GA Rate Riders	**$ -**	180	$ -	**$ -**	**180**	**$ -**	$ -	
Low Voltage Service Charge	**$ 0.1170**	1	$ 0.12	**$ 0.1170**	**1**	**$ 0.12**	$ -	0.00%
Smart Meter Entity Charge (if applicable)	**$ -**	1	$ -	**$ -**	**1**	**$ -**	$ -	
Additional Fixed Rate Riders	**$ -**	1	$ -	**$ -**	**1**	**$ -**	$ -	
Additional Volumetric Rate Riders		1	$ -	**$ -**	**1**	**$ -**	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 12.83**			**$ 15.21**	**$ 2.38**	**18.52%**
RTSR - Network	**$ 2.0304**	1	$ 2.03	**$ 2.1853**	**1**	**$ 2.19**	$ 0.15	7.63% *In the manager's summary, discuss the reason*
RTSR - Connection and/or Line and Transformation Connection	**$ 0.9868**	1	$ 0.99	**$ 1.0161**	**1**	**$ 1.02**	$ 0.03	2.97%
Sub-Total C - Delivery (including Sub-Total B)			**$ 15.85**			**$ 18.41**	**$ 2.56**	**16.15%**
Wholesale Market Service Charge (WMSC)	**$ 0.0034**	187	$ 0.63	**$ 0.0034**	**187**	**$ 0.63**	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	**$ 0.0005**	187	$ 0.09	**$ 0.0005**	**187**	**$ 0.09**	$ -	0.00%
Standard Supply Service Charge	**$ 0.25**	1	$ 0.25	**$ 0.25**	**1**	**$ 0.25**	$ -	0.00%
TOU - Off Peak	**$ 0.0650**	117	$ 7.61	**$ 0.0650**	**117**	**$ 7.61**	$ -	0.00%
TOU - Mid Peak	**$ 0.0940**	31	$ 2.88	**$ 0.0940**	**31**	**$ 2.88**	$ -	0.00%
TOU - On Peak	**$ 0.1340**	32	$ 4.34	**$ 0.1340**	**32**	**$ 4.34**	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 31.65**			**$ 34.21**	**$ 2.56**	**8.09%**
HST	13%		$ 4.11	13%		$ 4.45	$ 0.33	8.09%
Total Bill on TOU			**$ 35.77**			**$ 38.66**	**$ 2.89**	**8.09%**

Customer Class:	**STREET LIGHTING SERVICE CLASSIFICATION**	
RPP / Non-RPP:	**Non-RPP (Other)**	
Consumption	**280**	**kWh**
Demand	**1**	**kW**
Current Loss Factor	**1.0369**	
Proposed/Approved Loss Factor	**1.0369**	

	Current OEB-Approved			Proposed			Impact		
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change	
Monthly Service Charge	$ 1.21	1	$ 1.21	$ 1.22	1	$ 1.22	$ 0.01	0.83%	
Distribution Volumetric Rate	$ 6.4556	1	$ 6.46	$ 6.5137	1	$ 6.51	$ 0.06	0.90%	
Fixed Rate Riders	$ 0.01	1	$ 0.01	$ 0.02	1	$ 0.02	$ 0.01	100.00%	
Volumetric Rate Riders	$ 2.0022	1	$ 2.00	-$ 0.2809	1	$ (0.28)	$ (2.28)	-114.03%	
Sub-Total A (excluding pass through)			**$ 9.68**			**$ 7.47**	**$ (2.21)**	**-22.78%**	
Line Losses on Cost of Power	$ 0.1121	10	$ 1.16	$ 0.1121	10	$ 1.16	$ -	0.00%	
Total Deferral/Variance Account Rate Riders	-$ 1.7563	1	$ (1.76)	-$ 0.2388	1	$ (0.24)	$ 1.52	-86.40%	
CBR Class B Rate Riders	$ 0.0870	1	$ 0.09	$ -	1	$ -	$ (0.09)	-100.00%	
GA Rate Riders	$ 0.0004	280	$ 0.11	-$ 0.0026	280	$ (0.73)	$ (0.84)	-750.00%	
Low Voltage Service Charge	$ 0.1288	1	$ 0.13	$ 0.1288	1	$ 0.13	$ -	0.00%	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -		
Additional Volumetric Rate Riders		1	$ -	$ -	1	$ -	$ -		
Sub-Total B - Distribution (includes Sub-Total A)			**$ 9.41**			**$ 7.79**	**$ (1.61)**	**-17.16%**	
RTSR - Network	$ 2.6275	1	$ 2.63	$ 2.8280	1	$ 2.83	$ 0.20	7.63%	*In the manager's summary, discuss the reason*
RTSR - Connection and/or Line and Transformation Connection	$ 1.4291	1	$ 1.43	$ 1.4716	1	$ 1.47	$ 0.04	2.97%	
Sub-Total C - Delivery (including Sub-Total B)			**$ 13.46**			**$ 12.09**	**$ (1.37)**	**-10.19%**	
Wholesale Market Service Charge (WMSC)	$ 0.0034	290	$ 0.99	$ 0.0034	290	$ 0.99	$ -	0.00%	
Rural and Remote Rate Protection (RRRP)	$ 0.0005	290	$ 0.15	$ 0.0005	290	$ 0.15	$ -	0.00%	
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%	
Average IESO Wholesale Market Price	$ 0.1121	280	$ 31.39	$ 0.1121	280	$ 31.39	$ -	0.00%	
Total Bill on Average IESO Wholesale Market Price			**$ 46.23**			**$ 44.86**	**$ (1.37)**	**-2.97%**	
HST	13%		$ 6.01	13%		$ 5.83	$ (0.18)	-2.97%	
Total Bill on Average IESO Wholesale Market Price			**$ 52.24**			**$ 50.70**	**$ (1.55)**	**-2.97%**	

G-STAFF-1
ATTACHMENT 6 – TARIFF BRZ

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2019-0018

RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account where the electricity is supplied exclusively to single-family dwelling units for domestic or household purposes, including seasonal occupancy. This includes, but is not limited to, detached houses, one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex also qualify as residential customers. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	24.52
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.31
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.23
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	$/kWh	0.0078
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0064

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. Multi-unit residential establishments such as apartment buildings supplied through one service (bulk metered) shall normally be classified as general service. Where service is provided to combined residential and business, or residential and agricultural, whether seasonal or all-year premises, and the wiring does not provide for separate metering, the service shall normally be classed as general service. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	25.88
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.32
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.24
Distribution Volumetric Rate	$/kWh	0.0173
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0012
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0002
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0002
Retail Transmission Rate - Network Service Rate	$/kWh	0.0069
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0054

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

GENERAL SERVICE 50 TO 699 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 700 kW. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	129.13
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	1.62
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	1.21
Distribution Volumetric Rate	$/kW	2.9247
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0565
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0367
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0273
Retail Transmission Rate - Network Service Rate	$/kW	2.7094
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.1685

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

GENERAL SERVICE 700 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 700 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	1,165.10
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	14.63
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	10.89
Distribution Volumetric Rate	$/kW	3.3952
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0459
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0426
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0317
Retail Transmission Rate - Network Service Rate	$/kW	3.0385
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3309

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
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LARGE USE SERVICE CLASSIFICATION

This classification applies to an account whose average monthly maximum demand over 12 consecutive months used for billing purposes is equal to or greater than 5,000 kW, or is forecast to be equal to or greater than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	4,848.23
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	60.86
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	45.33
Distribution Volumetric Rate	$/kW	2.5705
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0587
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0323
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0240
Retail Transmission Rate - Network Service Rate	$/kW	3.4390
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.6940

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
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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. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	1.12
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.01
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.01
Distribution Volumetric Rate	$/kWh	0.0204
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0003
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0002
Retail Transmission Rate - Network Service Rate	$/kWh	0.0069
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0054

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
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STREET LIGHTING SERVICE CLASSIFICATION

All service supplied to roadway lighting equipment owned by or operated by the City of Brampton, Regional Municipality of Peel, or the Ministry of Transportation, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	$	2.37
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.03
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.02
Distribution Volumetric Rate	$/kW	11.8883
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.1492
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.1112
Retail Transmission Rate - Network Service Rate	$/kW	2.2560
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.8053

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Brampton Rate Zone
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STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide back-up 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component - Approved on an Interim Basis

Distribution Volumetric Rate	$/kW	1.7288

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EMBEDDED DISTRIBUTOR SERVICE CLASSIFICATION

This classification applies to an electricity distributor licensed by the Ontario Energy Board, that is provided electricity by means of this distributor's facilities. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	4,285.86
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	53.80
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	40.07
Retail Transmission Rate - Network Service Rate	$/kW	3.0385
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.3309

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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DISTRIBUTED GENERATION [DGEN] SERVICE CLASSIFICATION

This classification applies to a distributed generator that is not a microFIT or an Energy from Waste Generator and connected to the distributor's distribution system. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	107.13
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	1.34
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	1.00
Retail Transmission Rate - Network Service Rate	$/kWh	0.0069
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0054

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

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ENERGY FROM WASTE SERVICE CLASSIFICATION

This classification applies to an electricity generation facility that is not covered by a microFIT or Distributed Generation classification which produces energy from combustion of consumer waste with the capability to generate over 4,000 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	65.00

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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	5.40

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ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month		
General Service less than 50 kW Classification	$/kWh	(0.0032)
General Service 50 to 699 kW Classification	$/kW	(0.6840)
General Service 700 to 4,999 kW Classification	$/kW	(0.8515)
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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

Customer Administration

Arrears certificate	$	15.00
Pulling post dated cheques	$	15.00
Duplicate invoices for previous billing	$	15.00
Request for other billing information	$	15.00
Easement letter	$	15.00
Income tax letter	$	15.00
Account history	$	15.00
Credit reference/credit check (plus credit agency costs)	$	15.00
Returned cheque (plus bank charges)	$	15.00
Legal letter charge	$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	$	30.00
Special meter reads	$	30.00
Special billing service (aggregation)	$	125.00
Special billing service (sub-metering charge per meter)	$	25.00

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 at pole - after regular hours	$	415.00
Disconnect/reconnection for >300 volts - during regular hours	$	60.00
Disconnect/reconnection for >300 volts - after regular hours	$	155.00

Other

Owner requested disconnection/reconnection - during regular hours	$	120.00
Owner requested disconnection/reconnection - after regular hours	$	155.00
Specific Charge for Access to the Power Poles - $/pole/year (with the exception of wireless attachments) - in effect from January 1, 2019	$	44.15

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RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	$	101.2
Monthly fixed charge, per retailer	$	40.48
Monthly variable charge, per customer, per retailer	$/cust.	1.01
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	(0.61)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.51
Processing fee, per request, applied to the requesting party	$	1.01
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)	$	4.05
Notice of switch letter charge, per letter	$	2.02

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	1.0341
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0239
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045

G-STAFF-1
ATTACHMENT 7 – TARIFF ERZ

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2019-0018

RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to all residential services including, without limitation, single family or single unit dwellings, multifamily dwellings, row-type dwellings and subdivision developments. Energy is supplied in single phase, 3-wire, or three phase, 4 wire, having a nominal voltage of 120/240 volts. There shall be only one delivery point to a dwelling. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	24.47
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.12
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.12
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.16
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	0.60
Low Voltage Service Rate	$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0033)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kWh	0.0002
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until December 31, 2020 Applicable only for Class B Customers	$/kWh	(0.0001)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0003
Retail Transmission Rate - Network Service Rate	$/kWh	0.0082
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0079
-		

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	44.92
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.22
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.21
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.29
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	1.10
Distribution Volumetric Rate	$/kWh	0.0131
Low Voltage Service Rate	$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0033)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kWh	0.0003
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until December 31, 2020 Applicable only for Class B Customers	$/kWh	(0.0001)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0003
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	$/kWh	0.0077
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0071

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

GENERAL SERVICE 50 TO 499 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 500 kW. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

Billing demands are established at the greater of 100% of the kW, or 90% of the kVA amounts.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	79.12
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.39
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.38
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.51
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	1.93
Distribution Volumetric Rate	$/kW	4.7614
Low Voltage Service Rate	$/kW	0.0802
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0033)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020 Applicable only for Non-Wholesale Market Participants	$/kW	(0.2152)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	0.3300
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until December 31, 2020 Applicable only for Class B Customers	$/kW	(0.0352)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.2771
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0234
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0226
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0308
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kW	0.1163
Retail Transmission Rate - Network Service Rate	$/kW	2.9528
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.8139

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

GENERAL SERVICE 500 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 500 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

Billing demands are established at the greater of 100% of the kW, or 90% of the kVA amounts.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	1,801.66
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	8.87
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	8.54
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	11.65
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	44.00
Distribution Volumetric Rate	$/kW	2.4501
Low Voltage Service Rate	$/kW	0.0784
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0033)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020 Applicable only for Non-Wholesale Market Participants	$/kW	(0.2659)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	0.4084
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until December 31, 2020 Applicable only for Class B Customers	$/kW	(0.0408)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.1080
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0121
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0116
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0158
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0598
Retail Transmission Rate - Network Service Rate	$/kW	2.8568
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.7536

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

LARGE USE SERVICE CLASSIFICATION

This classification refers to an account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

Billing demands are established at the greater of 100% of the kW, or 90% of the kVA amounts.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	14,205.38
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	69.94
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	67.35
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	91.89
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	346.90
Distribution Volumetric Rate	$/kW	3.0410
Low Voltage Service Rate	$/kW	0.0838
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	0.1787
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0976
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0150
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0144
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0197
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0743
Retail Transmission Rate - Network Service Rate – Interval Metered	$/kW	3.0485
Retail Transmission Rate - Line and Transformation Connection Service Rate – Interval Metered	$/kW	2.9410

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	$	9.27
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.05
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.04
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.06
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	0.23
Distribution Volumetric Rate	$/kWh	0.0169
Low Voltage Service Rate	$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0033)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kWh	0.0003
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until December 31, 2020 Applicable only for Class B Customers	$/kWh	(0.0001)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	$/kWh	0.0077
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0071

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting. Street Lighting is unmetered where energy consumption is estimated based on the connected wattage and calculated hours of use using methods established by the Ontario Energy Board. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per luminaire)	$	1.55
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.01
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.01
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.01
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$	0.04
Distribution Volumetric Rate	$/kW	11.8963
Low Voltage Service Rate	$/kW	0.0580
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0033)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	0.1021
Rate Rider for Disposition of Capacity Based Recovery Account (2020) - effective until December 31, 2020 Applicable only for Class B Customers	$/kW	(0.0321)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	(2.5841)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0586
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0564
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0770
Rate Rider for Recovery of Incremental Capital (2017) - in effect until the effective date of the next cost of service based rate order	$/kW	0.2905
Retail Transmission Rate - Network Service Rate	$/kW	2.0449
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.0348

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that requires Alectra Utilities to provide distribution service on a standby basis as a back-up supply to an on-site generator. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

A Standby Service Charge will be applied for a month where standby power is not provided. The applicable rate is the approved Distribution Volumetric Rate of the applicable service class and is applied to gross metered demand or contracted amount, whichever is greater. A monthly administration charge of $200, for simple metering arrangements, or $500, for complex metering arrangements, will also be applied.

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	5.40

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
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ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month	$/kW	(0.40)
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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

Customer Administration

Arrears certificate	$	15.00
Request for other billing information	$	15.00
Credit reference/credit check (plus credit agency costs)	$	15.00
Credit reference/credit check (plus credit agency costs – General Service)	$	25.00
Income tax letter	$	15.00
Returned cheque (plus bank charges)	$	12.50
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	$	30.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable – Residential)	$	20.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	$	10.00
Special meter reads	$	30.00
Interval meter request change	$	40.00

Non-Payment of Account

Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge – no disconnection	$	9.00
Disconnect/reconnect at meter - during regular hours	$	20.00
Disconnect/reconnect at pole - during regular hours	$	185.00
Disconnect/reconnect at pole - after regular hours	$	415.00

Other

Temporary service install and remove – overhead – no transformer	$	400.00
Specific Charge for Access to the Power Poles - $/pole/year (with the exception of wireless attachments) - in effect from January 1, 2019	$	44.15

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
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RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	$	101.2
Monthly fixed charge, per retailer	$	40.48
Monthly variable charge, per customer, per retailer	$/cust.	1.01
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	(0.61)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.51
Processing fee, per request, applied to the requesting party	$	1.01
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)	$	4.05
Notice of switch letter charge, per letter	$	2.02

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	1.0360
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0256
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045

G-STAFF-1
ATTACHMENT 8 – TARIFF GRZ

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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

EB-2019-0018

RESIDENTIAL SERVICE CLASSIFICATION

This classification includes accounts taking electricity at 750 volts or less where the electricity is used exclusively in a separately metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	29.48
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(0.18)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.03
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0062)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	$/kWh	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0061

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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

EB-2019-0018

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	17.09
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(0.50)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.02
Distribution Volumetric Rate	$/kWh	0.0143
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0062)
Retail Transmission Rate - Network Service Rate	$/kWh	0.0065
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0054

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020
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EB-2019-0018

GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION

This classification includes non-residential accounts where monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 1,000 kW. Note that for the application of the Retail Transmission Rate - Network Service Rate and the Retail Transmission Rate - Line and Transformation Connection Service Rate the following sub-classifications apply: General Service 50 to 999 kW non-interval metered, and General Service 50 to 999 kW interval metered. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	185.31
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(3.80)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.19
Distribution Volumetric Rate	$/kW	2.8234
Low Voltage Service Rate	$/kW	0.0121
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0062)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	0.1004
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020 Applicable only for Non-Wholesale Market Participants	$/kW	(0.0701)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0029
Retail Transmission Rate - Network Service Rate	$/kW	2.7310
Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	2.8328
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.2677
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.3528

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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

EB-2019-0018

GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION

This classification includes non-residential accounts where monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than 1,000 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

The rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to WMP, customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	586.20
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(46.33)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.60
Distribution Volumetric Rate	$/kW	3.1343
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0062)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	0.1274
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020 Applicable only for Non-Wholesale Market Participants	$/kW	(0.0919)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0032
Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	2.8328
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.3528

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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LARGE USE SERVICE CLASSIFICATION

This classification refers to an account where monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	1,126.88
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(151.18)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	1.15
Distribution Volumetric Rate	$/kW	2.8159
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	(0.0006)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0029
Retail Transmission Rate - Network Service Rate - Interval Metered	$/kW	3.4210
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	$/kW	2.8409

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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EB-2019-0018

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification includes accounts taking electricity at 750 volts or less where monthly average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. These connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The customer provides detailed manufacturer information/documentation with regard to electrical demand/consumption of the proposed load. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	$	5.00
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(0.05)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.01
Distribution Volumetric Rate	$/kWh	0.0228
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0062)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	$/kWh	0.0065
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0054

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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

EB-2019-0018

STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide back-up 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - APPROVED ON AN INTERIM BASIS

Standby Charge - the charge is based on the applicable General Service 50 to 999 kW, or General Service 1,000 to 4,999 kW or Large Use Distribution Volumetric Rate applied to the generator's peak demand. A Standby Service Charge will be applied for a month where standby power is provided partially or is not provided.

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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

EB-2019-0018

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	$	7.74
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(0.11)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.01
Distribution Volumetric Rate	$/kW	8.5657
Low Voltage Service Rate	$/kW	0.0089
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	0.0211
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0088
Retail Transmission Rate - Network Service Rate	$/kW	2.0908
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.7362

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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

EB-2019-0018

STREET LIGHTING SERVICE CLASSIFICATION

This classification is for roadway lighting with the Municipality. The consumption for this customer is based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	$	0.44
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	$	(0.01)
Distribution Volumetric Rate	$/kW	10.5017
Low Voltage Service Rate	$/kW	0.0107
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0062)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	0.0284
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0108
Retail Transmission Rate - Network Service Rate	$/kW	2.5160
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.0892

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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EB-2019-0018

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	5.40

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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EB-2019-0018

ALLOWANCES

Transformer Allowance for Ownership by General Service 50 to 999 kW customers - per kW of billing demand/month	$/kW	(0.72)
Primary Metering Allowance for Transformer Losses - applied to measured demand & 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

Customer Administration

Arrears certificate	$	15.00
Returned cheque (plus bank charges)	$	8.55
Account setup charge/change of occupancy charge (plus credit agency costs if applicable)	$	8.75
Meter dispute charge plus Measurement Canada fees (if meter found correct)	$	10.00
Credit service charge for paperless bill	$	(10.00)

Non-Payment of Account

Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	$	9.00
Disconnect/reconnect at meter - during regular hours	$	20.00
Disconnect/reconnect at meter - after regular hours	$	50.00
Disconnect/reconnect at pole - during regular hours	$	50.00
Disconnect/reconnect at pole - after regular hours	$	95.00

Other

Service call - customer owned equipment	$	17.50
Service call - after regular hours	$	95.00
Specific charge for access to the power poles - $/pole/year (with the exception of wireless attachments)	$	44.15
Overhead bond connection - per connection	$	105.00
Underground bond connection - per connection	$	100.00

Alectra Utilities Corporation
Guelph Rate Zone

Effective and Implementation Date January 1, 2020

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

EB-2019-0018

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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

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

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	$	101.20
Monthly Fixed Charge, per retailer	$	40.48
Monthly Variable Charge, per customer, per retailer	$/cust.	1.01
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	(0.61)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.51
Processing fee, per request, applied to the requesting party	$	1.01
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)	$	4.05
Notice of switch letter charge, per letter	$	2.02

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	1.0260
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0137
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0157
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0036

G-STAFF-1
ATTACHMENT 9 – TARIFF HRZ

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2019-0018

RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separately metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	26.94
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Disposition of 2017 Earnings Sharing - effective until December 31, 2020	$	(0.22)
Rate Rider for Recovery of Green Energy Act Related Costs – effective until December 31, 2020	$	(0.02)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.22
Low Voltage Service Rate	$/kWh	0.00006
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	$/kWh	0.0079
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0068

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	42.67
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Disposition of 2017 Earnings Sharing - effective until December 31, 2020	$	(0.34)
Rate Rider for Recovery of Green Energy Act Related Costs – effective until December 31, 2020	$	(0.02)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.35
Distribution Volumetric Rate	$/kWh	0.0110
Low Voltage Service Rate	$/kWh	0.00006
Rate Rider for Disposition of 2017 Earnings Sharing - effective until December 31, 2020	$/kWh	(0.0001)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0007
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	$/kWh	0.0069
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0061

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
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GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	392.90
m	$	(0.02)
Rate Rider for Disposition of 2017 Earnings Sharing - effective until December 31, 2020	$	(3.16)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	3.22
Distribution Volumetric Rate	$/kW	2.6385
Low Voltage Service Rate	$/kW	0.02169
Rate Rider for Disposition of 2017 Earnings Sharing - effective until December 31, 2020	$/kW	(0.0213)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0202
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0217
Retail Transmission Rate - Network Service Rate	$/kW	2.7751
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.4755

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

LARGE USE 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. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	24,497.88
Rate Rider for Disposition of 2017 Earnings Sharing - effective until December 31, 2020	$	(197.51)
Rate Rider for Recovery of Green Energy Act Related Costs – effective until December 31, 2020	$	(0.02)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	201.03
Distribution Volumetric Rate	$/kW	1.4454
Low Voltage Service Rate	$/kW	0.02492
Rate Rider for Disposition of 2017 Earnings Sharing - effective until December 31, 2020	$/kW	(0.0117)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0327
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0119
Retail Transmission Rate - Network Service Rate	$/kW	3.1701
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.8446

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
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LARGE USE WITH DEDICATED ASSETS SERVICE CLASSIFICATION

This classification applies to an account where 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 and using dedicated assets. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	5,807.65
Rate Rider for Disposition of 2017 Earnings Sharing - effective until December 31, 2020	$	(46.71)
Rate Rider for Recovery of Green Energy Act Related Costs – effective until December 31, 2020	$	(0.02)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	47.66
Distribution Volumetric Rate	$/kW	0.3427
Low Voltage Service Rate	$/kW	0.02492
Rate Rider for Disposition of 2017 Earnings Sharing - effective until December 31, 2020	$/kW	(0.0028)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0093
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0028
Retail Transmission Rate - Network Service Rate	$/kW	3.1701
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.8446

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide back-up 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component - APPROVED ON AN INTERIM BASIS

GS>50 Standby Charge - for a month where standby power is not provided. The charge is applied to the amount of reserved load transfer capacity contracted or the amount of monthly peak load displaced by a generating facility.	$/kW	2.6385
Large Use Standby Charge - for a month where standby power is not provided. The charge is applied to the amount of reserved load transfer capacity contracted or the amount of monthly peak load displaced by a generating facility.	$/kW	1.4454
Large Use with Dedicated Assets Standby Charge - for a month where standby power is not provided. The charge is applied to the amount of reserved load transfer capacity contracted or the amount of monthly peak load displaced by a generating facility.	$/kW	0.3427

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	8.71
Rate Rider for Disposition of 2017 Earnings Sharing - effective until December 31, 2020	$	(0.07)
Rate Rider for Recovery of Green Energy Act Related Costs – effective until December 31, 2020	$	(0.02)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.07
Distribution Volumetric Rate	$/kWh	0.0135
Low Voltage Service Rate	$/kWh	0.00006
Rate Rider for Disposition of 2017 Earnings Sharing - effective until December 31, 2020	$/kWh	(0.0001)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0024
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	$/kWh	0.0070
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0062

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification applies to safety/security lighting with a Residential, General Service or Large Use customer. This is typically exterior lighting, and often unmetered. Consumption is estimated based on the equipment rating and estimated hours of use. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per Connection)	$	5.68
Rate Rider for Disposition of 2017 Earnings Sharing - effective until December 31, 2020	$	(0.05)
Rate Rider for Recovery of Green Energy Act Related Costs – effective until December 31, 2020	$	(0.02)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.05
Distribution Volumetric Rate	$/kW	15.5806
Low Voltage Service Rate	$/kW	0.01745
Rate Rider for Disposition of 2017 Earnings Sharing - effective until December 31, 2020	$/kW	(0.1253)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.1279
Retail Transmission Rate - Network Service Rate	$/kW	2.3059
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.9919

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

STREET LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per Connection)	$	1.97
Rate Rider for Disposition of 2017 Earnings Sharing - effective until December 31, 2020	$	(0.02)
Rate Rider for Recovery of Green Energy Act Related Costs – effective until December 31, 2020	$	(0.02)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.02
Distribution Volumetric Rate	$/kW	5.2218
Low Voltage Service Rate	$/kW	0.01702
Rate Rider for Disposition of 2017 Earnings Sharing - effective until December 31, 2020	$/kW	(0.0443)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	1.8329
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0428
Retail Transmission Rate - Network Service Rate	$/kW	2.1845
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.9421

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	5.40

Alectra Utilities Corporation
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ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand	$/kW	(0.73)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	(1.00)

SPECIFIC SERVICE CHARGES

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

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

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

Customer Administration

Arrears certificate	$	15.00
Statement of account	$	15.00
Pulling of post dated cheques	$	15.00
Duplicate invoices for previous billing	$	15.00
Request for other billing information	$	15.00
Easement letter	$	15.00
Income tax letter	$	15.00
Notification charge	$	15.00
Account history	$	15.00
Returned cheque charge (plus bank charges)	$	15.00
Charge to certify cheque	$	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
Credit card convenience charge	$	15.00
Credit check (plus credit agency costs)	$	15.00

Non-Payment of Account

Late Payment – per month	%	1.50
Late Payment – per annum	%	19.56
Collection of account charge – no disconnection	$	30.00
Collection of account charge – no disconnection - after regular hours	$	165.00
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 at pole – after regular hours	$	415.00
Install/remove load control device – during regular hours	$	65.00
Install/remove load control device – after regular hours	$	185.00

Other

Service call - customer owned equipment	$	30.00
Service call - after regular hours	$	165.00
Temporary service - install and remove - overhead - no transformer	$	500.00
Temporary service - install and remove - underground - no transformer	$	300.00
Temporary service - install and remove - overhead - with transformer	$	1000.00
Specific Charge for Access to the Power Poles - $/pole/year (with the exception of wireless attachments) - in effect from January 1, 2019	$	44.15
Administrative Billing Charge	$	150.00

Alectra Utilities Corporation
Horizon Utilities Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
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RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	$	101.2
Monthly Fixed Charge, per retailer	$	40.48
Monthly Variable Charge, per customer, per retailer	$/cust.	1.01
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	(0.61)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.51
Processing fee, per request, applied to the requesting party	$	1.01
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)	$	4.05
Notice of switch letter charge, per letter	$	2.02

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	1.0379
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0160
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0276
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0060

G-STAFF-1
ATTACHMENT 10 – TARIFF PRZ

Alectra Utilities Corporation
PowerStream Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2019-0018

RESIDENTIAL SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separately metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. Multi-unit residential establishments such as apartment buildings supplied through one service (bulk metered) shall be classified as general service. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	28.20
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.27
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.18
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.11
Low Voltage Service Rate	$/kWh	0.0005
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0026)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kWh	(0.0008)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0007
Retail Transmission Rate - Network Service Rate	$/kWh	0.0079
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0041

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
PowerStream Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	29.61
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.28
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.19
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.12
Distribution Volumetric Rate	$/kWh	0.0189
Low Voltage Service Rate	$/kWh	0.0004
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0026)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kWh	(0.0007)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kWh	0.0002
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0002
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	$/kWh	0.0070
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0036

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
PowerStream Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW, both regular and interval metered. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	145.25
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	1.40
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.95
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.57
Distribution Volumetric Rate	$/kW	4.3310
Low Voltage Service Rate	$/kW	0.1589
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0026)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020 Applicable only for Non-Wholesale Market Participants	$/kW	(0.2261)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	(0.0255)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0765
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0416
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0282
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0168
Retail Transmission Rate - Network Service Rate	$/kW	2.8124
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.3734
Retail Transmission Rate - Network Service Rate – Interval Metered	$/kW	2.9481
Retail Transmission Rate - Line and Transformation Connection Service Rate – Interval Metered	$/kW	1.4860

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
PowerStream Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

LARGE USE SERVICE CLASSIFICATION

This classification refers to an account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	6,257.70
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	60.16
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	40.77
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	24.34
Distribution Volumetric Rate	$/kW	2.3100
Low Voltage Service Rate	$/kW	0.1630
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	(0.3391)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	0.0353
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0222
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0151
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0090
Retail Transmission Rate - Network Service Rate	$/kW	3.3978
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.4345

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
PowerStream Rate Zone
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
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STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide back-up 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component - APPROVED ON AN INTERIM BASIS

Standby Charge – for a month where standby power is not provided. The charge is applied to the contracted amount (e.g. nameplate rating of generation facility).	$/kW	2.8589

Alectra Utilities Corporation
PowerStream Rate Zone
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Effective and Implementation Date January 1, 2020
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UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	8.86
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.09
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.06
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.03
Distribution Volumetric Rate	$/kWh	0.0201
Low Voltage Service Rate	$/kWh	0.0005
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0026)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kWh	(0.0007)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0002
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	$/kWh	0.0067
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kWh	0.0038

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
PowerStream Rate Zone
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Effective and Implementation Date January 1, 2020
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SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to an unmetered lighting load supplied to a sentinel light. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per Connection)	$	4.32
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.04
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.03
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$	0.02
Distribution Volumetric Rate	$/kW	10.1684
Low Voltage Service Rate	$/kW	0.1170
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0025)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	(0.2358)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0978
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0663
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0396
Retail Transmission Rate - Network Service Rate	$/kW	2.1853
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.0161

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
PowerStream Rate Zone
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Effective and Implementation Date January 1, 2020
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STREET LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per Connection)	$	1.22
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$	0.01
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$	0.01
Distribution Volumetric Rate	$/kW	6.5137
Low Voltage Service Rate	$/kW	0.1288
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until December 31, 2020 Applicable only for Non-RPP Customers	$/kWh	(0.0026)
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until December 31, 2020	$/kW	(0.2388)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	$/kW	(0.4112)
Rate Rider for Recovery of M-factor Capital (2020) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0626
Rate Rider for Recovery of Incremental Capital (2019) - in effect from March 1, 2019 until the effective date of the next cost of service based rate order	$/kW	0.0424
Rate Rider for Recovery of Incremental Capital (2018) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0253
Retail Transmission Rate - Network Service Rate	$/kW	2.8280
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.4716

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	$	0.25

Alectra Utilities Corporation
PowerStream Rate Zone
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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	$	5.40

Alectra Utilities Corporation
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ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month	$/kW	(0.60)
Primary Metering Allowance for Transformer Losses - applied to measured demand & 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

Customer Administration

Arrears certificate	$	15.00
Statement of account	$	15.00
Duplicate invoices for previous billing	$	15.00
Request for other billing information	$	15.00
Easement Letter	$	15.00
Income tax letter	$	15.00
Account history	$	15.00
Returned cheque (plus bank charges)	$	15.00
Legal letter charge	$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	$	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

Other

Install/remove load Control device - during regular hours	$	65.00
Install/remove load control device - after regular hours	$	185.00
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 at pole - after regular hours	$	415.00
Specific Charge for Access to the Power Poles - $/pole/year (with the exception of wireless attachments) - in effect from January 1, 2019	$	44.15
Temporary Service install and remove - overhead - no transformer	$	500.00

Alectra Utilities Corporation
PowerStream Rate Zone
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RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	$	101.2
Monthly fixed charge, per retailer	$	40.48
Monthly variable charge, per customer, per retailer	$/cust.	1.01
Distributor-consolidated billing monthly charge, per customer, per retailer	$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	$/cust.	(0.61)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	$	0.51
Processing fee, per request, applied to the requesting party	$	1.01
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)	$	4.05
Notice of switch letter charge, per letter	$	2.02

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	1.0369
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0266
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045

G-Staff-2

Continuity Schedule – Account 1580 RSVA - Wholesale Market Service Charge
Reference: Tab 3 of the IRM Models for all rate zones

As indicated in the Continuity Schedule, when inputting balances in the continuity schedule, Account 1580 RSVA - Wholesale Market Service Charge is to exclude any amounts relating to CBR. The CBR amounts are to be entered separately in the Class A and Class B 1580 sub-accounts.

a) Please confirm that the balances that Alectra Utilities entered in Account 1580 RSVA - Wholesale Market Service Charge (row 23) for all five rate zones do not include any CBR amounts. If not, please adjust the related entries in the continuity schedule(s).

Response:

a) Alectra Utilities confirms that the balances recorded in Account 1580 RSVA - Wholesale Market Service Charge (row 23) for all five rate zones do not include any CBR amounts.

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Reference: Exhibit 3, Tab 1, Schedule 8 Settlement Process with the IESO

On February 21, 2019 the OEB issued a letter (the letter), as well as detailed Accounting Guidance, to all rate-regulated licensed electricity distributors, which stated the following:

> **Today, the OEB is providing an initial set of standardized requirements for regulatory accounting and RPP settlements. For some distributors, the result of implementing this guidance may be that changes will be required to their current processes even though the current processes result in accurate balances.**

The letter further stated:

> **If any distributor is of the view that there may be systemic issues with their RPP settlement and related accounting processes that may give rise to material errors or discrepancies, or if the OEB has identified issues with balances, those distributors are expected to correct those balances before filing for disposition in an annual rate application. Distributors not adjusting balances prior to January 1, 2019 should confirm in their rate application that they have considered the accounting guidance and are of the view that no adjustments are required.**

Questions:

a) **Please confirm whether or not Alectra Utilities has incorporated the updated regulatory accounting and RPP settlement guidance into its processes, as of the current date. If so, when did Alectra Utilities make these changes? If not, when does Alectra Utilities expect to make these changes?**

b) **If the changes above have already been made, please describe the nature and magnitude of any significant changes required in order for Alectra Utilities to comply with the standardization requirements laid out in the guidance.**

c) **Did Alectra Utilities revise any 2018 transactions (or prior years not disposed of on a final basis) within Accounts 1588 or 1589 as a result of implementing the new accounting guidance? If so please itemize a detailed list of the adjustment(s), the reason for the adjustment(s), the dollar impacts, and which cells they are included in within the DVA continuity schedule. If not, please provide confirmation, as indicated in the letter, that Alectra Utilities has considered the accounting guidance and is of the view that no adjustments are required.**

Response:

a) Alectra Utilities has incorporated the updated regulatory accounting and RPP settlement guidance into its processes as of August 1, 2019 for its five rate zones. The July 2019 settlement was filed for the first time using the RPP settlement guidance retro-active to January 1, 2019. Alectra Utilities is currently assessing the impact of the updated regulatory accounting and RPP settlement guidance on its Account 1588 and Account 1589 balances for the 2018 period and prior years not disposed of on a final basis. Alectra Utilities expects to complete this analysis by August 31, 2019.

b) Alectra Utilities has implemented several process changes as a result of the updated regulatory accounting and RPP settlements guidance. The required process changes for the Brampton, Enersource, Horizon Utilities and PowerStream rate zones were similar, as each of these rate zones followed a consistent process in 2019. The required process changes for the Guelph RZ have been identified separately. The required process changes for the RPP Settlements had overall net impacts which were immaterial on the settlement claims with the IESO. A summary of the RPP Settlements and the regulatory accounting impact by rate zone, for Account 1588 and Account 1589 is provided in Table 1, below.

Table 1 – RPP Settlement and Regulatory Accounting Impact

Total Impact $ (RPP Settlement & Regulatory Accounting)			
Alectra Utilities Rate Zones	Account 1588	Account 1589	Variance
Enersource RZ	(213,134)	527,928	314,794
PowerStream RZ	322,124	(137,171)	184,953
Horizon Utilities RZ	(530,879)	220,138	(310,741)
Brampton RZ	(1,965,756)	2,553,257	587,501
Guelph RZ	496,522	(508,587)	(12,065)
Total Impact	(1,891,123)	2,655,565	764,442

A comparison of the revised OEB accounting guidance to Alectra Utilities' previous processes for the Brampton, Enersource, Horizon Utilities and PowerStream rate zones is provided in Table 2, below. Table 3 provides a comparison of the new guidance to Guelph Hydro's previous accounting and settlement processes.

Table 2 - Process Change Comparison due to OEB Accounting Guidance (BRZ, ERZ, HRZ, PRZ)

Change Summary	New OEB Process	Old Alectra Process	Explanation of Impact
Reporting of True-up claims to IESO	Initial RPP Claim plus two RPP settlement true-up claims are done in a three-step process a) Initial RPP Claim b) 1st True-up – GA and Power Price Change c) 2nd True-up – Actual Wholesale Power based on actual kWh sales	Initial RPP Claim plus true-up claim done in a one-step process for 1st and 2nd True-up monthly with a 2 month lag	Reporting related impact
Consumption data for True-up computation	Wholesale kWh purchase volumes apportioned based on actual calendar month kWh consumption volumes for RPP and Non RPP customers	Actual calendar month kWh consumption based on volumes obtained from Customer Information System	Timing impact, overall immaterial
Pricing Data - Energy	Average energy price data determined for both RPP and Non RPP customers	Average energy price data used for one final true-up calculation	Timing impact, overall immaterial
RPP vs. Non RPP Allocation Adjustment	RPP and Non RPP proportions are rebalanced (estimated and actual volumes) for amounts recorded in 4705 and 4707	RPP and Non RPP volumes updated for actual volumes and GA actual rates	Net impact immaterial, however OEB process has resulted in reclassification of variances between 4705 and 4707. No impact on the IESO power bill.
Reporting to the OEB	Annual GA Workform requires the reporting of 1st and 2nd True up and RPP vs. Non RPP allocation adjustment	Annual GA Workform True-up amounts are reported while RPP vs. Non RPP allocation adjustments were not reported	Reporting related impact

Table 3 - Process Change Comparison due to OEB Accounting Guidance (GRZ)

Change Summary	New OEB Process	Old GRZ Process	Explanation of Impact
Reporting of True-up claims to IESO	Initial RPP Claim plus two RPP settlement true-up claims are done in a three-step process a) Initial RPP Claim b) 1st True-up – GA and Power Price Change c) 2nd True-up – Actual Wholesale Power based on actual kWh sales	Initial RPP Claim based on billed kWh plus true-up claim for RPP GA portion only done for 2nd True-up monthly with a 2-month lag	Timing impact for RPP energy settlement
Consumption data for True-up computation	Wholesale kWh purchase volumes apportioned based on actual calendar month kWh consumption volumes for RPP and Non RPP customers	Actual calendar month RPP kWh consumption based on volumes obtained from Customer Information System was used only for GA true-up to Actual GA rate	Timing impact for RPP energy settlement
Pricing Data - Energy	Average energy price data determined for both RPP and Non RPP customers	Average energy price data used for billed RPP consumption	Timing impact for RPP energy settlement
RPP vs. Non RPP Allocation Adjustment	RPP and Non RPP proportions are rebalanced (estimated and actual volumes) for amounts recorded in 4705 and 4707	RPP and Non RPP volumes updated for actual volumes and GA actual rates in 4707	Timing impact for RPP energy settlement, however OEB process has resulted in reclassification of variances between 4705 and 4707. No material impact on IESO power bill.
Reporting to the OEB	Annual GA Workform requires the reporting of 1st and 2nd True up and RPP vs. Non RPP allocation adjustment	Annual GA Workform True-up amounts are reported while RPP vs. Non RPP allocation adjustment was not reported	Reporting related impact

c) Alectra Utilities is in the process of reviewing the accounting guidance for balances prior to January 1, 2019, and expects to have a complete review of the RPP settlement and related accounting processes by August 31, 2019.

G-Staff-4

Reference: Exhibit 2, Tab 1, Schedule 4, Pages 8-11 of 18, Proposed Account: Customer Service Rules-related Lost Revenue Variance Account ("CSRLRVA")

Alectra Utilities is proposing a variance account for the lost revenue associated with the OEB's updated customer service rules and associated service charges (final report issued March 14, 2019[1]).

In the March 14, 2019 report (pages 19-20), the OEB stated:

"A distributor can apply for a deferral account to track the impact of eliminating the two charges relating to nonpayment of accounts with evidence demonstrating that such an account would meet the eligibility requirements set out in the OEB's *Filing Requirements for Electricity Distribution Rate Applications."*

Alectra Utilities has combined various aspects of the new customer service rules.

Questions:

a) **Please disaggregate and restate the amounts in Table 18 – Impact of Customer Service Rule Changes, showing the direct lost revenue of each new customer service rule on an individual basis. Specifically, please explain how Alectra Utilities calculated:**
   i. **the $2.5 million combined revenue impact for collection of account charges and winter disconnection bans (showing and explaining those items separately)**
   ii. **the $0.3 million combined revenue impact for the minimum payment period for late charges to be levied and the restriction of late payment charges to be applied on arrears payment agreements (showing and explaining those items separately)**
   iii. **the $1.0 million in one-time capital programming costs**

b) **Please explain why Alectra Utilities is including items in Table 18 that are unrelated to the two charges referred to by the OEB in its March 19, 2019 report: "the two charges relating to nonpayment of accounts", namely the Collection of Account Charge and the Charge for Installing or Removing a Load Control Device, as noted in the Rate Order issued on March 14, 2019.**

[1] EB-2017-0183

c) What is Alectra Utilities' proposed effective date for this variance account? Please explain why the proposed effective date is appropriate.

d) Please complete the information in the following table for each rate zone. Please only include the charges or costs pertaining to the Collection of Account Charge and the Charge for Installing or Removing a Load Control Device, as noted in the Rate Order issued on March 14, 2019, in any of the rows that refer to "nonpayment of accounts".

		PRZ	HRZ	BRZ	ERZ	GRZ	Total
A	OEB-Approved Revenue Offsets per last rebasing application						
B	Charges related to nonpayment of accounts included in Revenue Offsets in last rebasing application						
C	Costs related to nonpayment of accounts included in OM&A in last rebasing application						
D	Net revenue offsets related to nonpayment of accounts in last rebasing application: (B – C)						
E	Estimated revenue impact included in Table 18 from nonpayment of accounts						
F	Estimated cost savings from avoiding activities pertaining to nonpayment of						

	accounts						
G	Net estimated financial impact pertaining to nonpayment of accounts: (E - F)						
H	OEB-Approved Distribution Revenue Requirement						
I	Materiality (0.5% x H)						

Response:

a) i) The impact of the disconnection ban on the Collection of Account charge and subsequent elimination of the Collection of Account charge, is $2.5MM, as presented in Table 18 of Exhibit 2, Tab 1, Schedule 4.

The OEB amended the licenses of all electricity distributors to permanently prohibit the disconnection of residential consumers for reason of non-payment during the winter period. Further, any Collection of Account charges that could otherwise be charged to residential customers were waived during the disconnection ban period. This resulted in a reduction in Collection of Account charge revenues in 2017 and 2018 and was forecasted to reduce revenue by approximately $0.96MM per year. The elimination of the Collection of Account charge effective July 1, 2019, was forecasted to reduce revenue by an additional $0.85MM, for a total of $1.81MM. Therefore, due to the subsequent elimination of the Collection of Account charge, the total reduction to revenue is forecasted to be approximately $1.81MM per year, which is now entirely attributed to the elimination of the charge. This impact was calculated by comparing the Collection of Account charge revenues before and after the OEB policy changes.

Due to the timing of these the two OEB policy changes, Alectra Utilities previously tracked the reduction in Collection of Account revenue as a result of the disconnection ban. Alectra Utilities will no longer track this impact separately, as the OEB has now eliminated this Collection of Account charge.

Alectra Utilities anticipates that its Credit Losses will increase over time as a result of customer behavior changes due to these OEB policy changes. The implementation of the Disconnection Ban, and subsequent elimination of the Collection of Account charge will have a significant impact on customer collection activities. Alectra Utilities has forecasted an increase in credit losses of $0.7MM for 2019 as compared to its 2017 baseline as a result of these policy changes. The combined impact to Collection of Account charge revenues is $2.5MM. Table 18 has been revised for these two items as follows:

Table 18 A - Impact of Customer Service Rule Changes

Customer Service Rule	OEB Decision	Estimated Impact
Collection of Account Charge	Customer should not be charged the Collection of Account Charge.	Alectra Utilities estimates the revenue impact of the removal of the collection of account charge to be approximately $2.5MM per year, which includes the impact of credit losses.
Winter Disconnection Ban	Distributors are prohibited from disconnecting customer for non-payment from November 15 to April 30 each year.	N/A

ii) Table 18 has been further revised to isolate the impacts to revenue from OEB policy changes to the Minimum Payment Period and Arrears Payment Arrangements.

Minimum Payment Period: The minimum bill payment period is increasing by four days; Alectra Utilities has forecasted a reduction in its Late Payment Charges of 5% or $0.3MM related to this policy change.

Arrears Payment Agreements: Residential customers who enter into an Arrears Management Agreement will not incur Late Payment Charges for the amount of arrears held in the payment plan. Alectra Utilities forecasts a reduction in its Late Payment Charges of $0.03MM as a result of this policy change.

Table 18 B - Impact of Customer Service Rule Changes

Customer Service Rule	OEB Decision	Estimated Impact
Minimum Payment Period	The Minimum Payment Period before a late payment penalty can be applied should be at least 20 calendar days from the date the bill is issued to the customer.	Alectra Utilities estimates that the revenue impact of changes to the Minimum Payment Period to be approximately $0.3MM per year.
Arrears Payment Agreements	Distributors should not apply late payment charges on the amount covered by the Arrears Payment Agreements for all residential customers.	Alectra Utilities estimates that the revenue impact of changes to the Arrears Payment Arrangements to be approximately $0.03MM per year.

iii) Based on the programming and coding requirement changes required to Alectra Utilities' Customer Information System ("CIS"), Customer Care and Billing System ("CC&B"), Alectra Utilities worked with its CC&B vendor to estimate the costs for the changes identified in Table 1 below:

Table 1 – CC&B functional requirement changes

Policy Change	Customer Information System Requirements
Equal Billing Plans	Automation of certain Equal Payment Plan processes including annual reconciliations, extending the program to include small business customers, and implementing new programming to support payment arrangement requests
Collections activities and customer notices	Modifications to Collection Notices, processes and timelines to ensure compliance with all regulation requirements
Security Deposits	Automation to review and return security deposits for GS customers with Good Payment History
Minimum Payment Period	Implement minimum bill payment changes inclusive of Late Payment charge changes, bill print changes
Rate Order modifications	Configuration changes including discontinuation of Collection of Account charges, changes to bill print including the renaming of "Reconnection Charge", discontinuing Reconnection Charges to low-income customers
Allocation of Payment	Payment allocations are currently performed manually and tracked for monitoring and follow-up activities. Alectra Utilities will continue to monitor the volume of payment allocation requests. If volumes necessitate, automation will be required.
Arrears Payment Agreements	System changes required to discontinue Late Payment Charges to residential customers for arrears held within an Arrears Payment Agreement

b) During the rebasing deferral period, the OEB has amended the customer service rules applicable to Alectra Utilities. These changes result in additional costs for the utility that are not included in base rates and were not contemplated when the OEB approved the utility's creation in the MAADs Application. Alectra Utilities continues to incur ongoing operating costs to provide these services which include: collection activities; reminder notices; out-bound calls; final notices; and management of field activities. These changes also result in significant programming and coding changes in Alectra Utilities' Customer Information System ("CIS"), Customer Care and Billing System ("CC&B"). As Alectra Utilities is in a

rebasing deferral period, these policy changes will have a material impact on the organization over the remaining 8 years. Alectra Utilities has assessed the financial impact of all of the OEB's customer service rules policy changes on the organization.

c) Alectra Utilities' proposed effective date for this variance account is February 23, 2017, which is the date the OEB issued a Decision and Order (EB-2017-0101) amending the licences of all electricity distributors to prohibit the disconnection of residential customers from February 24, 2017 to April 30, 2017. As identified in response to part a) above, this resulted in a reduction in Collection of Account Charge revenue beginning in 2017. Alectra Utilities proposes to record the impact of changes to the Minimum Payment Period and Arrears Payment Arrangements effective March 1, 2020, which is the effective date for the implementation of these policy changes.

d) Alectra Utilities has completed Table 2 below which includes the charges or costs pertaining to the Collection of Account Charge.

Table 2 – Impact of the elimination of the Collection of Account charge

	$000s	PRZ	HRZ	BRZ	ERZ	GRZ	Total
A	OEB-Approved Revenue Offsets per last rebasing application	12,718	5,954	4,127	4,830	2,307	29,936
B	Charges related to nonpayment of accounts included in Revenue Offsets in last rebasing application	1,565	300	622	168	233	2,888
C	Costs related to nonpayment of accounts included in OM&A in last rebasing application	1,565	300	622	168	233	2,888
D	Net revenue offsets related to nonpayment of accounts in last rebasing application (B-C):	-	-	-	-	-	-
E	Estimated revenue impact included in Table 18 from nonpayment of accounts	1,348	290	632	242	-	2,511
F	Estimated cost savings from avoiding activities pertaining to nonpayment of accounts	-	-	-	-	-	-
G	Net estimated financial impact pertaining to nonpayment of accounts: (E - F)	1,348	290	632	242	-	2,511
H	OEB-Approved Distribution Revenue Requirement (Alectra Utilities)						535,411
I	Materiality (for Alectra Utilities) (0.5% x H), or $1MM for distributors with a distribution revenue requirement of more than $200 million						1,000

Notes:

1. Row C: Alectra Utilities is unable to isolate the costs related to non-payment of accounts in OM&A. The Collection of Account revenue charge is intended to cover the cost of this activity, and therefore rows B and C contain the same values.
2. Row F: As provided in response to part b), Alectra Utilities continues to incur ongoing operating costs of providing services related to the collection of accounts.
3. Rows H and I: Materiality is assessed at the Alectra wide level, and is $1MM for a distributor with distribution revenue greater than $200MM.

4. Row E: Alectra Utilities initially estimate of the impact to revenue, did not include an estimate for the Guelph RZ at the time of filing. Alectra Utilities estimates an impact of approximately $0.3MM for the Guelph RZ**.**

G-Staff-5

Reference: Exhibit 2, Tab 1, Schedule 4, Pages 11-13 of 18, Conservation Demand Management Severance Deferral Account ("CDMSDA")

Alectra Utilities is proposing to establish a deferral account to recover the costs of eliminating its Conservation Demand Management (CDM) programs, following the IESO's issuance of its Notice of Termination of the Energy Conservation Agreement, if the IESO does not approve and fund Alectra Utilities for these related costs.

Questions:

a) **Please update the status of the IESO's review and approval of Alectra Utilities' Wind Down estimate and whether these costs have been recovered (or have been approved to be recovered), as of this date. If the IESO has approved these amounts (in part or in full), please confirm Alectra Utilities intention to withdraw its request for the CDM Severance Deferral Account. If Alectra Utilities is not withdrawing its request for the CDM Severance Deferral Account, please answer the remaining questions.**

b) **Please provide a copy of the CDM Wind-Down Resource Plan and Estimate that Alectra submitted to the IESO.**

c) **Were the CDM employees contract employees or employees on Alectra Utilities' payroll. Please provide a break out by rate zone of the number of employees on contract and on payroll as well as the severance costs associated with each.**

d) **For those CDM employees who were on Alectra's payroll please explain what Alectra Utilities' plans were for those employees once the CDM programs were completed, given that CDM programs were meant to be of a temporary nature.**

e) **Please provide a more detailed breakdown of the $3.2 million included in Alectra Utilities' estimate (eg. number of employees, average severance paid to each, nature and magnitude of non-severance costs incurred by category, etc.).**

f) **Were any of Alectra Utilities' CDM programs funded through the base rates? Have the employees involved in the CDM operations that Alectra Utilities are terminating also worked on any business activities not related to CDM programs?**

g) **Please discuss how all other costs related to the Conservation First Framework have been collected by Alectra Utilities.**

h) What are Alectra Utilities' proposed effective and termination dates for this variance account? Please explain why the proposed effective date and termination date are appropriate.

Response:

a) On July 4, 2019, the IESO provided Alectra Utilities with partial approval of its Wind Down Cost Estimate. The IESO's approval letter is provided as G-Staff-5_Attach 1_IESO Approval Letter; and the Wind Down Cost Estimate spreadsheet from the IESO is provided as G-Staff-5_Attach 2_CDM Wind Down Cost Estimate, the latter of which includes a tab called "Unapproved Costs". Please note that Attachment 2 contains information that Alectra Utilities considers to be confidential. The relevant information has been redacted and a request for confidential treatment of the redacted information, along with confidential unredacted versions, will be filed under separate cover.

The unapproved amounts consist of labour costs that, more specifically, are portions of the planned separation costs applicable to the periods when employees, scheduled for termination over the Wind Down period, were employed prior to 2015, i.e., prior to the beginning of the CFF. Further, these submitted costs are applicable only to Full Cost Recovery ("FCR") funding as the Wind Down Cost Estimate accounts only for FCR funding activities and costs. All activities and costs (including labour and severance) pursuant to the Pay for Performance ("P4P") funding model are not captured in this Wind Down Cost Estimate and hence are not formally approved by the IESO at this point in time. Those costs will be incurred by Alectra Utilities, for which Alectra Utilities will invoice the IESO at a fixed rate per unit of energy savings. Alectra Utilities expects that the fixed rate is sufficient to cover all of its costs incurred, but is at risk that the IESO will deem the costs of severance for the pre-2015 period as ineligible, within the context of P4P funding model activities.

Alectra Utilities is not withdrawing its request for the CDM Severance Deferral Account due to the IESO's refusal to approve and reimburse for the labour (pre-2015 severance) costs, as described above. Alectra has contested the IESO's refusal to pay these costs. Alectra Utilities notes that, as a condition of its electricity distribution licence, it was obligated to promote and support provincial CDM policies and to achieve specific CDM targets through

the delivery of CDM programs in its service territory. Therefore, it is appropriate for Alectra Utilities to recover any such remaining amounts that it is unable to recover from the IESO.

The IESO approval of the former Guelph Hydro's Wind Down Cost Estimate has not yet been received but is expected before the end of August. Alectra Utilities and Guelph Hydro's merger was not reflected in a joint CDM Plan prior to the IESO's termination of the CFF.

b) Please see Attachment 2 filed in response to part a).

c) CDM employees included permanent employees and contract employees. The IESO has not distinguished between severance eligbility for permanent and contract employees, and the law requires Alectra Utilities to treat them equally, if contract employees have been employed for a long time. Please see response to part d).

d) There have been permanent employees who continued within CDM from the 2011-2014 framework and permanent employees who transferred to the CDM department from other functions within the company, so there were no "plans" for any of those employees as this would have been irrelevant. Pursuant to the *Employment Standards Act, S.O. 2000,* as well as under common law, staff under long term contracts (the original length of the CFF was six years) are entitled to the same termination (and other) rights as permanent employees. In addition, as per the Energy Conservation Agreement with the IESO, post-termination administrative costs such as employee severance costs are eligible expenses. The IESO has not distinguished between permanent and contract employees regarding eligibility of severance costs.

e) The total estimated employee separation cost of $3.266MM is for 39 CDM employees, or an average cost of $0.084MM, per employee. The IESO has stated that separation costs for CDM staff's period of employment prior to 2015 are not eligible expenses. Separation costs applicable to the period prior to 2015 are estimated at $1.540MM. By deduction, separation costs deemed eligible by IESO are $1.726MM. As required by the IESO, administrative expenses are appropriately allocated to programs and between the two funding

mechanisms. For this reason, separation costs have been allocated proportionately as 76% to P4P Retrofit program and the remaining 24% allocated to all other FCR programs. Separation costs include, where applicable, notice period pay, severance or salary continuance, as well as outplacement support services (the last of which was offered only to permanent employees or temporary employees with greater than five years of service). Outplacement support service costs are estimated at 1.79% of the total separation costs.

f) None of the CDM programs were funded through base rates. Some senior management employees have performed minimal work on non-CDM business activities; these have been addressed through shared services allocations.

g) All the other costs related to the CFF are addressed in the monthly settlement with the IESO. The IESO reimburses Alectra via this monthly settlement exercise based on the funding type, i.e., FCR or P4P.

h) Alectra Utilities' proposed effective date for this variance account is March 22, 2019, which is the effective date of the Wind Down. Alectra Utilities anticipates that the final CFF termination payments from the IESO will be completed by June 30, 2021.

G-STAFF-5
ATTACHMENT 1 – IESO APPROVAL LETTER

Connecting Today.
Powering Tomorrow.

Independent Electricity System Operator
1600-120 Adelaide Street West
Toronto, ON M5H 1T1
t 416.967.7474
www.ieso.ca

July 3, 2019

Attention: Nathalie McLauchlin,
Acting VP, Conservation and Demand Management
Alectra Utilities Corporation
161 Cityview Blvd, Vaughan, ON, L4H 0A9

Dear Nathalie

RE: Approval of Wind Down Cost Estimate ("Estimate") pursuant to the Energy Conservation Agreement ("ECA") between Alectra Utilities Corporation ("LDC") and the Independent Electricity System Operator (the "IESO")

The IESO acknowledges receipt of the Estimate on May 10, 2019 ("date"). The Estimate was submitted by the LDC pursuant to the CFF Wind Down Cost Guideline and ECA.[1]

By this letter, the IESO is notifying you that it has approved the Estimate pursuant to the CFF Wind Down Cost Guideline and ECA. The IESO's approval is made in reliance on the information provided by the LDC in the Estimate. For greater certainty, the IESO has included the following as part of the approved Estimate as per the attached approved Wind Down Cost Estimate Template:

1. estimates for eligible Multi-Site Application (MSA) fees and incentives;
2. estimates for Value Added Service (VAS) costs and HVAC incentives for the Save On Energy Heating and Cooling Program.

The LDC may now submit Post-Termination Administrative Costs as part of its regularly-submitted LDC Reports. The total amount of claimed Post-Termination Administrative Costs may not exceed the total amount approved in the Estimate. Revised Estimates may be submitted to the IESO between April 1, and April 30, 2020. Further, Post-Termination Administrative Costs submitted are still subject to review and approval by the IESO.

Eligible Participant Incentives contained in an LDC Report will continue to be settled via the "Reported Results" module in CDM-IS on the 15th day of each month. The subsequent payment to the LDC will occur on a monthly basis and therefore the LDC should submit corresponding LDC Reports to the IESO

[1] Terms used but not defined in this letter that are defined in the ECA will have the meanings given to them in the ECA.

monthly, through CDM-IS. These LDC Reports must be accompanied by supporting documentation for Post-Termination Administrative Costs.

Reimbursement of Participant Incentives and Post-Termination Administrative Costs is contingent on Participant Incentives and Post-Termination Administrative Costs being eligible for reimbursement pursuant to the ECA, including, for example and without limitation, being in relation to eligible Projects as per applicable Program Rules and, the CFF Wind Down Cost Guideline and the CFF Program Wind Dow Guideline.

The IESO will offset the amounts of $14,763,348 pre-funding received by the LDC once the final monthly LDC Report is submitted to the IESO, unless the LDC has notified the IESO of their own offsetting efforts in regards to the pre-funding received.

The LDC is reminded that under Article 10 of the ECA, it must retain complete and accurate books, accounts, records and other information, including invoices and receipts for payment issued to the LDC, for a period of seven years from the effective date of the termination of the ECA (i.e., June 20, 2019), and must make them available to the IESO on reasonable notice. These LDC obligations and IESO's audit rights under Article 10 of the ECA remain in effect.

This letter shall not constitute an amendment or waiver of any provision of the ECA.

The LDC shall not invoice, apply for, or accept duplicate funding for a Local Program or any part of a Local Program that is approved under the Interim Framework.

Should you have any questions or concerns, please do not hesitate to contact your LDC Business Advisor Mary Bernard.

Sincerely,

Terry Young

Vice-President - Policy, Engagement, and Innovation

SCHEDULE "A"

Documents submitted to the IESO:

#	File	File Name	Date Submitted
ALECTRA UTILITIES CORPORATION			
1	Supporting Cover Letter	Alectra- EPCOR CFF Wind Down Plan Submission Letter.pdf	May 10, 2019
2	Supporting Cover Letter	Alectra Wind Down Estimate cover letter May 10 2019.pdf	May 10, 2019
3	CFF Wind Down Cost Estimate Template	CFF Wind Down Cost Estimate Alectra Final – 05092019.xlsm	May 10, 2019
4	Supporting Document	Conservation First Framework Wind Down Plan Submission v8.docx	May 10, 2019

G-STAFF-5
ATTACHMENT 2 – CDM WIND DOWN COST ESTIMATE

LDC Submission Date:

Version 3.0

CFF Wind Down Cost Estimate Template

Instructions

LDCs are required to do the following:

1. Insert a submission date in cell B1 above.

2. Provide a complete list of anticipated eligible Participant Incentive payments post March 21, 2019, including **Anticipated Project Completion Date** and **Anticipated Incentive Payment Date** for each application. Please include all available applicant and facility information as per the template. Note: where applicable, each Phase of an application (PSU, HPNC, ECBx) should be included as a separate line item with the applicable Phase ID and incremental incentive amounts. Do **not** include any incentive cost or Value Added Services (VAS) Fees for VAS programs (Instant Discount and Heating & Cooling Program). The IESO will determine and publish the VAS incentive and fee estimates as part of a separate process.

3. Provide a complete forecast of all Administrative Expenses post March 21, 2019, including **Anticipated Reporting Period** (the period in which the expense is expected to be reported to the IESO for reimbursement). Please verify the columns 'C' through 'F' sum to column 'G'. In the 'Cost Category Descriptions' tab, please provide descriptions and additional information that outline all costs included in the 'Administrative Expenses' tab.

4. Compile supporting documents for wind down cost estimate submission. As per the ECA, all program activity and Eligilbe Expenses are subject to audit and the LDC is required to substantiate Eligible Expenses through supporting documentation. Supporting documents include but are not limited to:

- Non-personalized LDC labour costs (e.g. timesheets)
- Invoices / contracts/ supporting documents of LDC administrative costs
- Invoices / contracts/ supporting documents of LDC third party costs and expenses (including details of early termination costs or penalties)

5. Upload the estimation and supporting documents to the ***LDC Extranet Conservation Officer Community >> "Your LDC" >> Documents >> CFF Wind Down Estimates*** folder on the LDC Extranet and send an email notice to **ConservationContracts@ieso.ca** to inform the IESO of the posting **by May 21, 2019.**

Once the wind down cost estimate submission has been reviewed, the IESO may request additional information for clarifications.

Please refer to **CFF Wind Down Cost Guideline** and the **CFF Program Wind Down Guideline** for details on eligible Particpant Incentive and Administrative Expense considerations and additional information.

If you encounter problems, please contact LDC Support at **LDC.Support@ieso.ca**.

LDC Name	Program Name	LDC Labour Cost ($)	Third Party Cost ($)	Marketing Spend ($)	Other ($)	Expense Total ($)	Admin Cost Taxable (Yes/No)	Anticipated Invoice Period	Anticipated Reporting Period (submission to IESO)	Comments
Alectra Utilities Corporation	Business Refrigeration Incentive Program	1,250.09	-	-	-	1,250.09	Yes	Q2 2019	Q2 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy Audit Funding Program	7,625.07	-	-	-	7,625.07	Yes	Q2 2019	Q2 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy Energy Manager Program	4,817.87	-	-	-	4,817.87	Yes	Q2 2019	Q2 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy Existing Building Commissioning Program	251.41	-	-	-	251.41	Yes	Q2 2019	Q2 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	29,943.08	-	-	-	29,943.08	Yes	Q2 2019	Q2 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy Instant Discount Program	4,682.45	-	-	-	4,682.45	Yes	Q2 2019	Q2 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy New Construction Program	89.87	-	-	-	89.87	Yes	Q2 2019	Q2 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	23,412.23	-	-	-	23,412.23	Yes	Q2 2019	Q2 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	19,841.05	-	-	-	19,841.05	Yes	Q2 2019	Q2 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy Small Business Lighting Program	7,204.10	-	-	-	7,204.10	Yes	Q2 2019	Q2 2019	Alectra Burden
Alectra Utilities Corporation	Social Benchmarking Program	10,286.27	-	-	-	10,286.27	Yes	Q2 2019	Q2 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy Audit Funding Program	6,059.90	-	-	-	6,059.90	Yes	Q3 2019	Q3 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy Energy Manager Program	3,029.95	-	-	-	3,029.95	Yes	Q3 2019	Q3 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	18,179.70	-	-	-	18,179.70	Yes	Q3 2019	Q3 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy New Construction Program	3,029.95	-	-	-	3,029.95	Yes	Q3 2019	Q3 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	18,179.70	-	-	-	18,179.70	Yes	Q3 2019	Q3 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	24,239.61	-	-	-	24,239.61	Yes	Q3 2019	Q3 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy Audit Funding Program	6,059.90	-	-	-	6,059.90	Yes	Q4 2019	Q4 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy Energy Manager Program	3,029.95	-	-	-	3,029.95	Yes	Q4 2019	Q4 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	18,179.70	-	-	-	18,179.70	Yes	Q4 2019	Q4 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy New Construction Program	3,029.95	-	-	-	3,029.95	Yes	Q4 2019	Q4 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	18,179.70	-	-	-	18,179.70	Yes	Q4 2019	Q4 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	24,239.61	-	-	-	24,239.61	Yes	Q4 2019	Q4 2019	Alectra Burden
Alectra Utilities Corporation	Save on Energy Audit Funding Program	5,450.69	-	-	-	5,450.69	Yes	Q1 2020	Q1 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy Energy Manager Program	2,725.35	-	-	-	2,725.35	Yes	Q1 2020	Q1 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	16,352.07	-	-	-	16,352.07	Yes	Q1 2020	Q1 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy New Construction Program	2,725.35	-	-	-	2,725.35	Yes	Q1 2020	Q1 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	16,352.07	-	-	-	16,352.07	Yes	Q1 2020	Q1 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	21,802.76	-	-	-	21,802.76	Yes	Q1 2020	Q1 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy Audit Funding Program	5,450.69	-	-	-	5,450.69	Yes	Q2 2020	Q2 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy Energy Manager Program	2,725.35	-	-	-	2,725.35	Yes	Q2 2020	Q2 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	16,352.07	-	-	-	16,352.07	Yes	Q2 2020	Q2 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy New Construction Program	2,725.35	-	-	-	2,725.35	Yes	Q2 2020	Q2 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	16,352.07	-	-	-	16,352.07	Yes	Q2 2020	Q2 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	21,802.76	-	-	-	21,802.76	Yes	Q2 2020	Q2 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy Audit Funding Program	4,819.26	-	-	-	4,819.26	Yes	Q3 2020	Q3 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy Energy Manager Program	2,409.63	-	-	-	2,409.63	Yes	Q3 2020	Q3 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	14,457.77	-	-	-	14,457.77	Yes	Q3 2020	Q3 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy New Construction Program	2,409.63	-	-	-	2,409.63	Yes	Q3 2020	Q3 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	14,457.77	-	-	-	14,457.77	Yes	Q3 2020	Q3 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	19,277.03	-	-	-	19,277.03	Yes	Q3 2020	Q3 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy Audit Funding Program	4,819.26	-	-	-	4,819.26	Yes	Q4 2020	Q4 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy Energy Manager Program	2,409.63	-	-	-	2,409.63	Yes	Q4 2020	Q4 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	14,457.77	-	-	-	14,457.77	Yes	Q4 2020	Q4 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy New Construction Program	2,409.63	-	-	-	2,409.63	Yes	Q4 2020	Q4 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	14,457.77	-	-	-	14,457.77	Yes	Q4 2020	Q4 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	19,277.03	-	-	-	19,277.03	Yes	Q4 2020	Q4 2020	Alectra Burden
Alectra Utilities Corporation	Save on Energy Audit Funding Program	1,612.84	-	-	-	1,612.84	Yes	Q1 2021	Q1 2021	Alectra Burden
Alectra Utilities Corporation	Save on Energy Energy Manager Program	806.42	-	-	-	806.42	Yes	Q1 2021	Q1 2021	Alectra Burden
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	4,838.52	-	-	-	4,838.52	Yes	Q1 2021	Q1 2021	Alectra Burden
Alectra Utilities Corporation	Save on Energy New Construction Program	806.42	-	-	-	806.42	Yes	Q1 2021	Q1 2021	Alectra Burden
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	4,838.52	-	-	-	4,838.52	Yes	Q1 2021	Q1 2021	Alectra Burden
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	6,451.36	-	-	-	6,451.36	Yes	Q1 2021	Q1 2021	Alectra Burden
Alectra Utilities Corporation	Save on Energy Audit Funding Program	1,612.84	-	-	-	1,612.84	Yes	Q2 2021	Q2 2021	Alectra Burden
Alectra Utilities Corporation	Save on Energy Energy Manager Program	806.42	-	-	-	806.42	Yes	Q2 2021	Q2 2021	Alectra Burden
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	4,838.52	-	-	-	4,838.52	Yes	Q2 2021	Q2 2021	Alectra Burden
Alectra Utilities Corporation	Save on Energy New Construction Program	806.42	-	-	-	806.42	Yes	Q2 2021	Q2 2021	Alectra Burden
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	4,838.52	-	-	-	4,838.52	Yes	Q2 2021	Q2 2021	Alectra Burden
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	6,451.36	-	-	-	6,451.36	Yes	Q2 2021	Q2 2021	Alectra Burden
Alectra Utilities Corporation	Business Refrigeration Incentive Program	3,197.16	-	-	-	3,197.16	Yes	Q2 2019	Q2 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy Audit Funding Program	19,501.45	-	-	-	19,501.45	Yes	Q2 2019	Q2 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy Energy Manager Program	12,321.90	-	-	-	12,321.90	Yes	Q2 2019	Q2 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy Existing Building Commissioning Program	643.00	-	-	-	643.00	Yes	Q2 2019	Q2 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	76,580.68	-	-	-	76,580.68	Yes	Q2 2019	Q2 2019	Alectra Labour

LDC Name	Program Name	LDC Labour Cost ($)	Third Party Cost ($)	Marketing Spend ($)	Other ($)	Expense Total ($)	Admin Cost Taxable (Yes/No)	Anticipated Invoice Period	Anticipated Reporting Period (submission to IESO)	Comments
Alectra Utilities Corporation	Save on Energy Instant Discount Program	11,975.55	-	-	-	11,975.55	Yes	Q2 2019	Q2 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy New Construction Program	229.84	-	-	-	229.84	Yes	Q2 2019	Q2 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	59,877.76	-	-	-	59,877.76	Yes	Q2 2019	Q2 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	50,744.32	-	-	-	50,744.32	Yes	Q2 2019	Q2 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy Small Business Lighting Program	18,424.79	-	-	-	18,424.79	Yes	Q2 2019	Q2 2019	Alectra Labour
Alectra Utilities Corporation	Social Benchmarking Program	26,307.56	-	-	-	26,307.56	Yes	Q2 2019	Q2 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy Audit Funding Program	14,947.45	-	-	-	14,947.45	Yes	Q3 2019	Q3 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy Energy Manager Program	7,473.72	-	-	-	7,473.72	Yes	Q3 2019	Q3 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	44,842.34	-	-	-	44,842.34	Yes	Q3 2019	Q3 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy New Construction Program	7,473.72	-	-	-	7,473.72	Yes	Q3 2019	Q3 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	44,842.34	-	-	-	44,842.34	Yes	Q3 2019	Q3 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	59,789.79	-	-	-	59,789.79	Yes	Q3 2019	Q3 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy Audit Funding Program	14,947.45	-	-	-	14,947.45	Yes	Q4 2019	Q4 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy Energy Manager Program	7,473.72	-	-	-	7,473.72	Yes	Q4 2019	Q4 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	44,842.34	-	-	-	44,842.34	Yes	Q4 2019	Q4 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy New Construction Program	7,473.72	-	-	-	7,473.72	Yes	Q4 2019	Q4 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	44,842.34	-	-	-	44,842.34	Yes	Q4 2019	Q4 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	59,789.79	-	-	-	59,789.79	Yes	Q4 2019	Q4 2019	Alectra Labour
Alectra Utilities Corporation	Save on Energy Audit Funding Program	13,199.68	-	-	-	13,199.68	Yes	Q1 2020	Q1 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy Energy Manager Program	6,599.84	-	-	-	6,599.84	Yes	Q1 2020	Q1 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	39,599.03	-	-	-	39,599.03	Yes	Q1 2020	Q1 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy New Construction Program	6,599.84	-	-	-	6,599.84	Yes	Q1 2020	Q1 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	39,599.03	-	-	-	39,599.03	Yes	Q1 2020	Q1 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	52,798.71	-	-	-	52,798.71	Yes	Q1 2020	Q1 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy Audit Funding Program	13,199.68	-	-	-	13,199.68	Yes	Q2 2020	Q2 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy Energy Manager Program	6,599.84	-	-	-	6,599.84	Yes	Q2 2020	Q2 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	39,599.03	-	-	-	39,599.03	Yes	Q2 2020	Q2 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy New Construction Program	6,599.84	-	-	-	6,599.84	Yes	Q2 2020	Q2 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	39,599.03	-	-	-	39,599.03	Yes	Q2 2020	Q2 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	52,798.71	-	-	-	52,798.71	Yes	Q2 2020	Q2 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy Audit Funding Program	11,364.76	-	-	-	11,364.76	Yes	Q3 2020	Q3 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy Energy Manager Program	5,682.38	-	-	-	5,682.38	Yes	Q3 2020	Q3 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	34,094.28	-	-	-	34,094.28	Yes	Q3 2020	Q3 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy New Construction Program	5,682.38	-	-	-	5,682.38	Yes	Q3 2020	Q3 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	34,094.28	-	-	-	34,094.28	Yes	Q3 2020	Q3 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	45,459.04	-	-	-	45,459.04	Yes	Q3 2020	Q3 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy Audit Funding Program	11,364.76	-	-	-	11,364.76	Yes	Q4 2020	Q4 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy Energy Manager Program	5,682.38	-	-	-	5,682.38	Yes	Q4 2020	Q4 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	34,094.28	-	-	-	34,094.28	Yes	Q4 2020	Q4 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy New Construction Program	5,682.38	-	-	-	5,682.38	Yes	Q4 2020	Q4 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	34,094.28	-	-	-	34,094.28	Yes	Q4 2020	Q4 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	45,459.04	-	-	-	45,459.04	Yes	Q4 2020	Q4 2020	Alectra Labour
Alectra Utilities Corporation	Save on Energy Audit Funding Program	3,665.54	-	-	-	3,665.54	Yes	Q1 2021	Q1 2021	Alectra Labour
Alectra Utilities Corporation	Save on Energy Energy Manager Program	1,832.77	-	-	-	1,832.77	Yes	Q1 2021	Q1 2021	Alectra Labour
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	10,996.63	-	-	-	10,996.63	Yes	Q1 2021	Q1 2021	Alectra Labour
Alectra Utilities Corporation	Save on Energy New Construction Program	1,832.77	-	-	-	1,832.77	Yes	Q1 2021	Q1 2021	Alectra Labour
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	10,996.63	-	-	-	10,996.63	Yes	Q1 2021	Q1 2021	Alectra Labour
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	14,662.18	-	-	-	14,662.18	Yes	Q1 2021	Q1 2021	Alectra Labour
Alectra Utilities Corporation	Save on Energy Audit Funding Program	3,665.54	-	-	-	3,665.54	Yes	Q2 2021	Q2 2021	Alectra Labour
Alectra Utilities Corporation	Save on Energy Energy Manager Program	1,832.77	-	-	-	1,832.77	Yes	Q2 2021	Q2 2021	Alectra Labour
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	10,996.63	-	-	-	10,996.63	Yes	Q2 2021	Q2 2021	Alectra Labour
Alectra Utilities Corporation	Save on Energy New Construction Program	1,832.77	-	-	-	1,832.77	Yes	Q2 2021	Q2 2021	Alectra Labour
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	10,996.63	-	-	-	10,996.63	Yes	Q2 2021	Q2 2021	Alectra Labour
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	14,662.18	-	-	-	14,662.18	Yes	Q2 2021	Q2 2021	Alectra Labour
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	-	[redacted]				Yes	Q2 2020	Q2 2020	Annual Metering Subscription cost
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	-					Yes	Q4 2020	Q4 2020	Annual Metering Subscription cost
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	-					Yes	Q2 2019	Q2 2019	Annual Metering Subscription cost
Alectra Utilities Corporation	Business Refrigeration Incentive Program	-					Yes	Q2 2019	Q2 2019	Business Refrigeration Incentive Program Admin
Alectra Utilities Corporation	Business Refrigeration Incentive Program	-	605.56	-	-	605.56	Yes	Q2 2019	Q2 2019	Legal - People Services
Alectra Utilities Corporation	Save on Energy Audit Funding Program	-	3,693.65	-	-	3,693.65	Yes	Q2 2019	Q2 2019	Legal - People Services
Alectra Utilities Corporation	Save on Energy Energy Manager Program	-	2,333.82	-	-	2,333.82	Yes	Q2 2019	Q2 2019	Legal - People Services
Alectra Utilities Corporation	Save on Energy Existing Building Commissioning Program	-	121.79	-	-	121.79	Yes	Q2 2019	Q2 2019	Legal - People Services
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-	14,504.70	-	-	14,504.70	Yes	Q2 2019	Q2 2019	Legal - People Services
Alectra Utilities Corporation	Save on Energy Instant Discount Program	-	2,268.22	-	-	2,268.22	Yes	Q2 2019	Q2 2019	Legal - People Services

LDC Name	Program Name	LDC Labour Cost ($)	Third Party Cost ($)	Marketing Spend ($)	Other ($)	Expense Total ($)	Admin Cost Taxable (Yes/No)	Anticipated Invoice Period	Anticipated Reporting Period (submission to IESO)	Comments
Alectra Utilities Corporation	Save on Energy New Construction Program	-	43.53	-	-	43.53	Yes	Q2 2019	Q2 2019	Legal - People Services
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	-	11,341.09	-	-	11,341.09	Yes	Q2 2019	Q2 2019	Legal - People Services
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	-	9,611.18	-	-	9,611.18	Yes	Q2 2019	Q2 2019	Legal - People Services
Alectra Utilities Corporation	Save on Energy Small Business Lighting Program	-	3,489.73	-	-	3,489.73	Yes	Q2 2019	Q2 2019	Legal - People Services
Alectra Utilities Corporation	Social Benchmarking Program	-	4,982.76	-	-	4,982.76	Yes	Q2 2019	Q2 2019	Legal - People Services
Alectra Utilities Corporation	Social Benchmarking Program	-	[redacted]				Yes	Q2 2019	Q2 2019	[redacted]
Alectra Utilities Corporation	Social Benchmarking Program	-					Yes	Q2 2019	Q2 2019	
Alectra Utilities Corporation	Social Benchmarking Program	-					Yes	Q2 2019	Q2 2019	
Alectra Utilities Corporation	Social Benchmarking Program	-					Yes	Q3 2019	Q3 2019	
Alectra Utilities Corporation	Save on Energy Audit Funding Program	-	-	-	6,273.43	6,273.43	Yes	Q4 2019	Q4 2019	Portfolio Costs
Alectra Utilities Corporation	Save on Energy Energy Manager Program	-	-	-	3,136.72	3,136.72	Yes	Q4 2019	Q4 2019	Portfolio Costs
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-	-	-	18,820.29	18,820.29	Yes	Q4 2019	Q4 2019	Portfolio Costs
Alectra Utilities Corporation	Save on Energy New Construction Program	-	-	-	3,136.72	3,136.72	Yes	Q4 2019	Q4 2019	Portfolio Costs
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	-	-	-	18,820.29	18,820.29	Yes	Q4 2019	Q4 2019	Portfolio Costs
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	-	-	-	25,093.72	25,093.72	Yes	Q4 2019	Q4 2019	Portfolio Costs
Alectra Utilities Corporation	Save on Energy Audit Funding Program	-	-	-	2,811.60	2,811.60	Yes	Q4 2020	Q4 2020	Portfolio Costs
Alectra Utilities Corporation	Save on Energy Energy Manager Program	-	-	-	1,405.80	1,405.80	Yes	Q4 2020	Q4 2020	Portfolio Costs
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-	-	-	8,434.80	8,434.80	Yes	Q4 2020	Q4 2020	Portfolio Costs
Alectra Utilities Corporation	Save on Energy New Construction Program	-	-	-	1,405.80	1,405.80	Yes	Q4 2020	Q4 2020	Portfolio Costs
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	-	-	-	8,434.80	8,434.80	Yes	Q4 2020	Q4 2020	Portfolio Costs
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	-	-	-	11,246.40	11,246.40	Yes	Q4 2020	Q4 2020	Portfolio Costs
Alectra Utilities Corporation	Save on Energy Audit Funding Program	-	-	-	752.40	752.40	Yes	Q3 2021	Q3 2021	Portfolio Costs
Alectra Utilities Corporation	Save on Energy Energy Manager Program	-	-	-	376.20	376.20	Yes	Q3 2021	Q3 2021	Portfolio Costs
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-	-	-	2,257.20	2,257.20	Yes	Q3 2021	Q3 2021	Portfolio Costs
Alectra Utilities Corporation	Save on Energy New Construction Program	-	-	-	376.20	376.20	Yes	Q3 2021	Q3 2021	Portfolio Costs
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	-	-	-	2,257.20	2,257.20	Yes	Q3 2021	Q3 2021	Portfolio Costs
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	-	-	-	3,009.60	3,009.60	Yes	Q3 2021	Q3 2021	Portfolio Costs
Alectra Utilities Corporation	Social Benchmarking Program	-	[redacted]				Yes	Q3 2019	Q3 2019	[redacted]
Alectra Utilities Corporation	Business Refrigeration Incentive Program	900.20	-	-	-	900.20	Yes	[redacted]		Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Audit Funding Program	5,490.88	-	-	-	5,490.88	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Energy Manager Program	3,469.39	-	-	-	3,469.39	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Existing Building Commissioning Program	181.04	-	-	-	181.04	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	21,562.26	-	-	-	21,562.26	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Instant Discount Program	3,371.87	-	-	-	3,371.87	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy New Construction Program	64.71	-	-	-	64.71	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	16,859.34	-	-	-	16,859.34	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	14,287.70	-	-	-	14,287.70	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Small Business Lighting Program	5,187.73	-	-	-	5,187.73	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Social Benchmarking Program	7,407.23	-	-	-	7,407.23	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Audit Funding Program	1,370.44	-	-	-	1,370.44	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Energy Manager Program	685.22	-	-	-	685.22	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	4,111.31	-	-	-	4,111.31	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy New Construction Program	685.22	-	-	-	685.22	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	4,111.31	-	-	-	4,111.31	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	5,481.75	-	-	-	5,481.75	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Audit Funding Program	3,311.69	-	-	-	3,311.69	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Energy Manager Program	1,655.84	-	-	-	1,655.84	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	9,935.07	-	-	-	9,935.07	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy New Construction Program	1,655.84	-	-	-	1,655.84	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	9,935.07	-	-	-	9,935.07	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	13,246.75	-	-	-	13,246.75	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Audit Funding Program	2,297.59	-	-	-	2,297.59	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Energy Manager Program	1,148.80	-	-	-	1,148.80	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	6,892.78	-	-	-	6,892.78	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy New Construction Program	1,148.80	-	-	-	1,148.80	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	6,892.78	-	-	-	6,892.78	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	9,190.37	-	-	-	9,190.37	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Audit Funding Program	9,075.86	-	-	-	9,075.86	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Energy Manager Program	4,537.93	-	-	-	4,537.93	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	27,227.59	-	-	-	27,227.59	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy New Construction Program	4,537.93	-	-	-	4,537.93	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	27,227.59	-	-	-	27,227.59	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	36,303.46	-	-	-	36,303.46	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Audit Funding Program	7,494.68	-	-	-	7,494.68	Yes			Separation Costs - CFF

LDC Name	Program Name	LDC Labour Cost ($)	Third Party Cost ($)	Marketing Spend ($)	Other ($)	Expense Total ($)	Admin Cost Taxable (Yes/No)	Anticipated Invoice Period	Anticipated Reporting Period (submission to IESO)	Comments
Alectra Utilities Corporation	Save on Energy Energy Manager Program	3,747.34	-	-	-	3,747.34	Yes	[redacted]	[redacted]	Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	22,484.03	-	-	-	22,484.03	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy New Construction Program	3,747.34	-	-	-	3,747.34	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	22,484.03	-	-	-	22,484.03	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	29,978.70	-	-	-	29,978.70	Yes			Separation Costs - CFF
Alectra Utilities Corporation	Business Refrigeration Incentive Program	-	-	-	1,204.62	1,204.62	Yes	Q2 2019	Q2 2019	Shared Services
Alectra Utilities Corporation	Save on Energy Audit Funding Program	-	-	-	7,347.72	7,347.72	Yes	Q2 2019	Q2 2019	Shared Services
Alectra Utilities Corporation	Save on Energy Energy Manager Program	-	-	-	4,642.62	4,642.62	Yes	Q2 2019	Q2 2019	Shared Services
Alectra Utilities Corporation	Save on Energy Existing Building Commissioning Program	-	-	-	242.27	242.27	Yes	Q2 2019	Q2 2019	Shared Services
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-	-	-	28,853.95	28,853.95	Yes	Q2 2019	Q2 2019	Shared Services
Alectra Utilities Corporation	Save on Energy Instant Discount Program	-	-	-	4,512.13	4,512.13	Yes	Q2 2019	Q2 2019	Shared Services
Alectra Utilities Corporation	Save on Energy New Construction Program	-	-	-	86.60	86.60	Yes	Q2 2019	Q2 2019	Shared Services
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	-	-	-	22,560.65	22,560.65	Yes	Q2 2019	Q2 2019	Shared Services
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	-	-	-	19,119.36	19,119.36	Yes	Q2 2019	Q2 2019	Shared Services
Alectra Utilities Corporation	Save on Energy Small Business Lighting Program	-	-	-	6,942.06	6,942.06	Yes	Q2 2019	Q2 2019	Shared Services
Alectra Utilities Corporation	Social Benchmarking Program	-	-	-	9,912.12	9,912.12	Yes	Q2 2019	Q2 2019	Shared Services
Alectra Utilities Corporation	Save on Energy Audit Funding Program	-	-	-	6,731.86	6,731.86	Yes	Q3 2019	Q3 2019	Shared Services
Alectra Utilities Corporation	Save on Energy Energy Manager Program	-	-	-	3,365.93	3,365.93	Yes	Q3 2019	Q3 2019	Shared Services
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-	-	-	20,195.58	20,195.58	Yes	Q3 2019	Q3 2019	Shared Services
Alectra Utilities Corporation	Save on Energy New Construction Program	-	-	-	3,365.93	3,365.93	Yes	Q3 2019	Q3 2019	Shared Services
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	-	-	-	20,195.58	20,195.58	Yes	Q3 2019	Q3 2019	Shared Services
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	-	-	-	26,927.44	26,927.44	Yes	Q3 2019	Q3 2019	Shared Services
Alectra Utilities Corporation	Save on Energy Audit Funding Program	-	-	-	6,462.34	6,462.34	Yes	Q4 2019	Q4 2019	Shared Services
Alectra Utilities Corporation	Save on Energy Energy Manager Program	-	-	-	3,231.17	3,231.17	Yes	Q4 2019	Q4 2019	Shared Services
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-	-	-	19,387.02	19,387.02	Yes	Q4 2019	Q4 2019	Shared Services
Alectra Utilities Corporation	Save on Energy New Construction Program	-	-	-	3,231.17	3,231.17	Yes	Q4 2019	Q4 2019	Shared Services
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	-	-	-	19,387.02	19,387.02	Yes	Q4 2019	Q4 2019	Shared Services
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	-	-	-	25,849.36	25,849.36	Yes	Q4 2019	Q4 2019	Shared Services
Alectra Utilities Corporation	Save on Energy Audit Funding Program	-	-	-	5,626.52	5,626.52	Yes	Q1 2020	Q1 2020	Shared Services
Alectra Utilities Corporation	Save on Energy Energy Manager Program	-	-	-	2,813.26	2,813.26	Yes	Q1 2020	Q1 2020	Shared Services
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-	-	-	16,879.57	16,879.57	Yes	Q1 2020	Q1 2020	Shared Services
Alectra Utilities Corporation	Save on Energy New Construction Program	-	-	-	2,813.26	2,813.26	Yes	Q1 2020	Q1 2020	Shared Services
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	-	-	-	16,879.57	16,879.57	Yes	Q1 2020	Q1 2020	Shared Services
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	-	-	-	22,506.10	22,506.10	Yes	Q1 2020	Q1 2020	Shared Services
Alectra Utilities Corporation	Save on Energy Audit Funding Program	-	-	-	5,506.59	5,506.59	Yes	Q2 2020	Q2 2020	Shared Services
Alectra Utilities Corporation	Save on Energy Energy Manager Program	-	-	-	2,753.29	2,753.29	Yes	Q2 2020	Q2 2020	Shared Services
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-	-	-	16,519.77	16,519.77	Yes	Q2 2020	Q2 2020	Shared Services
Alectra Utilities Corporation	Save on Energy New Construction Program	-	-	-	2,753.29	2,753.29	Yes	Q2 2020	Q2 2020	Shared Services
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	-	-	-	16,519.77	16,519.77	Yes	Q2 2020	Q2 2020	Shared Services
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	-	-	-	22,026.36	22,026.36	Yes	Q2 2020	Q2 2020	Shared Services
Alectra Utilities Corporation	Save on Energy Audit Funding Program	-	-	-	4,391.59	4,391.59	Yes	Q3 2020	Q3 2020	Shared Services
Alectra Utilities Corporation	Save on Energy Energy Manager Program	-	-	-	2,195.80	2,195.80	Yes	Q3 2020	Q3 2020	Shared Services
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-	-	-	13,174.78	13,174.78	Yes	Q3 2020	Q3 2020	Shared Services
Alectra Utilities Corporation	Save on Energy New Construction Program	-	-	-	2,195.80	2,195.80	Yes	Q3 2020	Q3 2020	Shared Services
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	-	-	-	13,174.78	13,174.78	Yes	Q3 2020	Q3 2020	Shared Services
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	-	-	-	17,566.37	17,566.37	Yes	Q3 2020	Q3 2020	Shared Services
Alectra Utilities Corporation	Save on Energy Audit Funding Program	-	-	-	4,365.65	4,365.65	Yes	Q4 2020	Q4 2020	Shared Services
Alectra Utilities Corporation	Save on Energy Energy Manager Program	-	-	-	2,182.83	2,182.83	Yes	Q4 2020	Q4 2020	Shared Services
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-	-	-	13,096.95	13,096.95	Yes	Q4 2020	Q4 2020	Shared Services
Alectra Utilities Corporation	Save on Energy New Construction Program	-	-	-	2,182.83	2,182.83	Yes	Q4 2020	Q4 2020	Shared Services
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	-	-	-	13,096.95	13,096.95	Yes	Q4 2020	Q4 2020	Shared Services
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	-	-	-	17,462.61	17,462.61	Yes	Q4 2020	Q4 2020	Shared Services
Alectra Utilities Corporation	Save on Energy Audit Funding Program	-	-	-	1,345.68	1,345.68	Yes	Q1 2021	Q1 2021	Shared Services
Alectra Utilities Corporation	Save on Energy Energy Manager Program	-	-	-	672.84	672.84	Yes	Q1 2021	Q1 2021	Shared Services
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-	-	-	4,037.05	4,037.05	Yes	Q1 2021	Q1 2021	Shared Services
Alectra Utilities Corporation	Save on Energy New Construction Program	-	-	-	672.84	672.84	Yes	Q1 2021	Q1 2021	Shared Services
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	-	-	-	4,037.05	4,037.05	Yes	Q1 2021	Q1 2021	Shared Services
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	-	-	-	5,382.74	5,382.74	Yes	Q1 2021	Q1 2021	Shared Services
Alectra Utilities Corporation	Save on Energy Audit Funding Program	-	-	-	1,345.68	1,345.68	Yes	Q2 2021	Q2 2021	Shared Services
Alectra Utilities Corporation	Save on Energy Energy Manager Program	-	-	-	672.84	672.84	Yes	Q2 2021	Q2 2021	Shared Services
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-	-	-	4,037.05	4,037.05	Yes	Q2 2021	Q2 2021	Shared Services
Alectra Utilities Corporation	Save on Energy New Construction Program	-	-	-	672.84	672.84	Yes	Q2 2021	Q2 2021	Shared Services
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	-	-	-	4,037.05	4,037.05	Yes	Q2 2021	Q2 2021	Shared Services
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	-	-	-	5,382.74	5,382.74	Yes	Q2 2021	Q2 2021	Shared Services

LDC Name	Program Name	LDC Labour Cost ($)	Third Party Cost ($)	Marketing Spend ($)	Other ($)	Expense Total ($)	Admin Cost Taxable (Yes/No)	Anticipated Invoice Period	Anticipated Reporting Period (submission to IESO)	Comments
Alectra Utilities Corporation	Save on Energy Small Business Lighting Program	-	[redacted]				Yes	Q2 2019	Q2 2019	Small Business Lighting Program Admin
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-					Yes	Q2 2019	Q2 2019	Third Party Review Costs
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-					Yes	Q3 2019	Q3 2019	Third Party Review Costs
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-					Yes	Q4 2019	Q4 2019	Third Party Review Costs
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-					Yes	Q1 2020	Q1 2020	Third Party Review Costs
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-					Yes	Q2 2020	Q2 2020	Third Party Review Costs
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-					Yes	Q3 2020	Q3 2020	Third Party Review Costs
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	-					Yes	Q4 2020	Q4 2020	Third Party Review Costs
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	-					Yes	Q2 2019	Q2 2019	Third Party Review Costs
Alectra Utilities Corporation	Social Benchmarking Program	-					Yes	Q3 2019	Q3 2019	[redacted]
Alectra Utilities Corporation	Social Benchmarking Program	-					Yes	Q3 2019	Q3 2019	
Alectra Utilities Corporation	Social Benchmarking Program	-					Yes	Q4 2019	Q4 2019	

LDC Name	Program Name	LDC Labour Cost ($)	Third Party Cost ($)	Marketing Spend ($)	Other ($)	Expense Total ($)	Admin Cost Taxable (Yes/No)	Anticipated Invoice Period	Anticipated Reporting Period (submission to IESO)	Comments
Alectra Utilities Corporation	Business Refrigeration Incentive Program	488.47				488.47				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Audit Funding Program	2,979.46				2,979.46				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Energy Manager Program	1,882.56				1,882.56				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Existing Building Commissioning Program	98.24				98.24				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	11,700.11				11,700.11				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Instant Discount Program	1,829.64				1,829.64				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy New Construction Program	35.11				35.11				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	9,148.22				9,148.22				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	7,752.80				7,752.80				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Small Business Lighting Program	2,814.97				2,814.97				Separation Costs - Pre 2015
Alectra Utilities Corporation	Social Benchmarking Program	4,019.31				4,019.31				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Audit Funding Program	175.41				175.41				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Energy Manager Program	87.70				87.70				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	526.22				526.22				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy New Construction Program	87.70				87.70				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	526.22				526.22				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	701.63				701.63				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Audit Funding Program	3,484.17				3,484.17				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Energy Manager Program	1,742.08				1,742.08				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	10,452.50				10,452.50				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy New Construction Program	1,742.08				1,742.08				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	10,452.50				10,452.50				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	13,936.67				13,936.67				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Audit Funding Program	7,223.26				7,223.26				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Energy Manager Program	3,611.63				3,611.63				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	21,669.77				21,669.77				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy New Construction Program	3,611.63				3,611.63				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	21,669.77				21,669.77				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	28,893.03				28,893.03				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Audit Funding Program	10,999.71				10,999.71				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Energy Manager Program	5,499.86				5,499.86				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy High Performance New Construction Program	32,999.14				32,999.14				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy New Construction Program	5,499.86				5,499.86				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Process & Systems Upgrades Program FCR	32,999.14				32,999.14				Separation Costs - Pre 2015
Alectra Utilities Corporation	Save on Energy Retrofit Program FCR	43,998.85				43,998.85				Separation Costs - Pre 2015

G-Staff-6

Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) - Final Verified Results

Reference: Exhibit 5, Attachment 30 LRAMVA Workform HRZ_20190528
Exhibit 5, Attachment 31 LRAMVA Workform BRZ_20190528
Exhibit 5, Attachment 32 LRAMVA Workform PRZ_20190528
Exhibit 5, Attachment 33 LRAMVA Workform ERZ_20190528
Exhibit 5, Attachment 34 2017 Final IESO Results Report Alectra Utilities

The 2017 Final Verified Results Report issued by the IESO did not include verified energy and demand savings for each of Alectra Utilities' rate zones.

Questions:

a) Please explain how Alectra Utilities' program savings were allocated to the HRZ, ERZ, PRZ and BRZ. In your response, please describe how the approach used in this application compares to the approach used in the past.

b) Please show the allocation of savings to its four rate zones in response to this interrogatory.

Response:

a) The Independent Electricity System Operator ("IESO") provided a supplementary report (the "IESO Report") which identified energy and demand savings at the program and project level, including facility addresses. Alectra Utilities mapped the address information provided in the IESO Report to the appropriate rate zone.

Alectra Utilities was not required to separate program energy savings by rate zone prior to the 2017 Final Verified Results Report, as each of Alectra Utilities' predecessor utilities received their own Final Verified Results Reports from the IESO.

b) The allocation of savings by rate zone based on the 2017 verified results report is provided as G-Staff-6_Attach 1_ 2017 Final Verified Results Allocation. The allocation of savings by rate zone for the 2017 true-up is provided as G-Staff-6_Attach 2_2017 Trueup Allocation.

G-STAFF-6
ATTACHMENT 1 – 2017 FINAL VERIFIED RESULTS ALLOCATION

Sum of 2017 - kWh	Column Labels											
Row Labels	GS 50 - 499 kW	GS 50 - 4999 kW	GS 50 - 699 kW	GS 500 - 4999 kW	GS 700 - 4999 kW	GS<50 kW	Large Use	Large Use (2)	Residential	Unmetered Scattered Load	Streetlight	Per CDM
Brampton Hydro												
Business Refrigeration Incentives Local Program			182,312.85		2,704.40	682,232.24						867,249.49
Save on Energy Audit Funding Program			196,001.01		196,001.01	65,333.67	130,667.34					588,003.03
Save on Energy Business Refrigeration Incentive Program			77,003.42			120,644.24						197,647.66
Save on Energy Coupon Program									16,831,111.94			16,831,111.94
Save on Energy Energy Manager Program					44,943.38							44,943.38
Save on Energy Energy Performance Program for Multi-Site Customers												
Save on Energy Existing Building Commissioning Program												
Save on Energy Heating & Cooling Program									2,512,838.86			2,512,838.86
Save on Energy High Performance New Construction Program			100,372.97		368,670.25	70,653.82	136,357.49					676,054.53
Save on Energy Home Assistance Program									186,878.58			186,878.58
Save on Energy Instant Discount Program									15,905,626.91			15,905,626.91
Save on Energy New Construction Program									97,468.77			97,468.77
Save on Energy Process & Systems Upgrades Program												
Save on Energy Retrofit Program			7,699,714.67		6,097,263.20	2,920,204.27	141,356.86			15,896.47		16,874,435.48
Save on Energy Retrofit Program - P4P												
Save on Energy Retrofit Program Enabled Savings												
Save on Energy Small Business Lighting Program						702,265.87						702,265.87
Social Benchmarking Local Program												
Whole Home Pilot Program									374,618.99			374,618.99
Enersource												-
Business Refrigeration Incentives Local Program	258,107.80			1,737.11		1,314,778.85						1,574,623.76
Save on Energy Audit Funding Program	2,156,011.10			849,337.71			65,333.67					3,070,682.47
Save on Energy Business Refrigeration Incentive Program	110,969.10			6,078.07		230,621.49						347,668.65
Save on Energy Coupon Program									21,753,102.20			21,753,102.20
Save on Energy Energy Manager Program	293,328.64			1,067,905.82			419,934.54					1,781,169.00
Save on Energy Energy Performance Program for Multi-Site Customers												
Save on Energy Existing Building Commissioning Program												-
Save on Energy Heating & Cooling Program									3,731,147.75			3,731,147.75
Save on Energy High Performance New Construction Program				312,865.59								312,865.59
Save on Energy Home Assistance Program									397,474.43			397,474.43
Save on Energy Instant Discount Program									20,556,973.83			20,556,973.83
Save on Energy New Construction Program												
Save on Energy Process & Systems Upgrades Program												
Save on Energy Retrofit Program	112,430.59					83,296.70						195,727.28
Save on Energy Retrofit Program - P4P	9,900,415.70			6,511,505.16		1,678,831.00	1,116,654.70			17,974.07		19,225,380.63
Save on Energy Retrofit Program Enabled Savings												
Save on Energy Small Business Lighting Program	299,732.79					2,028,782.87						2,328,515.66
Social Benchmarking Local Program												
Whole Home Pilot Program									787,353.46			787,353.46
Horizon												-
Business Refrigeration Incentives Local Program		255,971.55				1,084,519.85						1,340,491.40
Save on Energy Audit Funding Program		261,334.68										261,334.68
Save on Energy Business Refrigeration Incentive Program		190,619.88				565,277.60						755,897.48
Save on Energy Coupon Program									17,430,921.28			17,430,921.28
Save on Energy Energy Manager Program												
Save on Energy Energy Performance Program for Multi-Site Customers		241,357.08										241,357.08
Save on Energy Existing Building Commissioning Program		-										-
Save on Energy Heating & Cooling Program									2,872,871.77			2,872,871.77
Save on Energy High Performance New Construction Program		62,712.55										62,712.55
Save on Energy Home Assistance Program									3,669.72			3,669.72
Save on Energy Instant Discount Program									16,472,454.80			16,472,454.80
Save on Energy New Construction Program												
Save on Energy Process & Systems Upgrades Program		952,273.77										952,273.77
Save on Energy Retrofit Program		8,303,258.77				2,539,962.62	1,177,070.85	6,331,896.57		2,026,906.59		20,379,095.39
Save on Energy Retrofit Program - P4P												
Save on Energy Retrofit Program Enabled Savings												
Save on Energy Small Business Lighting Program		98,410.35				1,726,867.57						1,825,277.92
Social Benchmarking Local Program									6,170,846.59			6,170,846.59
Whole Home Pilot Program									467,509.72			467,509.72
PowerStream												-
Business Refrigeration Incentives Local Program		666,168.31				1,014,670.48						1,680,838.79
Save on Energy Audit Funding Program		2,025,343.76				130,667.34						2,156,011.10
Save on Energy Business Refrigeration Incentive Program		60,712.31				150,549.17						211,261.47
Save on Energy Coupon Program									36,635,345.93			36,635,345.93
Save on Energy Energy Manager Program		574,052.28										574,052.28
Save on Energy Energy Performance Program for Multi-Site Customers		351,269.46										351,269.46
Save on Energy Existing Building Commissioning Program		27,970.15										27,970.15
Save on Energy Heating & Cooling Program									6,454,582.01			6,454,582.01
Save on Energy High Performance New Construction Program		13,536,132.63										13,536,132.63
Save on Energy Home Assistance Program									125,910.72			125,910.72

Save on Energy Instant Discount Program									34,620,894.10			34,620,894.10
Save on Energy New Construction Program									59,745.49			59,745.49
Save on Energy Process & Systems Upgrades Program		207,254.51										207,254.51
Save on Energy Retrofit Program		70,389,155.32				7,954,632.51	874,190.16				1,517,517.11	80,735,495.10
Save on Energy Retrofit Program - P4P						170,440.77						170,440.77
Save on Energy Retrofit Program Enabled Savings		474,578.28										474,578.28
Save on Energy Small Business Lighting Program		10,339.99				3,302,060.35						3,312,400.34
Social Benchmarking Local Program									27,741,794.88			27,741,794.88
Whole Home Pilot Program									361,728.10			361,728.10
Alectra												
Business Refrigeration Incentives Local Program												5,463,203.44
Save on Energy Audit Funding Program												6,076,031.28
Save on Energy Business Refrigeration Incentive Program												1,512,475.27
Save on Energy Coupon Program												92,650,481.36
Save on Energy Energy Manager Program												2,400,164.66
Save on Energy Energy Performance Program for Multi-Site Customers												592,626.54
Save on Energy Existing Building Commissioning Program												27,970.15
Save on Energy Heating & Cooling Program												15,571,440.39
Save on Energy High Performance New Construction Program												14,587,765.30
Save on Energy Home Assistance Program												713,933.45
Save on Energy Instant Discount Program												87,555,949.65
Save on Energy New Construction Program												157,214.27
Save on Energy Process & Systems Upgrades Program												1,159,528.28
Save on Energy Retrofit Program												118,184,753.25
Save on Energy Retrofit Program - P4P												19,395,821.40
Save on Energy Retrofit Program Enabled Savings												474,578.28
Save on Energy Small Business Lighting Program												8,168,459.79
Social Benchmarking Local Program												33,912,641.48
Whole Home Pilot Program												1,991,210.27
Total Alectra												410,596,248.50
Total Alectra	**13,130,995.72**	**98,688,915.61**	**8,255,404.93**	**8,749,429.44**	**6,709,582.24**	**28,537,293.27**	**4,061,565.61**	**6,331,896.57**	**232,552,870.86**	**2,060,777.13**	**1,517,517.11**	410,596,248.50
IESO Verified Report Total												410,677,397.00
Difference due to removing savings related to Collus.												(81,148.50)

Sum of 2017 - kW	**Column Labels**											
Row Labels	**GS 50 - 499 kW**	**GS 50 - 4999 kW**	**GS 50 - 699 kW**	**GS 500 - 4999 kW**	**GS 700 - 4999 kW**	**GS<50 kW**	**Large Use**	**Large Use (2)**	**Residential**	**Unmetered Scattered Load**	**Streetlight**	
Brampton Hydro												
Business Refrigeration Incentives Local Program			26.62		0.40	101.25						128.27
Save on Energy Audit Funding Program			23.22			2.90						26.12
Save on Energy Business Refrigeration Incentive Program			10.54			17.83						28.36
Save on Energy Coupon Program									1,167.24			1,167.24
Save on Energy Energy Manager Program					2.64							2.64
Save on Energy Energy Performance Program for Multi-Site Customers												-
Save on Energy Existing Building Commissioning Program												-
Save on Energy Heating & Cooling Program									756.86			756.86
Save on Energy High Performance New Construction Program			34.94		43.03	16.70	95.69					190.36
Save on Energy Home Assistance Program									39.45			39.45
Save on Energy Instant Discount Program									1,090.83			1,090.83
Save on Energy New Construction Program									22.90			22.90
Save on Energy Process & Systems Upgrades Program												-
Save on Energy Retrofit Program			1,747.61		821.06	452.53	17.30			6.87		3,045.38
Save on Energy Retrofit Program - P4P												-
Save on Energy Retrofit Program Enabled Savings												-
Save on Energy Small Business Lighting Program						141.08						141.08
Social Benchmarking Local Program												-
Whole Home Pilot Program									46.26			46.26
Enersource												-
Business Refrigeration Incentives Local Program	24.10			0.17		108.04						132.31
Save on Energy Audit Funding Program	95.77			37.73			2.90					136.40
Save on Energy Business Refrigeration Incentive Program	16.36			0.85		34.30						51.51
Save on Energy Coupon Program									1,508.58			1,508.58
Save on Energy Energy Manager Program	-			275.18			50.52					325.70
Save on Energy Energy Performance Program for Multi-Site Customers												-
Save on Energy Existing Building Commissioning Program												-
Save on Energy Heating & Cooling Program									1,077.61			1,077.61
Save on Energy High Performance New Construction Program				38.06								38.06
Save on Energy Home Assistance Program									88.11			88.11
Save on Energy Instant Discount Program									1,409.83			1,409.83
Save on Energy New Construction Program												-
Save on Energy Process & Systems Upgrades Program												-
Save on Energy Retrofit Program	6.58					-						6.58
Save on Energy Retrofit Program - P4P	1,637.40			943.88		335.05	88.29			2.54		3,007.17
Save on Energy Retrofit Program Enabled Savings												-

Save on Energy Small Business Lighting Program	48.67					409.84						458.52
Social Benchmarking Local Program												-
Whole Home Pilot Program									59.79			59.79
Horizon												-
Business Refrigeration Incentives Local Program		35.89				162.54						198.43
Save on Energy Audit Funding Program		11.61										11.61
Save on Energy Business Refrigeration Incentive Program		27.07				87.34						114.41
Save on Energy Coupon Program									1,208.84			1,208.84
Save on Energy Energy Manager Program												-
Save on Energy Energy Performance Program for Multi-Site Customers		-										-
Save on Energy Existing Building Commissioning Program		-										-
Save on Energy Heating & Cooling Program									838.64			838.64
Save on Energy High Performance New Construction Program		20.12										20.12
Save on Energy Home Assistance Program									0.77			0.77
Save on Energy Instant Discount Program									1,129.70			1,129.70
Save on Energy New Construction Program												-
Save on Energy Process & Systems Upgrades Program		119.09										119.09
Save on Energy Retrofit Program		1,274.30				444.58	157.39	461.56		4.53		2,342.35
Save on Energy Retrofit Program - P4P												-
Save on Energy Retrofit Program Enabled Savings												-
Save on Energy Small Business Lighting Program		13.91				324.41						338.32
Social Benchmarking Local Program									985.87			985.87
Whole Home Pilot Program									47.91			47.91
PowerStream												-
Business Refrigeration Incentives Local Program		98.44				157.92						256.36
Save on Energy Audit Funding Program		89.96				5.80						95.77
Save on Energy Business Refrigeration Incentive Program		8.65				23.46						32.11
Save on Energy Coupon Program									2,540.67			2,540.67
Save on Energy Energy Manager Program		318.06										318.06
Save on Energy Energy Performance Program for Multi-Site Customers		-										-
Save on Energy Existing Building Commissioning Program		10.56										10.56
Save on Energy Heating & Cooling Program									1,888.61			1,888.61
Save on Energy High Performance New Construction Program		2,736.89										2,736.89
Save on Energy Home Assistance Program									24.06			24.06
Save on Energy Instant Discount Program									2,374.35			2,374.35
Save on Energy New Construction Program									15.23			15.23
Save on Energy Process & Systems Upgrades Program		24.43										24.43
Save on Energy Retrofit Program		12,853.11				1,732.86	128.89					14,714.85
Save on Energy Retrofit Program - P4P						82.63						82.63
Save on Energy Retrofit Program Enabled Savings		-										-
Save on Energy Small Business Lighting Program		2.13				748.13						750.27
Social Benchmarking Local Program									6,302.84			6,302.84
Whole Home Pilot Program									100.69			100.69
Alectra												-
Business Refrigeration Incentives Local Program												715.38
Save on Energy Audit Funding Program												269.89
Save on Energy Business Refrigeration Incentive Program												226.39
Save on Energy Coupon Program												6,425.34
Save on Energy Energy Manager Program												646.40
Save on Energy Energy Performance Program for Multi-Site Customers												-
Save on Energy Existing Building Commissioning Program												10.56
Save on Energy Heating & Cooling Program												4,561.71
Save on Energy High Performance New Construction Program												2,985.43
Save on Energy Home Assistance Program												152.39
Save on Energy Instant Discount Program												6,004.71
Save on Energy New Construction Program												38.13
Save on Energy Process & Systems Upgrades Program												143.52
Save on Energy Retrofit Program												20,109.16
Save on Energy Retrofit Program - P4P												3,089.80
Save on Energy Retrofit Program Enabled Savings												-
Save on Energy Small Business Lighting Program												1,688.18
Social Benchmarking Local Program												7,288.71
Whole Home Pilot Program												254.64
Total Alectra												54,610.34
Grand Total	**1,828.89**	**17,644.21**	**1,842.91**	**1,295.87**	**867.13**	**5,389.21**	**540.98**	**461.56**	**24,725.63**	**13.94**		54,610.34
IESO Verified Report Total												54,623.00
Difference due to removal of savings related to Collus.												(12.66)

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ATTACHMENT 2 – 2017 TRUEUP ALLOCATION

Adjustments to the 2017 Energy Savings												
Row Labels	**GS 50 - 499 kW**	**GS 50 - 4999 kW**	**GS 50 - 699 kW**	**GS 500 - 4999 kW**	**GS 700 - 4999 kW**	**GS<50 kW**	**Large Use**	**Large Use (2)**	**Large User**	**Residential**	**Unmetered Scattered Load**	**Grand Total**
BRZ			**3,246,433.15**		**411,550.67**	**5,334,623.50**	**961,170.29**			**929,341.86**		**10,883,119.46**
Audit_Funding_Program			16,834.91									16,834.91
High_Performance_New_Construction_Program			98,433.35			43,669.26						142,102.61
New_Construction_Program										539,169.47		539,169.47
Process_and_Systems_Upgrades_Program							928,327.02					928,327.02
Save on Energy Retrofit Program			3,131,164.89		411,550.67	5,288,088.19	32,843.28			23,623.84		8,887,270.86
Save on Energy Coupon Program										21,705.78		21,705.78
Save on Energy Heating and Cooling Program										293,739.58		293,739.58
Smart Thermostat Program										51,103.18		51,103.18
Small_Business_Lighting						2,866.05						2,866.05
ERZ	**23,207,835.39**			**5,932,347.95**		**3,800,014.89**	**1,585,748.39**		**183,540.92**	**557,215.12**	**162,094.07**	**35,428,796.74**
Audit_Funding_Program	57,426.32			57,426.32								114,852.64
High_Performance_New_Construction_Program	84,269.35					23,250.27						107,519.63
Process_and_Systems_Upgrades_Program	250,704.36											250,704.36
Save on Energy Retrofit Program	22,487,553.81			4,671,750.62		3,774,828.62	1,585,748.39			45,139.36	162,094.07	32,727,114.87
Energy_Manager_Program	327,881.55			1,203,171.00					183,540.92			1,714,593.48
Save on Energy Coupon Program										28,053.29		28,053.29
Save on Energy Heating and Cooling Program										413,024.16		413,024.16
Smart Thermostat Program										70,998.31		70,998.31
Small_Business_Lighting						1,936.00						1,936.00
HRZ		**10,250,783.85**				**3,308,605.73**	**262,898.75**	**453,348.97**		**740,536.97**	**89,696.84**	**15,105,871.11**
High_Performance_New_Construction_Program		181,855.31										181,855.31
New_Construction_Program										385,864.23		385,864.23
Process_and_Systems_Upgrades_Program						355,631.75						355,631.75
Save on Energy Retrofit Program		5,093,389.06				2,489,098.73	262,898.75	453,348.97		875.05	89,696.84	8,389,307.40
Energy_Manager_Program		4,975,539.48				463,875.25						5,439,414.73
Save on Energy Coupon Program										22,479.31		22,479.31
Save on Energy Heating and Cooling Program										273,973.59		273,973.59
Smart Thermostat Program										57,344.79		57,344.79
PRZ		**16,347,110.51**				**1,909,846.79**				**1,010,966.99**	**57,426.32**	**19,325,350.61**
Audit_Funding_Program		114,852.64				-					57,426.32	172,278.95
High_Performance_New_Construction_Program						1,426.53						1,426.53
Home_Assistance_Program										9,096.33		9,096.33
New_Construction_Program										163,321.20		163,321.20
Process_and_Systems_Upgrades_Program		1,824,615.13										1,824,615.13
Save on Energy Retrofit Program		15,134,068.45				1,908,420.26				13,893.20		17,056,381.91
Energy_Manager_Program		(726,425.71)										(726,425.71)
Save on Energy Coupon Program										47,245.77		47,245.77
Save on Energy Heating and Cooling Program										642,825.78		642,825.78
Smart Thermostat Program										134,584.71		134,584.71
(blank)												
(blank)												
Grand Total	**23,207,835.39**	**26,597,894.36**	**3,246,433.15**	**5,932,347.95**	**411,550.67**	**14,353,090.91**	**2,809,817.43**	**453,348.97**	**183,540.92**	**3,238,060.93**	**309,217.23**	**80,743,137.92**

Adjustments to the 2017 Demand Savings												
Row Labels	**GS 50 - 499 kW**	**GS 50 - 4999 kW**	**GS 50 - 699 kW**	**GS 500 - 4999 kW**	**GS 700 - 4999 kW**	**GS<50 kW**	**Large Use**	**Large Use (2)**	**Large User**	**Residential**	**Unmetered Scattered Load**	**Grand Total**
BRZ			**562.86**		**67.06**	**708.72**	**5.46**			**225.17**		**1,569.27**
Audit_Funding_Program			2.03									2.03
High_Performance_New_Construction_Program			13.26			5.19						18.45
New_Construction_Program										79.45		79.45
Process_and_Systems_Upgrades_Program							-					-
Save on Energy Retrofit Program			547.57		67.06	703.12	5.46			-		1,323.21
Save on Energy Coupon Program										1.37		1.37
Save on Energy Heating and Cooling Program										144.35		144.35
Smart Thermostat Program										-		-
Small_Business_Lighting						0.41						0.41
ERZ	**3,860.04**			**725.15**		**608.30**	**217.28**		**-**	**212.61**	**5.55**	**5,628.93**
Audit_Funding_Program	1.70			1.70								3.39
High_Performance_New_Construction_Program	12.05					3.97						16.02
Process_and_Systems_Upgrades_Program	-											-
Save on Energy Retrofit Program	3,846.29			723.46		603.56	217.28			5.03	5.55	5,401.17
Energy_Manager_Program	-			-					-			-

Save on Energy Coupon Program										1.77		1.77
Save on Energy Heating and Cooling Program										205.81		205.81
Smart Thermostat Program										-		-
Small_Business_Lighting						0.77						0.77
HRZ		**943.36**				**207.50**	**47.98**	**76.99**		**192.42**	**14.90**	**1,483.17**
High_Performance_New_Construction_Program		16.64										16.64
New_Construction_Program										54.22		54.22
Process_and_Systems_Upgrades_Program						59.76						59.76
Save on Energy Retrofit Program		926.73				147.75	47.98	76.99		0.20	14.90	1,214.55
Energy_Manager_Program		-				-						-
Save on Energy Coupon Program										1.42		1.42
Save on Energy Heating and Cooling Program										136.59		136.59
Smart Thermostat Program										-		-
PRZ		**3,301.07**				**341.16**				**332.00**	**1.69**	**3,975.92**
Audit_Funding_Program		3.39				-					1.69	5.09
High_Performance_New_Construction_Program						1.16						1.16
Home_Assistance_Program										0.88		0.88
New_Construction_Program										7.07		7.07
Process_and_Systems_Upgrades_Program		31.35										31.35
Save on Energy Retrofit Program		3,266.33				340.00				-		3,606.33
Energy_Manager_Program		-										-
Save on Energy Coupon Program										2.98		2.98
Save on Energy Heating and Cooling Program										321.06		321.06
Smart Thermostat Program										-		-
(blank)												
(blank)												
Grand Total	**3,860.04**	**4,244.43**	**562.86**	**725.15**	**67.06**	**1,865.69**	**270.73**	**76.99**	**-**	**962.20**	**22.14**	**12,657.29**

G-STAFF-6
ATTACHMENT 3 – SEELINE ALECTRA 2017 TRUEUP REPORT

A REVIEW OF ALECTRA'S 2017 CDM SAVINGS TRUE-UP CALCULATIONS

SUBMITTED TO:

Indy Butany-DeSouza, John Bonadie

Alectra Utilities

2185 Derry Road W. Mississauga, ON L5N 7A6

By

416-918-2346

August 9, 2019

1. EXECUTIVE SUMMARY

Alectra Utilities (Alectra) contracted SeeLine Group Ltd (SeeLine) to confirm and verify the process and related calculations used for determining the 2017 CDM True-up savings. The source data for this validation were provided through the CDM reporting framework as established by the IESO. The calculations rely on available data from the IESO, with the applicable rates to calculate the lost revenues in each rate class.

As part of this exercise, SeeLine undertook the following activities:

- Review of the process used to estimate the 2017 True-up for consistency to OEB directions;
- Review of the various spreadsheets used by Alectra to calculate the 2017 True-up, including those provided by the IESO and those created by Alectra as part of the True-up exercise;
- Verification of a sample of calculations to assess the validity of the formulae, links to source data and any adjustments that may have been made by Alectra

On the basis of this review, SeeLine is confident that Alectra undertook an appropriate and correct approach to calculating the 2017 True-up and the resulting claims are correct. SeeLine further notes that as the IESO's Participation and Cost reports reflected unverified adjustments to the 2017 CDM program savings, Alectra undertook a review and validation exercise that resulted in an adjustment of the IESO reported savings of approximately 111 GW,h to a lower value of 81 GW.h that were ultimately reported by Alectra as the verified savings.

2. PROJECT APPROACH

For the purposes of the review, SeeLine was provided the following files:

CDM Spreadsheets:

2017 True Up Estimates - With Files from IESO 07232019 - Sent to Regulatory v2.xlsx: This file includes estimates generated by Alectra for the 2017 LRAM True-up kW/KWh savings estimates by program and rate zone. Measure level data contained in this file were provided by the IESO and were used by Alectra to generate project (facility) level kW/kWh level estimates.

2017 True Up Estimates - Process Explanation.xlsx: This file provides additional details for project (facility) level net kW saving estimated generated by Alectra for the 2017 LRAM True Up calculation.

2017-Final-Verified-Annual-LDC-CDM-Program-Results-Alectra-Utilities-Corporation-Report-20180629.xlsx. This file was developed by IESO and provides 2017 final verified CDM

results. The 2017 verified net-to-gross and realization rate adjustments included in this file are those used by Alectra to calculate 2017 True Up net peak demand (kW) estimates.

IESO Value-Added Services Report_Alectra Utilities Corporation 2019-04.xlsx:
This file was developed by the IESO and provides unverified adjustment to 2017 in 2018 for the following IESO programs included in Alectra's CDM Plan:

a) Save on Energy Coupon Program
b) Save on Energy Heating and Cooling Program
c) SMART Thermostat Program

Participation and Cost Report - Alectra Utilities Corporation - 2019 04.xlsx: This file was developed by the IESO and provides 2017 unverified year to date kWh (only) saving estimates used by Alectra to calculate 2017 True Up net energy (kWh) estimates.

Regulatory Spreadsheets:

Alectra_LRAMVA WorkForm BRZ.xlsx: This file was developed by Alectra and includes 2017 LRAM True Up net energy (kWh) and demand (kW) estimates for BRZ.

Alectra_LRAMVA WorkForm ERZ.xlsx: This file was developed by Alectra and includes 2017 LRAM True Up net energy (kWh) and demand (kW) estimates for ERZ.

Alectra_LRAMVA WorkForm HRZ.xlsx: This file was developed by Alectra and includes 2017 LRAM True Up net energy (kWh) and demand (kW) estimates for HRZ.

Alectra_LRAMVA WorkForm PRZ.xlsx: This file was developed by Alectra and includes 2017 LRAM True Up net energy (kWh) and demand (kW) estimates for PRZ.

The source data provided to Alectra by the IESO included all reported energy savings in kW.h for each program and for each LDC. The files included the various adjustments made to the source data that converted the gross savings to the net savings, including realization, net to gross and persistence rates.

In prior years, the IESO provided the source data for both energy (kW.h) savings and peak demand (kW). For 2017, the energy values were provided for all programs, however the kW values were only provided for the P4P projects. For all other programs and projects where a verified net demand (kW) estimate was not provided, Alectra relied on IESO published 2017 verified net-to-gross and realization rate adjustments estimates and applied these adjustment factors to the project (facility) level gross kW values. This approach is consistent with revisions issued on July 15th, 2019, by the Ontario Energy Board for the disposition of LRAMVA[1].

SeeLine checked the formulae, calculations and results for a random selection of the projects and determined that Alectra correctly applied the various adjustments required to establish the net peak values for the 2017 True-up period.

[1] Page 6, Ontario Energy Board Addendum to Filing Requirements For Electricity Distribution Rate Applications, 2020 Rate Applications.

SeeLine believes that this adjustment is appropriate but notes that Alectra's claimed True-up amount will not be consistent with the original IESO documentation.

With the energy and peak savings values established, Alectra then allocated the savings values to the various rate classes, reconciling the values to the IESO supplied Savings Report.

SeeLine verified that this approach was consistent with the direction provided by the OEB as identified above. Alectra employs a CRM system that ties the individual customer to the rate class and the resulting rate impacts are appropriately calculated.

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LRAMVA - Projected Interest in DVA Continuity Schedule

Reference: Exhibit 5, Attachment 12 IRM Model HRZ_20190528 (Tab 3)
Exhibit 5, Attachment 13 IRM Model BRZ_20190528 (Tab 3)
Exhibit 5, Attachment 14 IRM Model PRZ_20190528 (Tab 3)
Exhibit 5, Attachment 15 IRM Model ERZ_20190528 (Tab 3)

Exhibit 5, Attachment 30 LRAMVA Workform HRZ_20190528 (Tab 6)
Exhibit 5, Attachment 31 LRAMVA Workform BRZ_20190528 (Tab 6)
Exhibit 5, Attachment 32 LRAMVA Workform PRZ_20190528 (Tab 6)
Exhibit 5, Attachment 33 LRAMVA Workform ERZ_20190528 (Tab 6)

Questions:

a) Please confirm that Alectra Utilities' LRAMVA balances requested for disposition by rate zone have been recorded under "Transactions during 2018" for each of the respective DVA continuity schedules (cell BD46 and cell BI46 of Tab 3).

b) Please clarify whether the LRAMVA balances recorded under "Transactions during 2018" has included projected interest up to December 31, 2019. If yes, please revise the principal and interest columns in the DVA continuity schedule to ensure there is no double counting of carrying charges in 2019.

Response:

a) Alectra Utilities is applying for disposition of the balance in its the LRAM variance account ("LRAMVA") resulting from its Conservation and Demand Management ("CDM") activities in 2017 in the Horizon Utilities, Brampton, PowerStream and Enersource RZs. Alectra Utilities proposes to dispose of its 2018 LRAMVA balance in a future rate proceeding. Alectra Utilities identifies that the balance in Account 1568, LRAMVA, as identified in Tab "3. Continuity Schedule" does not match the amount being requested for disposition due to the exclusion of the 2018 balances, as mentioned previously.

Alectra Utilities' 2017 LRAMVA balances requested for disposition are recorded under "Transactions during 2017" and "Transactions during 2018". Alectra Utilities accrues LRAMVA revenue in the year in which the CDM savings occur, based on preliminary CDM results. Adjustments, based on the IESO's final verified savings report for 2017, are

recorded in the general ledger in 2018, when the IESO's verified savings report is issued. Finally, any additional true-up related to 2017 CDM savings have been recorded in the general ledger in 2019 based on the IESO's Participation and Cost Reports. The 2017 true-up was verified by SeeLine. Please see Alectra Utilities' response to G-Staff-6 for additional details. Alectra Utilities' LRAMVA work forms for the Horizon Utilities, Brampton, PowerStream and Enersource RZs incorporate CDM savings from the IESO's 2017 verified savings report and the 2017 true-up adjustment based on the Participation and Cost Reports.

b) The LRAMVA balances recorded under 'Transactions' do not include projected interest.

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Alectra Utilities Earnings Sharing Mechanism (ESM)
Reference: Exhibit 2, Tab 1, Schedule 6 – Alectra Utilities ESM

Alectra Utilities proposed ESM be calculated as a weighted average approved return on equity (ROE) starting in 2022, using the most recent approved rate base and ROE amounts for each of the legacy Alectra Utilities rate zones (HRZ, BRZ, ERZ, and PRZ), and share 50% of any over-earnings above 300 basis points with the legacy with these rate zones' ratepayers.

Questions:

a) **Please confirm that since all five rate zones will be consolidated during the ESM term, Alectra Utilities intends to adjust the RRR 2.1.5.6 figures to remove any revenues, costs, and assets (both direct and allocated) attributable to the Guelph RZ, for the purposes of calculating Alectra Utilities' ESM amounts. If not, please explain why not.**

b) **Please explain the various elements of the ESM that will require the Guelph RZ's portion of earnings to be allocated and removed, and the allocation methodologies Alectra Utilities will utilize to do that.**

c) **During years 8-10 of Alectra Utilities' deferred rebasing period, there will be two concurrent ESMs in place: the one proposed in this application, and the one related to the amalgamation with the former Guelph Hydro.**

   i. **Is it Alectra Utilities' intention to allocate all revenues and costs (with the exception of those not normally included for regulatory purposes) that are attributable to the four predecessor rate zones (BRZ, HRZ, ERZ, and PRZ) for the purposes of the ESM proposed in this application, and then allocate the amounts attributable to the GRZ for the ESM related to the Guelph Hydro amalgamation? If not, please explain.**

   ii. **Please provide a step-by-step description for what Alectra Utilities' approach will be for calculating amounts for each respective ESM during the years that there is an overlap of the two, including any possible adjustments for merger-related costs and savings (related to either merger), and with which ratepayers these calculated amounts are intended to be disposed to.**

Response:

a) Alectra Utilities confirms that intends to adjust the RRR 2.1.5.6 (ROE) figures to remove any revenues, costs and assets attributable to the Guelph Rate Zone, for the purpose of calculating Alectra Utilities' Earnings Sharing Mechanism ("ESM") amounts in years six to ten (2022-2026) of the rebasing deferral period. For example, if Alectra Utilities' earnings exceed 300 basis points above the regulated ROE in year six post consolidation (2022), it would report the applicable balance in the deferral account as part of its year seven (2023) IRM application. That balance would then be refunded to customers of the Enersource, Horizon Utilities, PowerStream and Brampton rate zones, only.

b) Alectra Utilities intends to use an allocation methodology similar to that employed for the Horizon ESM calculation. It may make modifications to the applicable allocation methodology in advance of its implementation as part of the Alectra Utilities ESM calculation.

c) i) As part of the Alectra Utilities and Guelph Hydro MAADs Application (EB-2018-0014), Alectra Utilities identified three separate ESM frameworks (Exhibit B, Tab 7, Schedule 2), as follows:

1. ESM related to the Horizon Utilities RZ, as provided in the Horizon Utilities Settlement Agreement (EB-2014-0002);
2. ESM related to years six to ten of the rebasing deferral period for Alectra Utilities' four predecessor rate zones, as accepted by the OEB in its decision on the MAADs application (EB-2016-0025); and
3. ESM related to years six to ten of the rebasing deferral period for the Guelph merger, as accepted by the OEB in its decision on the Alectra/Guelph MAADs (EB-2018-0014).

Alectra Utilities intends to allocate all the revenues and costs that are attributable to the four predecessor rate zones (BRZ, HRZ, PRZ, ERZ) for the purpose of the ESM methodology proposed in the 2020 Application, as it relates to EB-2016-0025 (i.e., the Alectra MAADs

transaction); and allocate the amounts attributable to the Alectra/Guelph transaction for the ESM proposed in EB-2018-0014 (i.e. second MAADs transaction).

ii) The computation for 2024 onwards when the Guelph ESM would be relevant is out of scope for this proceeding. The requirement for Alectra Utilities to file plans related to the ESM for Alectra Utilities was set out by the Board in the Alectra MAADs decision. The Board's direction only applied to the consolidation that was the issue of that proceeding and not that of Guelph. As a result, Alectra Utilities currently intends to allocate all the revenues and costs that are attributable to the four predecessor rate zones (BRZ, HRZ, PRZ, ERZ) for the purpose of the ESM methodology proposed in the 2020 Application, as it relates to EB-2016-0025 (i.e., the Alectra MAADs transaction); and to allocate the amounts attributable to the Alectra/Guelph transaction for the ESM proposed in EB-2008-0014 (i.e., the second MAADs transaction). However, in advance of the implementation of the ESM related to the Guelph transaction, Alectra will consider and provide a methodology to the Board, if appropriate, to derive the ESM in the overlapping years 8-10 of the Alectra MAADs transaction.

HRZ-Staff-1

Continuity Schedule – 2018 Balances
Reference: Exhibit 5, Attachment 12 IRM Model for the HRZ, Tab 3

OEB staff reviewed the amounts that Alectra Utilities entered for 2018 in the continuity schedule for HRZ.

Questions:

a) Alectra Utilities entered a debit principal disposition amount of $6,070,650 in Account 1595 (2018) which appears to be comprised of two elements: $6,388,690, pertaining to the sum of total disposition of the total Group 1 accounts and the LRAMVA disposition approved for 2018, and $318,040. Please provide explanation for the amount of $318,040 and explain how it was calculated.

b) Alectra Utilities did not enter any amount in cell BJ39 for the total interest disposition approved for 2018. Please update the continuity or explain why no interest amount should be reported in Account 1595 (2018).

Response:

a) Alectra Utilities confirms that the debit principal disposition amount of $6,070,650 in Account 1595 (2018) is comprised of two elements: a debit of $6,388,690 related to the principal amount and a credit of ($318,040). The credit of ($318,040) is the sum of the total OEB-approved interest disposition during 2018.

b) Alectra Utilities has updated, cell BJ36, in the continuity schedule for the Horizon Utilities RZ with the total interest disposition amount of ($318,040). The updated 2020 IRM Rate Generation Model for the Horizon Utilities RZ is filed in response to G-Staff-1.

HRZ-Staff-2

GA Allocation to Class A/B Transition Customers
Reference: Exhibit 5, Attachment 12 IRM Model for the HRZ, Tab 6.1a

As noted in the application, Alectra Utilities has computed the per kWh disposition for the HRZ to be $0.0007/kWh, which is below the pre-set disposition threshold. Alectra Utilities does not request disposition of its Group 1 account balances for the HRZ. In tab 6.1a of the IRM model that Alectra Utilities filed for the HRZ, the customer-specific monthly equal payments have been calculated.

Questions:

a) Please confirm that Alectra Utilities does not request to allocate these GA amounts to the Class A/B transition customers in the HRZ when it does not request disposition of the Group 1 accounts.

Response:

a) Alectra Utilities confirms that for each of its rate zones that did not meet the pre-set disposition threshold, and where it has not requested disposition of its Group 1 account balances, it also does not request disposition of the Global Adjustment ("GA") amounts to the Class A/B transition customers.

HRZ-Staff-3

Reference 1: IRM Rate Generator Model HRZ Tab 3 DVA Continuity Schedule
Reference 2: HRZ - 2018 GA Analysis Workform
Reference 3: EB-2018-0016 Interrogatory Responses

Questions:

a) A debit amount of $305,673 in cell BF28 for Account 1588 in the 2018 Principal Adjustments column of the HRZ DVA continuity schedule appears to be comprised of two elements: a credit amount of $587,573, pertaining to the reversal of Principal Adjustments from 2017, and a debit of $893,336. Please explain, in detail, what the debit amount of $893,336 represents and how it was calculated (Note: Alectra Utilities may refer to the response for interrogatory HRZ-Staff-28-a from EB-2018-0016 for the detail OEB staff is seeking).

b) A debit amount of $298,836 in cell BF29 for Account 1589 in the 2018 Principal Adjustments column of the HRZ DVA continuity schedule appears to be comprised of multiple elements: a debit amount of $836,256, pertaining to the reversal of Principal Adjustments from 2017, and two other adjustments in a credit amount of $1,956,654 and a debit amount of $821,562. The credit amount of $1,956,654 has been identified on the GA Analysis Workform as reconciling item 1b (current year RPP Settlement True-up booked in subsequent year) and the debit amount of $821,562 has been identified on the GA Analysis Workform as reconciling item 2b (current unbilled to actual revenue differences). Please explain, in detail, how the credit amount of $1,956,654 was calculated (Note: Alectra Utilities may refer to the response for interrogatory HRZ-Staff-28-b from EB-2018-0016 for the detail OEB staff is seeking).

c) The adjustment referred to in part b) above for a credit of $1,956,654 is described by Alectra Utilities in the GA Analysis Workform as "DR $1,957k relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year". The adjustment is described as both a debit and credit entry, however, it is recorded as a credit. Please confirm whether this adjustment should be a debit or credit entry. If necessary, please update the GA Analysis Workform and DVA continuity schedule.

d) The adjustment referred to in part b) above for a debit of $821,562 is described by Alectra Utilities in the GA Analysis Workform as "CR $822k relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year". The adjustment is described as a credit entry, however, it is recorded as a debit adjustment. Please confirm whether this adjustment should be a debit or credit entry. If necessary, please update the GA Analysis Workform and DVA continuity schedule.

e) Please provide a table similar to the one provided in interrogatory response ERZ-Staff-76-c from EB-2018-0016 to provide the underlying calculation of unbilled revenue difference shown as reconciling item 2b in the HRZ 2018 GA Analysis Workform.

Response:

a) The principal adjustment made to Account 1588, a debit of $305,673, is comprised of the reversal of the prior year (2017) Regulated Price Plan ("RPP") settlement true-up recorded in the current year (2018) in the amount of ($587,573), combined with the current year (2018) RPP settlement true-up booked in the subsequent year (2019) in the amount of $893,336. The detailed calculation of the current year (2018) RPP true-up calculation which was recorded in 2019 in the amount of $893,336 is provided in Table 1, below.

Table 1 – Account 1588 RPP True-Up Reconciliation

Period in which True-up was Claimed	Period the True-up is related to	Total RPP Consumption (kWh) (A)	WHASP (B)	RPP kWHs Billed @ WHASP C=(A x B)	Actual Billed (D)	E=(C-D)	Estimated Settlement on Form 1598 (F)	True-up (E-F)
January 2019	October 2018	173,329,354	$ 0.01416	$ 2,453,669	$ 14,274,855	$ (11,821,186)	$ (10,932,605)	$ (888,581)
February 2019	November 2018	182,927,214	$ 0.02543	$ 4,652,323	$ 15,126,184	$ (10,473,862)	$ (10,614,291)	$ 140,429
March 2019	December 2018	202,046,123	$ 0.02790	$ 5,636,325	$ 16,431,657	$ (10,795,332)	$ (10,650,148)	$ (145,184)
TOTAL				**$ 12,742,317**	**$ 45,832,696**	**$ (33,090,379)**	**$ (32,197,044)**	**$ (893,336)**

b) The principal adjustment made to Account 1589 of ($298,836) is comprised of the following items:

- The reversal of the prior year RPP settlement true-up booked in the current year (2018) in the amount of $1,842,135, combined with the current year (2018) RPP settlement true-up booked in the subsequent year (2019) in the amount of ($1,956,654).
- The reversal of the prior year (2017) unbilled to actual revenue difference in the amount of ($1,005,879), combined with the current year (2018) unbilled to actual revenue difference in the amount of $821,562.

The detailed calculation of the current year (2018) RPP true-up calculation which was booked in 2019 in the amount of ($1,956,654) is provided in Table 2, below.

Table 2 – Account 1589 RPP True-Up Reconciliation

Period in which True-up was Claimed	Period the True-up is related to	Total RPP Consumption (kWh) (A)	CLASS B ACTUAL GA RATE (B)	RPP kWHs Billed @ ACTUAL GA RATE C=(A x B)	Estimated Settlement on Form 1598 (F)	True-up (E-F)
January 2019	October 2018	173,329,354	$ 0.12059	$ 20,901,787	$ 19,176,050	$ 1,725,737
February 2019	November 2018	182,927,214	$ 0.09855	$ 18,027,477	$ 18,372,530	$ (345,053)
March 2019	December 2018	202,046,123	$ 0.07404	$ 14,959,495	$ 14,383,525	$ 575,970
TOTAL				**$ 53,888,759**	**$ 51,932,105**	**$ 1,956,654**

c) The adjustment of ($1,956,654) relates to the current year (2018) GA true up which was recorded in the GL in the following year (2019). Alectra Utilities confirms that the adjustment should be a credit entry. Alectra Utilities has updated explanation 1b in the GA Analysis Workform for the Horizon Utilities RZ.

d) The adjustment of $821,562 relates to the current year (2018) unbilled to actual revenue difference. Alectra Utilities confirms that the adjustment should be a debit entry. Alectra Utilities has updated explanation 2b in the GA Analysis Workform for the Horizon Utilities RZ. The revised GA workform is provided as HRZ-Staff-3_Attach 1_ GA Workform HRZ.

e) The unbilled revenue reconciling item in the amount of $821,562 is the result of the difference between the December 2018 actual and accrued Class B consumption multiplied by the GA 1st estimate rate for December of $0.09198 per kWh. A reconciliation is provided in Table 3, below.

Table 3 – Unbilled Reconciliation

	2018
Accrued December GA Consumption (kWh)	123,168,633.38
Actual December GA Consumption (kWh)	114,236,664.59
Over/(Under) Accrued Consumption	8,931,968.79
GA 1st Estimate Rate (December)	0.09198
Unbilled 1st Estimate Rate (December) ($)	$ 821,562.49

HRZ-STAFF-3
ATTACHMENT 1 – GA WORKFORM HRZ

Ontario Energy Board

GA Analysis Workform

Account 1589 Global Adjustment (GA) Analysis Workform

Input cells
Drop down cells

Note 1 **Year(s) Requested for Disposition** 2018

Note 2 **Consumption Data Excluding for Loss Factor (Data to agree with RRR as applicable)**

Year		2018		
Total Metered excluding WMP	C = A+B	4,621,984,752	kWh	100%
RPP	A	2,286,966,814	kWh	49.5%
Non RPP	B = D+E	2,335,017,938	kWh	50.5%
Non-RPP Class A	D	991,491,284	kWh	21.5%
Non-RPP Class B*	E	1,343,526,654	kWh	29.1%

*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

Note 3 **GA Billing Rate**

GA is billed on the 1st Estimate

GA Billing Rate Description

Horizon RZ bills customers based on the GA first estimate, and the IESO charges GA based on actual GA rates. Horizon RZ applies GA first estimate on all billing and unbilled revenue transactions for non-RPP Class B customers in each customer class.

Note 4 **Analysis of Expected GA Amount**

Year				2018						
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed ($/kWh)	$ Consumption at GA Rate Billed	GA Actual Rate Paid ($/kWh)	$ Consumption at Actual Rate Paid	Expected GA Variance ($)	
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K	
January	122,524,832	134,432,429	139,058,700	127,151,103	0.08777	$ 11,160,052	0.06736	$ 8,564,898	-$	2,595,154
February	121,575,529	139,058,700	125,654,664	108,171,493	0.07333	$ 7,932,216	0.08167	$ 8,834,366	$	902,150
March	119,222,936	125,654,664	111,067,190	104,635,462	0.07877	$ 8,242,135	0.09481	$ 9,920,488	$	1,678,353
April	111,956,186	111,067,190	120,297,518	121,186,513	0.09810	$ 11,888,397	0.09959	$ 12,068,965	$	180,568
May	119,429,709	120,297,518	106,371,950	105,504,141	0.09392	$ 9,908,949	0.10793	$ 11,387,062	$	1,478,113
June	111,965,341	106,371,950	133,639,854	139,233,246	0.13336	$ 18,568,146	0.11896	$ 16,563,187	-$	2,004,959
July	114,640,255	133,639,854	154,328,227	135,328,628	0.08502	$ 11,505,640	0.07737	$ 10,470,376	-$	1,035,264
August	131,681,402	154,328,227	135,242,397	112,595,571	0.07790	$ 8,771,195	0.07490	$ 8,433,408	-$	337,787
September	121,103,376	135,242,397	135,368,396	121,229,375	0.08424	$ 10,212,363	0.08484	$ 10,285,100	$	72,738
October	118,309,121	135,368,396	121,477,488	104,418,213	0.08921	$ 9,315,149	0.09855	$ 10,290,415	$	975,266
November	112,815,085	121,477,488	103,055,548	94,393,145	0.12235	$ 11,549,001	0.12059	$ 11,382,869	-$	166,132
December	103,248,819	103,055,548	123,168,633	123,361,905	0.09198	$ 11,346,828	0.07404	$ 9,133,715	-$	2,213,113
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	**1,408,472,591**	**1,519,994,361**	**1,508,730,566**	**1,397,208,796**		**$ 130,400,070**		**$ 127,334,850**	**-$**	**3,065,220**
		Calculated Loss Factor		**1.0400**						

Note 5 **Reconciling Items**

	Item	Applicability of Reconciling Item (Y/N)	Amount (Quantify if it is a significant reconciling item)	Explanation
Net Change in Principal Balance in the GL (i.e. Transactions in the Year)			**-$ 4,015,065**	
1a	Remove impacts to GA from prior year RPP Settlement true up process that are booked in current year		$ 1,842,135	$1,842k related to prior year but included in the GL in the current year, therefore, should record DR in current year
1b	Add impacts to GA from current year RPP Settlement true up process that are booked in subsequent year		-$ 1,956,654	$1,957k relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year
2a	Remove prior year end unbilled to actual revenue differences		-$ 1,005,879	$1,006k relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year
2b	Add current unbilled to actual revenue differences		$ 821,562	$822k relates to current year but recorded in the GL in the following year, therefore, should record the DR in current year
3a	Remove difference between prior year accrual to forecast from long term load transfers			No difference between prior year accrual to forecast from long term load transfers
3b	Add difference between current year accrual to forecast from long term load transfers			No difference between current year accrual to forecast from long term load transfers
4	Remove GA balances pertaining to Class A customers			Insignificant amount relating to Class A customers
5	Significant prior period billing adjustments included in current year GL balance but would not be included in the billing consumption used in the GA Analysis			No significant prior period billing adjustments
6	Differences in GA IESO posted rate and rate charged on IESO invoice			Not a reconciling item
7				
8				
9				
10				

Note 6

Adjusted Net Change in Principal Balance in the GL	-$	4,313,900
Net Change in Expected GA Balance in the Year Per Analysis	-$	3,065,220
Unresolved Difference	-$	1,248,680
Unresolved Difference as % of Expected GA Payments to IESO		-0.98%

HRZ-Staff-4

Renewable Generation Connection Rate Protection (RGCRP)
Reference 1: Exhibit 3, Tab 1, Schedule 9
Reference 2: Horizon Utilities' 2011 Cost of Service (COS) Application- Draft rate order- Appendix E – GEA Rate Rider Model

Page 63 of Horizon Utilities' 2011 Decision and Order[1] states:

> **The Board finds that the GEA Plan expenditure are within the scope of permitted initiatives in the Board's DSP Filing Requirements, and that the GEA Plan expenditures from 2011-2014 are prudent. The Board approves Horizon's GEA Plan as filed. The Board understands that this approval of Horizon's GEA Plan commits the utility to incur the investments and expenditures and implement the programs.**

The above referenced GEA plan as filed in the 2011 proceeding was on page 62 of the 2011 Decision and Order:

GEA plan amounts requested for prudence and recovery

Year	Operating Expenditures	Capital Expenditures
2011	$530,000	nil
2012	$640,000	$156,000
2013	$640,000	$192,000
2014	$590,000	$1,682,000
Total	$2,400,000	$2,030,000

The OEB's finding section of the 2011 Decision and Order further states that:

> **For costs for 2012 to 2014, Horizon is directed to propose rate riders for each year that would recover the incremental revenue requirement associated with capital expenditures in service in that year and incremental operating expenses in that year. In the draft Rate Order filing, Horizon should document the derivation of the incremental revenue requirement and associated rate riders, clearly showing all assumptions and calculations, including the application of the direct benefit percentages established by the Board for Hydro One Networks Inc. in EB-2009-0096, which Horizon agreed to apply in its reply submission.**

[1] Decision and Order, EB-2011-0131, issued August 3, 2011

As per the GEA rate rider model filed in the draft rate order stage, the associated capital investment each year from 2012 to 2014 is below:

Cost	2011	2012	2013	2014
Renewable Connections Capital - Expansions	0	108,000	96,000	348,000
Renewable Connections Capital - Renewable Enabling Improvements	0	48,000	96,000	84,000
Feeder Automation Projects				1,250,000
TOTAL	0	156,000	192,000	1,682,000

As per the GEA rate rider model in the 2011 COS application, the rate riders associated with the investment each year are summarized as following:

	2012	2013	2014
GEA rate rider	0.0395	0.0403	0.0488
Provincial Rate Protection – Annual	$8,480	$25,084	$52,884
Monthly Amount Paid by the IESO	$707	$2,090	$4,407

Questions:

a) **Please confirm that the $8,480 (i.e. the monthly payment of $707) received by Horizon Utilities (or Alectra Utilities for the HRZ) since 2012 to 2018 was related to the specific renewable investment of the forecasted amount of $156,000 in the 2011 GEA plan that was proposed and approved by the OEB for the year of 2012 only. If confirmed, please explain why Horizon Utilities has continued collecting the provincial payment from the IESO using the 2012 investment in the years of 2013 to 2018.**

b) **Please map the annual actual investment incurred by Horizon Utilities to the forecasted investment from 2012 to 2014 in the 2011 Decision and Order, including the nature of the investment and category of the investment (Renewable Connections Capital – Expansions, Renewable Connections Capital - Renewable Enabling Improvements and feeder automation projects). Please provide the analysis in a table and explain the variances.**

c) **What was the actual amount of revenue requirement associated with the GEA investments that pertaining to Horizon Utilities' own customers? After Horizon**

Utilities collected the GEA funding from its own customers through the GEA rate riders in 2012, 2013 and 2014, did Horizon Utilities true up the variance between the amount collected from its customers and the revenue requirement based on actual amounts spent? If yes, please provide the calculations of the true-up and explain how this amount was disposed to customers. If the true up has not been performed please explain why it has not, and provide updated revenue requirement calculations based on actual amounts spent, the true up amount, and a proposal for disposition of the true up amount.

Response:

a) Alectra Utilities confirms that the $8,480 received by Alectra Utilities' predecessor, Horizon Utilities in 2012 to 2018 was related to the provincial portion of the specific renewable investment proposed in the 2011 Cost of Service Application, EB-2010-0131, for the year of 2012 only. Horizon Utilities continued to request funding for the provincial payment related to GEA investments to support ongoing revenue requirement related to the proposed investments.

b) A reconciliation of the actual annual investments incurred from 2012 to 2014, were compared to the approved investment of $156,000 for the 2012 year only, in Alectra Utilities Renewable Generation Connection Rate Protection ("RGCRP") Model. The model has been updated to include Tab 'Approved 2012 Capital' that identifies the 2012 investment. All of the investments relate to Renewable Connections Capital – Expansions. The updated RGCRP Model is filed as HRZ-Staff-4_Attach 1_RGCRP HRZ.

c) The actual revenue requirement associated with the GEA investments that pertain to Horizon Utilities' own customers is provided in HRZ_Staff-4_Attach 1_RCGRP HRZ. Horizon Utilities did not true-up the amounts collected from its customers to the actual revenue requirement. A true-up reconciliation of the variance between the amount collected from Horizon Utilities' customers and the revenue requirement based on actual amounts spent is provided in Table 1 below. Alectra Utilities requests to refund this variance ($71,362) to Horizon Utilities' customers over a twelve month period. The proposed fixed rate riders are provided in Table 2 and are filed as HRZ-Staff-4_Attach 2_GEA Rate Rider Calculation.

Table 1 – Reconciliation of GEA True Up

Year	Rate Rider Collected from HRZ Customers	OEB Approved Principal and Interest Disposition	Carrying Charge	Revenue Requirement from HRZ Customers	Total
2012	$ 140,314.37		$ 945.03	$ (12,132.75)	$ 129,126.65
2013	$ 140,836.26		$ 3,010.44	$ (19,298.97)	$ 124,547.73
2014	$ 141,573.07		$ 5,379.39	$ (25,006.55)	$ 121,945.91
2015		$ (306,456.44)	$ 2,198.06		$ (304,258.38)
Total	**$ 422,723.70**	**$ (306,456.44)**	**$ 11,532.92**	**$ (56,438.27)**	**$ 71,361.91**

Table 2 – GEA Fixed Rate Rider

Rate Class	2018 Monthly Billing Determinant (Customer Count)	GEA Revenue Refund	Fixed Rate Rider
Residential	226,840	$ (64,791)	$ (0.02)
General Service < 50 kW	18,992	$ (5,425)	$ (0.02)
Unmetered Scattered Load	1,784	$ (510)	$ (0.02)
General Service 50 kW - 4999 kW	2,057	$ (588)	$ (0.02)
Large Use (1)	4	$ (1)	$ (0.02)
Large Use (2) with Dedicated Assets	7	$ (2)	$ (0.02)
Street Lighting	4	$ (1)	$ (0.02)
Sentinel	158	$ (45)	$ (0.02)
TOTAL	**249,846**	**$ (71,362)**	

HRZ-STAFF-4
ATTACHMENT 1 – RGCRP HRZ

Alectra Utilities - Horizon Rate Zone
EB-2019-0018
Calculation of Renewable Generation Connection Provincial Amount

	2012 ACTUAL		2013 ACTUAL		2014 ACTUAL		2015 ACTUAL		2016 ACTUAL		2017 ACTUAL		2018 ACTUAL		2019 Estimate	
Net Fixed Assets (2 year average)		$ 45,676		$ 113,073		$ 150,267										
OM&A	$ 11,662		$ 18,141		$ 23,468											
WCA	13.5%	$ 1,574	13.5%	$ 2,449	13.5%	$ 3,168	13.5%	$ -	13.5%	$ -	13.5%	$ -	13.5%	$ -	13.5%	$ -
Rate Base		$ 47,250		$ 115,522		$ 153,435		$ -		$ -		$ -		$ -		$ -
Deemed ST Debt	4%	$ 1,890	4%	$ 4,621	4%	$ 6,137	4%	$ -	4%	$ -	4%	$ -	4%	$ -	4%	$ -
Deemed LT Debt	56%	$ 26,460	56%	$ 64,692	56%	$ 85,924	56%	$ -	56%	$ -	56%	$ -	56%	$ -	56%	$ -
Deemed Equity	40%	$ 18,900	40%	$ 46,209	40%	$ 61,374	40%	$ -	40%	$ -	40%	$ -	40%	$ -	40%	$ -
ST Interest	2.46%	$ 46	2.46%	$ 114	2.46%	$ 151	2.46%	$ -	2.46%	$ -	2.46%	$ -	2.46%	$ -	2.46%	$ -
LT Interest	5.79%	$ 1,532	5.79%	$ 3,746	5.79%	$ 4,975	5.79%	$ -	5.79%	$ -	5.79%	$ -	5.79%	$ -	5.79%	$ -
ROE	9.58%	$ 1,811	9.58%	$ 4,427	9.58%	$ 5,880	9.58%	$ -	9.58%	$ -	9.58%	$ -	9.58%	$ -	9.58%	$ -
		$ 3,389		$ 8,286		$ 11,006		$ -		$ -		$ -		$ -		$ -
OM&A		$ 11,662		$ 18,141		$ 23,468		$ -		$ -		$ -		$ -		$ -
Amortization		$ 3,806		$ 9,423		$ 12,522										
Grossed-up PILs		$ 653		$ 1,596		$ 2,120										
Revenue Requirement		$ 19,510		$ 37,446		$ 49,115		$ -		$ -		$ -		$ -		$ -

Direct Benefit	2012 ACTUAL	2013 ACTUAL	2014 ACTUAL	2015 ACTUAL	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 Estimate
OM&A	$ 11,662	$ 18,141	$ 23,468	$ -	$ -	$ -	$ -	$ -
Capital	$ 7,848	$ 19,305	$ 25,648	$ -	$ -	$ -	$ -	$ -
Direct Benefit % on capital	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%
Direct Benefit on capital	$ 470.90	$ 1,158	$ 1,539	$ -	$ -	$ -	$ -	$ -
Total GEA Recovery	$ 12,133	$ 19,299	$ 25,007	$ -	$ -	$ -	$ -	$ -
Provincial Rate Protection	$ 7,377	$ 18,147	$ 24,109	$ -	$ -	$ -	$ -	$ -
Monthly Adder Amount Paid by IESO	$ 615	$ 1,512	$ 2,009	$ -	$ -	$ -	$ -	$ -

Alectra Utilities - Horizon Rate Zone
EB-2019-0018
Calculation of Renewable Generation Connectio

		2012 IRM	2013 IRM	2014 IRM	2015 Custom IR Y1	2016 Custom IR Y2	2017 Custom IR Y3	2018 Custom IR Y4	2019 Custom IR Y5
	A	B	C	D	E	F	G	H	I
	2012A to 2019E Total	EB-2011-0171	EB-2012-0132	EB-2013-0137	EB-2014-0002	EB-2015-0075	EB-2016-0077	EB-2017-0024	EB-2018-0016
Net Fixed Assets (2 year average)	$ -	$ 76,440	$ 76,440	$ 76,440	$ 76,440	$ 76,440	$ 76,440	$ 76,440	$ -
OM&A	$ 53,270	$ 110,000	$ 110,000	$ 110,000	$ 110,000	$ 110,000	$ 110,000	$ 110,000	$ -
WCA	13.5% $ 7,191	13.5% $ 14,850	13.5% $ 14,850	13.5% $ 14,850	13.5% $ 14,850	13.5% $ 14,850	13.5% $ 14,850	13.5% $ 14,850	13.5% $ -
Rate Base	$ 7,191	$ 91,290	$ 91,290	$ 91,290	$ 91,290	$ 91,290	$ 91,290	$ 91,290	$ -
Deemed ST Debt	$ 12,648	$ 3,652	$ 3,652	$ 3,652	$ 3,652	$ 3,652	$ 3,652	$ 3,652	$ -
Deemed LT Debt	$ 177,076	$ 51,122	$ 51,122	$ 51,122	$ 51,122	$ 51,122	$ 51,122	$ 51,122	$ -
Deemed Equity	$ 126,483	$ 36,516	$ 36,516	$ 36,516	$ 36,516	$ 36,516	$ 36,516	$ 36,516	$ -
ST Interest	$ 311	$ 90	$ 90	$ 90	$ 90	$ 90	$ 90	$ 90	$ -
LT Interest	$ 10,253	$ 2,960	$ 2,960	$ 2,960	$ 2,960	$ 2,960	$ 2,960	$ 2,960	$ -
ROE	$ 12,117	$ 3,498	$ 3,498	$ 3,498	$ 3,498	$ 3,498	$ 3,498	$ 3,498	$ -
	$ 22,681	$ 6,548	$ 6,548	$ 6,548	$ 6,548	$ 6,548	$ 6,548	$ 6,548	$ -
OM&A	$ 53,270	$ 110,000	$ 110,000	$ 110,000	$ 110,000	$ 110,000	$ 110,000	$ 110,000	$ -
Amortization	$ 25,751	$ 3,120	$ 3,120	$ 3,120	$ 3,120	$ 3,120	$ 3,120	$ 3,120	$ -
Grossed-up PILs	$ 4,369	$ 149	$ 149	$ 149	$ 149	$ 149	$ 149	$ 149	$ -
Revenue Requirement	$ 106,071	$ 119,817	$ 119,817	$ 119,817	$ 119,817	$ 119,817	$ 119,817	$ 119,817	$ -

Direct Benefit	2012A to 2019E Total	EB-2011-0171	EB-2012-0132	EB-2013-0137	EB-2014-0002	EB-2015-0075	EB-2016-0077	EB-2017-0024	EB-2018-0016
OM&A	$ 53,270	$ 110,000	$ 110,000	$ 110,000	$ 110,000	$ 110,000	$ 110,000	$ 110,000	$ -
Capital	$ 52,801	$ 9,817	$ 9,817	$ 9,817	$ 9,817	$ 9,817	$ 9,817	$ 9,817	$ -
Direct Benefit % on capital	6.00%								
Direct Benefit on capital	$ 3,168	$ 1,337	$ 1,337	$ 1,337	$ 1,337	$ 1,337	$ 1,337	$ 1,337	$ -
Total GEA Recovery	$ 56,438	$ 111,337	$ 111,337	$ 111,337	$ 111,337	$ 111,337	$ 111,337	$ 111,337	$ -
Provincial Rate Protection	$ 49,633	$ 8,480	$ 8,480	$ 8,480	$ 8,480	$ 8,480	$ 8,480	$ 8,480	$ -
Monthly Adder Amount Paid by IESO	$ 4,136	$ 707	$ 707	$ 707	$ 707	$ 707	$ 707	$ 707	$ -

Alectra Utilities - Horizon Rate Zone
EB-2019-0018
Calculation of Renewable Generation Connectio

	J		K=A-J		L		M = K + L	
	2012A to 2019E Total		**True-Up Variance**		**2020 FORECAST**		**2020 Incl. True-up**	
Net Fixed Assets (2 year average)		$ -		$ -		$ -		$ -
OM&A	$ 770,000		-$ 716,730		$ -		-$ 716,730	
WCA	13.5%	$ 103,950	13.5%	-$ 96,759	12.0%	$ -	13.5%	-$ 96,759
Rate Base		$ 103,950		-$ 96,759		$ -		-$ 96,759
Deemed ST Debt		$ 25,561		-$ 12,913	4%	$ -		-$ 12,913
Deemed LT Debt		$ 357,857		-$ 180,780	56%	$ -		-$ 180,780
Deemed Equity		$ 255,612		-$ 129,129	40%	$ -		-$ 129,129
ST Interest		$ 629		-$ 318	2.46%	$ -		-$ 318
LT Interest		$ 20,720		-$ 10,467	5.79%	$ -		-$ 10,467
ROE		$ 24,488		-$ 12,371	9.58%	$ -		-$ 12,371
		$ 45,836		-$ 23,155		$ -		-$ 23,155
OM&A		$ 770,000		-$ 716,730		$ -		-$ 716,730
Amortization		$ 21,840		$ 3,911		$ -		$ 3,911
Grossed-up PILs		$ 1,042		$ 3,326		$ -		$ 3,326
Revenue Requirement		$ 838,719		-$ 732,648		$ -		-$ 732,648

Direct Benefit	**2012A to 2019E Total**		**True-Up Variance**		**2020 FORECAST**		**2020 Incl. True-up**	
OM&A		$ 770,000		-$ 716,730		$ -		-$ 716,730
Capital		$ 68,719		-$ 15,918		$ -		-$ 15,918
Direct Benefit % on capital						6.00%		
Direct Benefit on capital		$ 9,359		-$ 6,191		$ -		-$ 6,191
Total GEA Recovery		$ 779,359		-$ 722,921		$ -		-$ 722,921
Provincial Rate Protection		$ 59,359		-$ 9,726		$ -		-$ 9,726
Monthly Adder Amount Paid by IESO		$ 4,947		-$ 811		$ -		-$ 811

Fixed Asset Continuity Schedule

	COST			ACCUM DEPRECIATION			NBV		
	Opening	Additions	Closing	Opening	Additions	Closing	Opening	Additions	Closing
2012 Actual									
Green Energy - FIT/Micro	-	95,158.14	95,158.14	-	(3,806.33)	(3,806.33)	-	91,351.81	91,351.81
CIP - Green Energy - FIT/Micro			-	-		-	-	-	-
CIP AFUDC Green Energy			-	-		-	-	-	-
Def Rev -FIT MicroFIT			-	-		-	-	-	-
CIP Def Rev -FIT MicroFIT			-	-		-	-	-	-
TOTAL	**-**	**95,158.14**	**95,158.14**	**-**	**(3,806.33)**	**(3,806.33)**	**-**	**91,351.81**	**91,351.81**

	COST			ACCUM DEPRECIATION			NBV		
	Opening	YTD Additions	Closing	Opening	YTD Additions	Closing	Opening	YTD Additions	Closing
2013 Actual									
Green Energy - FIT/Micro	95,158.14	52,865.63	148,023.77	(3,806.33)	(9,422.77)	(13,229.10)	91,351.81	43,442.86	134,794.67
CIP - Green Energy - FIT/Micro	-		-	-		-	-	-	-
CIP AFUDC Green Energy	-		-	-		-	-	-	-
Def Rev -FIT MicroFIT	-		-	-		-	-	-	-
CIP Def Rev -FIT MicroFIT	-		-	-		-	-	-	-
TOTAL	**95,158.14**	**52,865.63**	**148,023.77**	**(3,806.33)**	**(9,422.77)**	**(13,229.10)**	**91,351.81**	**43,442.86**	**134,794.67**

	COST			ACCUMULATED DEPRECIATION			NBV		
	Opening	YTD Additions	Closing	Opening	YTD Additions	Closing	Opening	YTD Additions	Closing
2014 Actual									
Green Energy - FIT/Micro	148,023.77	43,467.30	191,491.07	(13,229.10)	(12,522.27)	(25,751.36)	134,794.67	30,945.03	165,739.70
CIP - Green Energy - FIT/Micro	-		-	-		-	-	-	-
CIP AFUDC Green Energy	-		-	-		-	-	-	-
Def Rev -FIT MicroFIT	-		-	-		-	-	-	-
CIP Def Rev -FIT MicroFIT	-		-	-		-	-	-	-
TOTAL	**148,023.77**	**43,467.30**	**191,491.07**	**(13,229.10)**	**(12,522.27)**	**(25,751.36)**	**134,794.67**	**30,945.03**	**165,739.70**

	COST			ACCUM DEPRECIATION			NBV		
	Opening	Additions	Closing	Opening	Additions	Closing	Opening	Additions	Closing
2015 Actual									
Green Energy - FIT/Micro	191,491.07	54,040.42	245,531.49	(25,751.36)	(7,476.48)	(33,227.84)	165,739.70	46,563.94	212,303.65
CIP - Green Energy - FIT/Micro	-		-	-		-	-	-	-
CIP AFUDC Green Energy	-		-	-		-	-	-	-
Def Rev -FIT MicroFIT	-		-	-		-	-	-	-
CIP Def Rev -FIT MicroFIT	-		-	-		-	-	-	-
TOTAL	**191,491.07**	**54,040.42**	**245,531.49**	**(25,751.36)**	**(7,476.48)**	**(33,227.84)**	**165,739.70**	**46,563.94**	**212,303.65**

	COST			ACCUM DEPRECIATION			NBV		
	Opening	Additions	Closing	Opening	Additions	Closing	Opening	Additions	Closing
2016 Forecast									
Green Energy - FIT/Micro	245,531.49	164,061.25	409,592.74	(33,227.84)	(10,805.86)	(44,033.70)	212,303.65	153,255.39	365,559.04
CIP - Green Energy - FIT/Micro	-		-	-		-	-	-	-
CIP AFUDC Green Energy	-		-	-		-	-	-	-
Def Rev -FIT MicroFIT	-		-	-		-	-	-	-
CIP Def Rev -FIT MicroFIT	-	-	-	-		-	-	-	-
TOTAL	**245,531.49**	**164,061.25**	**409,592.74**	**(33,227.84)**	**(10,805.86)**	**(44,033.70)**	**212,303.65**	**153,255.39**	**365,559.04**

	COST			ACCUM DEPRECIATION			NBV		
	Opening	Additions	Closing	Opening	Additions	Closing	Opening	Additions	Closing
2017 Actual									
Green Energy - FIT/Micro	409,592.74	-	409,592.74	(44,033.70)	(16,383.24)	(60,416.94)	365,559.04	(16,383.24)	349,175.80
CIP - Green Energy - FIT/Micro	-		-	-		-	-	-	-
CIP AFUDC Green Energy	-		-	-		-	-	-	-
Def Rev -FIT MicroFIT	-		-	-		-	-	-	-
CIP Def Rev -FIT MicroFIT	-		-	-		-	-	-	-
TOTAL	**409,592.74**	**-**	**409,592.74**	**(44,033.70)**	**(16,383.24)**	**(60,416.94)**	**365,559.04**	**(16,383.24)**	**349,175.80**

	COST			ACCUM DEPRECIATION			NBV		
	Opening	Additions	Closing	Opening	Additions	Closing	Opening	Additions	Closing
2018 Actual									
Green Energy - FIT/Micro	409,592.74	11,842.46	421,435.20	(60,416.94)	(16,699.00)	(77,115.94)	349,175.80	(4,856.54)	344,319.26
CIP - Green Energy - FIT/Micro	-	-	-	-		-	-	-	-
CIP AFUDC Green Energy	-	-	-	-		-	-	-	-
Def Rev -FIT MicroFIT	-	-	-	-		-	-	-	-
CIP Def Rev -FIT MicroFIT	-	-	-	-		-	-	-	-
TOTAL	**409,592.74**	**11,842.46**	**421,435.20**	**(60,416.94)**	**(16,699.00)**	**(77,115.94)**	**349,175.80**	**(4,856.54)**	**344,319.26**

	COST			ACCUM DEPRECIATION			NBV		
	Opening	Additions	Closing	Opening	Additions	Closing	Opening	Additions	Closing
2019 Forecast									
Green Energy - FIT/Micro	421,435.20		421,435.20	(77,115.94)	(16,541.12)	(93,657.06)	344,319.26	(16,541.12)	327,778.14
CIP - Green Energy - FIT/Micro	-	-	-	-		-	-	-	-
CIP AFUDC Green Energy	-	-	-	-		-	-	-	-
Def Rev -FIT MicroFIT	-	-	-	-		-	-	-	-
CIP Def Rev -FIT MicroFIT	-	-	-	-		-	-	-	-
TOTAL	**421,435.20**	**-**	**421,435.20**	**(77,115.94)**	**(16,541.12)**	**(93,657.06)**	**344,319.26**	**(16,541.12)**	**327,778.14**

	COST			ACCUM DEPRECIATION			NBV		
	Opening	Additions	Closing	Opening	Additions	Closing	Opening	Additions	Closing
2020 Forecast									
Green Energy - FIT/Micro	421,435.20		421,435.20	(93,657.06)	(16,541.12)	(110,198.18)	327,778.14	(16,541.12)	311,237.02
CIP - Green Energy - FIT/Micro	-	-	-	-		-	-	-	-
CIP AFUDC Green Energy	-	-	-	-		-	-	-	-
Def Rev -FIT MicroFIT	-	-	-	-		-	-	-	-
CIP Def Rev -FIT MicroFIT	-	-	-	-		-	-	-	-
TOTAL	**421,435.20**	**-**	**421,435.20**	**(93,657.06)**	**(16,541.12)**	**(110,198.18)**	**327,778.14**	**(16,541.12)**	**311,237.02**

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Net Capital Expenditures	0.00	0.00	0.00	95,158.14	52,865.63	43,467.30	54,040.42	164,061.25	0.00	11,842.46	0.00	421,435.20	842,870.40
Depreciation Expense	0.00	0.00	0.00	(3,806.33)	(9,422.77)	(12,522.27)	(7,476.48)	(10,805.86)	(16,383.24)	(16,699.00)	(16,541.12)	(16,541.12)	(110,198.18)

	2009	2010	2011		2012	2013	2014	2015	2016	2017	2018	2019	2020
Cummulative Cost including CIP	0	0	0		95,158	148,024	191,491	245,531	409,593	409,593	421,435	421,435	842,870
Less Cummulative CIP	0	0	0		0	0	0	0	0	0	0	0	0
Cummulative Accumulated Depreciatio	0	0	0		(3,806)	(13,229)	(25,751)	(33,228)	(44,034)	(60,417)	(77,116)	(93,657)	(110,198)

Average 2009	Average 2010	Average 2011		Average 2012	Average 2013	Average 2014	Average 2015	Average 2016	Average 2017	Average 2018	Average 2019	Average 2020
0	0	0		47,579	121,591	169,757	218,511	327,562	409,593	415,514	421,435	632,153
0	0	0		0	0	0	0	0	0	0	0	0
0	0	0		(1,903)	(8,518)	(19,490)	(29,490)	(38,631)	(52,225)	(68,766)	(85,387)	(101,928)
0	**0**	**0**		45,676	**113,073**	**150,267**	**189,022**	**288,931**	**357,367**	**346,748**	**336,049**	**530,225**

CCA Calculation

		2012	2013	2014	2015	2016	2017
Opening UCC		$ -	$ 91,352	$ 134,795	$ 165,740	$ 204,359	$ 345,509
Capital Additions		$ 95,158	$ 52,866	$ 43,467	$ 54,040	$ 164,061	$ -
UCC Before Half Year Rule		$ 95,158	$ 144,217	$ 178,262	$ 219,780	$ 368,421	$ 345,509
Half Year Rule (1/2 Additions - Disposals)		$ 47,579	$ 26,433	$ 21,734	$ 27,020	$ 82,031	$ -
Reduced UCC		$ 47,579	$ 117,785	$ 156,528	$ 192,760	$ 286,390	$ 345,509
CCA Rate Class	**47**	**47**	**47**	**47**	**47**	**47**	**47**
CCA Rate	**8%**	**8%**	**8%**	**8%**	**8%**	**8%**	**8%**
CCA		$ 3,806	$ 9,423	$ 12,522	$ 15,421	$ 22,911	$ 27,641
Closing UCC		$ 91,352	$ 134,795	$ 165,740	$ 204,359	$ 345,509	$ 317,869

2018	2019	2020
$ 317,869	$ 303,808	$ 279,503
$ 11,842	$ -	$ -
$ 329,711	$ 303,808	$ 279,503
$ 5,921	$ -	$ -
$ 323,790	$ 303,808	$ 279,503
47	**47**	**47**
8%	**8%**	**8%**
$ 25,903	$ 24,305	$ 22,360
$ 303,808	$ 279,503	$ 257,143

PILs Calculation

	2012	2013	2014	2015	2016	2017	2018	2019	2020
INCOME TAX									
Net Income	$ 1,811	$ 4,427	$ 5,880	$ -	$ -	$ -	$ -	$ -	$ -
Amortization	$ 3,806	$ 9,423	$ 12,522	$ 7,476	$ 10,806	$ 16,383	$ 16,699	$ 16,541	$ 16,541
CCA	-$ 3,806	-$ 9,423	-$ 12,522	-$ 15,421	-$ 22,911	-$ 27,641	-$ 25,903	-$ 24,305	-$ 22,360
Change in taxable income	$ 1,811	$ 4,427	$ 5,880	-$ 7,944	-$ 12,105	-$ 11,258	-$ 9,204	-$ 7,764	-$ 5,819
Tax Rate	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%
Income Taxes Payable	$ 480	$ 1,173	$ 1,558	-$ 2,105	-$ 3,208	-$ 2,983	-$ 2,439	-$ 2,057	-$ 1,542

Gross Up

	PILs Payable	PILs Payable	PILs Payable	PILs Payable	PILs Payable	PILs Payable	PILs Payable	PILs Payable	PILs Payable
Change in Income Taxes Payable	$ 480	$ 1,173	$ 1,558	-$ 2,105	-$ 3,208	-$ 2,983	-$ 2,439	-$ 2,057	-$ 1,542
Change in OCT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PIL's	$ 480	$ 1,173	$ 1,558	-$ 2,105	-$ 3,208	-$ 2,983	-$ 2,439	-$ 2,057	-$ 1,542

	2012	2013	2014	2015	2016	2017	2018	2019	2020
	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs
Change in Income Taxes Payable	$ 653	$ 1,596	$ 2,120	-$ 2,864	-$ 4,365	-$ 4,059	-$ 3,319	-$ 2,799	-$ 2,098
Change in OCT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PIL's	**$ 653**	**$ 1,596**	**$ 2,120**	**-$ 2,864**	**-$ 4,365**	**-$ 4,059**	**-$ 3,319**	**-$ 2,799**	**-$ 2,098**

Average Net Fixed Assets

Net Fixed Assets

		2012
Opening Capital Investment		$ -
Capital Investment		$ 156,000
Closing Capital Investment		$ 156,000
Opening Accumulated Amortization		$ -
Amortization Year One	25 years	$ 3,120
Amortization Thereafter		$ -
Closing Accumulated Amortization		$ 3,120
Opening Net Fixed Assets		$ -
Closing Net Fixed Assets		$ 152,880
Average Net Fixed Assets		$ 76,440

HRZ-STAFF-4
ATTACHMENT 2 – GEA RATE RIDER CALCULATION

Alectra Utilities Corporation_Horizon Rate Zone
EB - 2019-0018
Green Energy Act Rate Rider Calculation

Rate Class	2018 Monthly Billing Determinant (Customer Count)	GEA Revenue Refund	Fixed Rate Rider
Residential	226,840	$ (64,791)	$ (0.02)
General Service < 50 kW	18,992	$ (5,425)	$ (0.02)
Unmetered Scattered Load	1,784	$ (510)	$ (0.02)
General Service 50 kW - 4999 kW	2,057	$ (588)	$ (0.02)
Large Use (1)	4	$ (1)	$ (0.02)
Large Use (2) with Dedicated Assets	7	$ (2)	$ (0.02)
Street Lighting	4	$ (1)	$ (0.02)
Sentinel	158	$ (45)	$ (0.02)
TOTAL	**249,846**	**$ (71,362)**	

Year	Rate Rider Collected from HRZ Customers	OEB Approved Principal and Interest Disposition	Carrying Charge	Revenue Requirement from HRZ Customers	Total
2012	$ 140,314.37		$ 945.03	$ (12,132.75)	$ 129,126.65
2013	$ 140,836.26		$ 3,010.44	$ (19,298.97)	$ 124,547.73
2014	$ 141,573.07		$ 5,379.39	$ (25,006.55)	$ 121,945.91
2015		$ (306,456.44)	$ 2,198.06		$ (304,258.38)
Total	**$ 422,723.70**	**$ (306,456.44)**	**$ 11,532.92**	**$ (56,438.27)**	**$ 71,361.91**

HRZ-Staff-5

Renewable Generation Connection Rate Protection (RGCRP)
Reference 1: Exhibit 3, Tab 1, Schedule 9
Reference 2: Exhibit 5, Attachment 25

In a letter dated December 20, 2018, Alectra Utilities requested that the IESO renewable generation payments of $707 per month cease as of December 31, 2018. Alectra Utilities confirmed that Horizon Utilities did incur the expenditures for the renewable generation investments. However, Horizon Utilities included 100% of the net book value of the renewable eligible investments in the rate base of Horizon Utilities' 2015 Custom IR application despite the fact that the investments were still subject to RGCRP treatment. As a result, the recovery of the IESO provincial payments was collected twice. Horizon Utilities refunded the over recovery to its customers through the recording of the payment amounts in Account 1588 RSVA Power and the subsequent disposition of the account. In Exhibit 3, Tab 1, Schedule 9 of this application, Alectra Utilities stated that "Horizon Utilities recorded the over recovery in Account 1532 Renewable Generation Connection Funding Adder Deferral Account".

In this application, Alectra Utilities states that "Alectra Utilities is requesting to refund renewable generation funding of $9,726 as a one-time payment in 2020 to the IESO". OEB staff notes that the proposed refund of $9,726 appears to be calculated as:

Total RGCRP amount received from the IESO from 2012 to 2018 – the RGCRP amount calculated based on the actual investment from 2012 to 2014 = $8,480/year x 7 years – $49,633

Accounting Guidance issued in March 2015 for the Accounting Procedures Handbook, Q & A 10 states that:

> **On an annual basis, revenue requirement is calculated based on actual spending. A year-end annual entry is required to be recorded for the net difference between the calculated revenue requirement and the payment amounts collected by the distributor from the IESO. The amount posted to Account 1533, Sub-account Provincial Rate Protection Payment Variances would be a debit if the calculated revenue requirement exceeds the payment amounts collected by the distributor, and a credit if the calculated revenue requirement is less than the payment amounts collected by the distributor. The offsetting entry to Account 1533, Sub-account Provincial Rate Protection Payment Variances should be to the sub-account of Account 4080, referenced in paragraph E.**

Questions:

a) Please clarify which account (Account 1588 or Account 1532) did Horizon Utilities use to record the over recovery?

b) Please confirm the total dollar amount of the over recovery that has been recorded in the account is comprised of the RGCRP payments received from the IESO from 2015 to 2018 of $33,921 ($8,480/per year x 4 years). If not confirmed, please explain.

c) Has the recorded amount been disposed and refunded to Horizon Utilities' customers? If so, please provide the relevant decision and order in which the account was approved for disposition.

Response:

a) Alectra Utilities' predecessor, Horizon Utilities, recorded the over recovery in Account 1533.

b) Alectra Utilities confirms that the total dollar amount of the over recovery that has been recorded in the account is comprised of the RGCRP payments received from the IESO from 2015 to 2018 of $33,921 ($8,480/per year x 4 years).

c) Alectra Utilities confirms that the RGCRP payments received from the IESO from 2015 to 2018 of $33,921 ($8,480/per year x 4 years) have not been refunded to Horizon Utilities customers. In this Application, Alectra Utilities is requesting to refund renewable generation funding of $9,726 as a one-time payment in 2020 to the IESO, as identified in Exhibit 3, Tab 1, Schedule 9, p1.

HRZ-Staff-6

LRAMVA Threshold
Reference 1: EB-2014-0002, Exhibit 3, Tab 1, Schedule 2, pp. 10-12 of 33 (Table 3-6 and Table 3-7; Table 3-8)
Reference 2: Exhibit 5, Attachment 30 LRAMVA Workform HRZ_20190528 (Tab 2)

Actual conservation savings achieved in the HRZ were compared against incremental CDM savings forecasted in 2017. Based on an analysis of residential sales data from the 2015 Custom IR application, it appears that the difference between the residential load (adjusted and unadjusted for CDM) is the cumulative CDM impact on the 2017 residential load forecast. On this basis, it questions whether the use of incremental CDM impacts in the LRAMVA threshold is correct.

Residential Load in 2017

Residential load (only)	Unadjusted for CDM (kWh)	Adjusted for CDM (kWh)	CDM Impact (staff calculated)	Incremental CDM savings
	a	b	c = b-a	d
2017 test year	1,627,702,719	1,608,117,860	19,584,859	3,027,867
Source	EB-2014-0002, Exhibit 3, Tab 1, Schedule 2 (Table 3-8)			EB-2014-0002, Exhibit 3, Tab 1, Schedule 2 (Table 3-6)

Questions:

a) **Please provide the total net load forecast in 2017, and rate class breakdown of the load, unadjusted and adjusted by CDM.**

b) **Please indicate how the HRZ adjusted its 2017 load forecast to account for CDM. In your response, please indicate whether the 2017 load forecast was adjusted by cumulative or incremental CDM savings.**

c) **If the 2017 load forecast was adjusted by incremental CDM savings, please confirm the actual level of savings persistence assumed in the base load forecast and the amount(s) of forecast savings included in the CDM manual adjustment in 2017.**

d) Please explain the basis for using incremental CDM savings in 2017 (19,129,390 kWh) as the LRAMVA threshold rather than cumulative CDM savings in 2017 (86,010,641 kWh).

e) Please confirm whether there was explicit approval of an LRAMVA threshold to be used in 2017. If yes, please provide the reference.

f) If an LRAMVA threshold of 86,010,641 kWh were to be used, please provide the rate class allocation of this LRAMVA threshold. Please file another version of the workform using this threshold to confirm the LRAMVA balance.

Response:

a) The 2017 total net load forecast by rate class is provided in EB-2014-0002, Table 30 of the Settlement Proposal. Further, Table 3-6 from Exhibit 3, Tab 1, Schedule 2, provides the CDM adjustments included in the load forecast. These tables have been appended, below.

Horizon Utilities Corporation
EB-2014-0002
Settlement Proposal
Filed: September 22, 2014
Page 51 of 63

Settlement Table 30 - 2017 Load Forecast

Customer Class	Application	Interrogatory / Technical Conference Updates	Settlement Agreement
Residential			
Customers	224,093	224,093	224,093
kWh	1,608,117,860	1,601,729,710	1,639,722,296
GS < 50 kW			
Customers	18,565	18,565	18,565
kWh	583,142,939	580,981,669	592,034,180
GS > 50 kW			
Customers	2,258	2,258	2,258
kWh	1,841,172,846	1,831,308,912	1,850,271,866
kW	5,068,149	5,040,934	5,093,344
Large Use (1)			
Customers	7	7	7
kWh	280,664,097	280,664,097	280,664,097
kW	651,503	651,503	651,503
Large Use (2)			
Customers	4	4	4
kWh	342,466,388	342,466,388	342,466,388
kW	1,959,852	1,959,852	1,959,852
USL			
Customers	1,857	1,857	1,857
Connections	3,023	3,023	3,023
kWh	10,951,001	10,951,001	10,951,001
Sentinel			
Customers	248	248	248
Connections	389	389	389
kWh	400,564	400,564	400,564
kW	1,135	1,135	1,135
Street Lighting			
Customers	4	4	4
Devices	52,328	52,328	52,328
kWh	39,651,553	39,651,553	39,651,553
kW	109,890	109,890	109,890
Standby			
kW	309,299	309,299	309,299
Total			
Customers	247,036	247,036	247,036
Customers/Connections/Devices	300,668	300,668	300,668
kWh	4,706,567,248	4,688,153,894	4,756,161,946
kW from applicable classes	8,099,828	8,072,613	8,125,023

1

Table 3-6 Estimated CDM Savings by Customer Class (kWh)

Year	Residential	GS < 50 kW	GS > 50 kW	Total
2014	12,575,666	4,393,315	11,173,019	28,142,000
2015	3,350,520	928,649	15,255,036	19,534,205
2016	3,103,523	846,487	15,255,036	19,205,046
2017	3,027,867	846,487	15,255,036	19,129,390
2018	3,027,867	846,487	15,255,036	19,129,390
2019	3,027,867	846,487	15,255,036	19,129,390

b) Horizon Utilities' Settlement Agreement included load, customer, connection and device forecasts for 2015 through 2019, as provided in the Settlement Agreement, Tables 28 to 32. The load forecast included a CDM adjustment for each year of the Custom IR plan term as identified in Table 3-6 of the 2015 CIR Application (EB-2014-0002). The CDM thresholds for 2015 to 2019, as identified in Table 3-6 are as follows:

- 19,534,205 kWh for 2015;
- 19,205,046 kWh for 2016; and
- 19,129,390 kWh for each of 2017, 2018 and 2019

Alectra Utilities submits that an incremental CDM threshold of 19,129,390kWh should be used in the LRAMVA calculation. In addition, this aligns with the OEB's decision in EB-2018-0016 for the threshold determination for 2016.

c) Alectra Utilities' predecessor Horizon Utilities developed regression models using a customer class specific approach in order to forecast loads for each customer class. As provided in Exhibit, 3, Tab 1, Schedule 2, p. 5 of the CIR Application, this model used both actual and estimated CDM load data. Past CDM activity, including persistence of measures was embedded in the historical data. The forecast was adjusted for incremental CDM savings, based on anticipated incremental CDM programs and initiatives. As the forecast was adjusted for incremental CDM savings, the CDM threshold for the purpose of the LRAMVA calculation was 19,129,390 kWh for 2017.

d) Please see Alectra Utilities' response to part b) and c) above. Further, in Alectra Utilities' 2019 EDR Application, EB-2018-0016, the OEB approved the use of the incremental threshold for 2016. At page 24 of the Partial Decision and Order, the OEB states: "The OEB

accepts Alectra Utilities correction of the threshold amount for 2016 to be used in determining the LRAMVA for the Horizon RZ. The OEB approves the use of a revised threshold amount of 19,205,046 kWh and the revised LRAMVA of $908,115".

e) Please see Alectra Utilities' response to part b) above.

f) As identified above, the CDM threshold for 2017, as provided in the Settlement Agreement is 19,129,390 kWh.

HRZ-Staff-7

LRAMVA - lost revenues from street lighting
Reference 1: Exhibit 3, Tab 1, Schedule 10, p. 3 of 15 (paras. 22-23)
Reference 2: Exhibit 5, Attachment 30 LRAMVA Workform HRZ_20190528 (Tab 5)
Reference 3: EB-2018-0016, Responses to Supplementary IRs, October 24, 2018 (Tables 3 and 4)

Alectra Utilities stated that it has provided additional data in Tab 8. Street Lighting of the LRAMVA model, where applicable, in support of the Street Lighting project savings. Based on OEB staff's review, Tab 8 of Attachment 30 was not completed. Instead, the demand savings for street light upgrades of 27,473 kW were hard-coded in Tab 5 (cell AD 567).

Questions:

a) Please explain whether 27,473 kW of street light demand savings represents projects in the City of Hamilton and City of St. Catharines, and what this includes.
For example:
- **year of persisting demand savings or new savings**
- **data on number of bulbs, type of bulbs replaced or retrofitted and average demand per bulb (pre and post upgrade)**
- **confirmation that savings from new additions has been removed. If not, please discuss.**

b) Please update the LRAMVA workform to include Tab 8 from Version 4 posted on July 15, 2019 for 2020 COS applications.

c) Please confirm that all LED and non-LED street light upgrades, if any, represent incremental savings attributable to the municipality's participation in the IESO's CDM program.
i. If there are savings that are not incented through the IESO's CDM program, please identify these savings and remove them from the LRAMVA calculations. If they are included, please explain.
ii. If there are changes to 27,473 kW of street light savings originally claimed, please indicate what has been removed.

d) Please confirm whether the distributor received reports from the participating municipalities that validate the number and type of bulbs replaced or retrofitted through the IESO's CDM program. If so, please provide copy of reports.

Response:

a) Alectra Utilities confirms that the street light demand savings in the Horizon Utilities RZ represent projects in the City of Hamilton and City of St. Catharines. The City of Hamilton street light project was completed on December 1, 2015, and generated 16,936 kW of demand savings. The City of St. Catharines street Light project was completed on June 30, 2016, and generated 1,246 kW of demand savings. The street light demand savings of the two projects total 18,182 kW, which persists into 2017. Alectra Utilities has updated Tab 8 of the LRAMVA workform for the Horizon Utilities RZ to reflect the updated street light demand savings of 18,182 kW.

For the City of Hamilton Street Lighting project, there were 10,319 High-Pressure Sodium ("HPS") lights converted to LED lights. For the City of St. Catharines Street Lighting project, there were 2,068 luminaries between 70W to 200W HPS which were converted to LED lights. A detailed breakdown of the type of bulbs replaced and average demand per bulb (pre and post upgrade) is provided in Tab 8 of the updated LRAMVA workform.

Alectra Utilities confirms that savings from new additions has been removed. The updated LRAMVA workform is filed in response to HRZ-Staff-8.

b) The LRAMVA workform has been updated to include Tab 8 from Version 4 posted on July 15, 2019.

c) Alectra Utilities confirms that the LED street light upgrade, represented incremental savings attributable to the municipality's participation in the IESO's CDM program.

i. Alectra Utilities confirms that the reported savings are related to the IESO's CDM program.

ii. Alectra Utilities' update to the street light demand savings for the Horizon Utilities RZ, as identified in part a) of the response, is due to the methodology applied in computing the street light savings. Alectra Utilities has now relied on Tab 8 from version 4 of the LRAMVA workform to compute street light savings.

d) Alectra Utilities has provided as attachment HRZ-Staff-7_Attach 1_Street Light Project, details from the IESO's Retrofit Portal that provides the number and type of bulbs replaced or retrofitted through the IESO's CDM Program, for the City of Hamilton and City of St. Catharines. A summary of Pre-conversion and Post-conversion quantities are provided in the Tables 1 and 2, below.

Table 1 - City of Hamilton Street Light LED Conversion Project

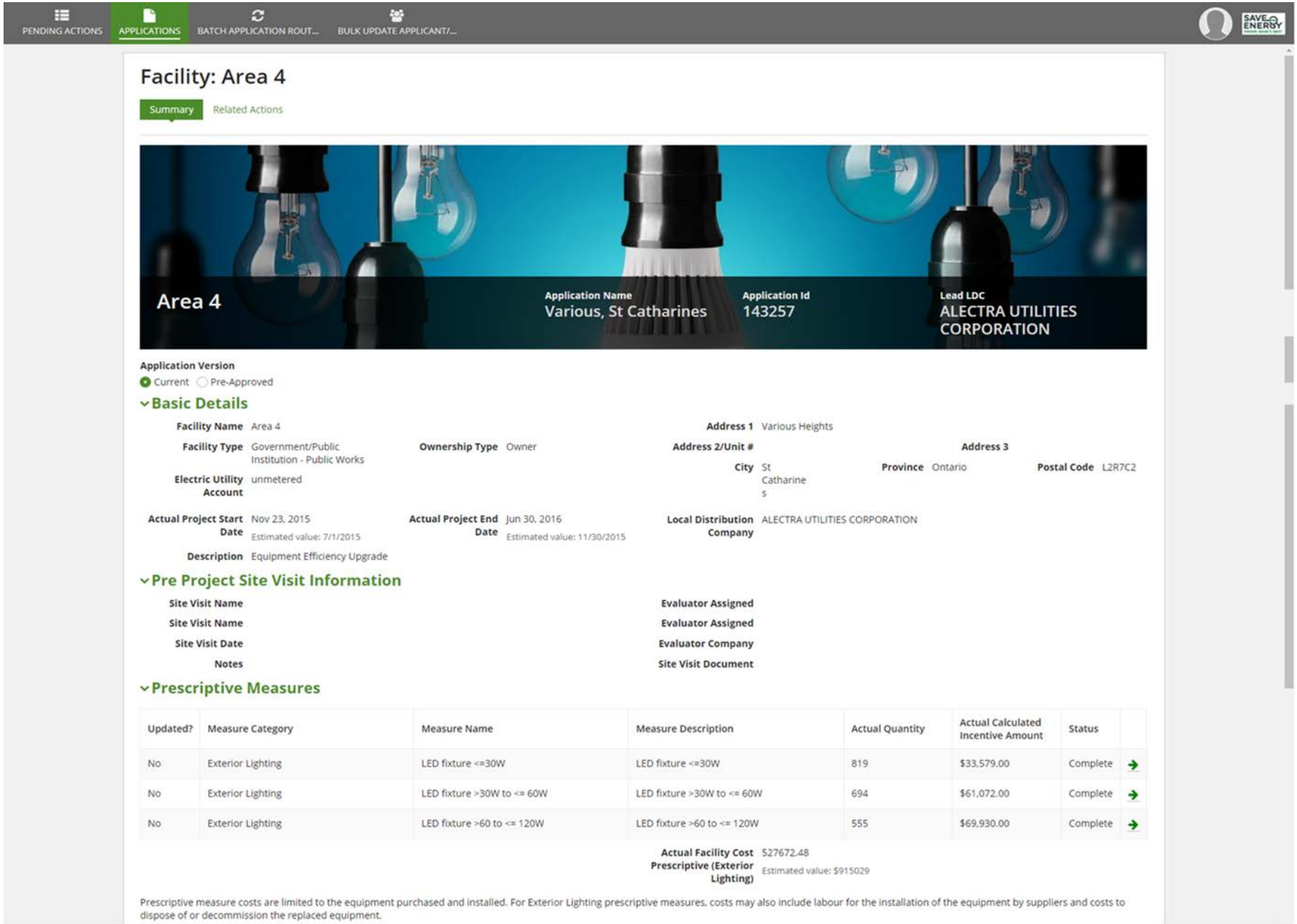
Pre-conversion			Post-conversion		
Fixture type	**Billing Wattage (kW)**	**Quantity**	**Fixture type**	**Billing Wattage (kW)**	**Quantity**
No high voltage	0.295	4878	ERS1-0-H2-E1-5-40-A-GRAY-DLR	0.135	562
No high voltage CO#2	0.310	114	ERS1-0-J2-E1-5-40-A-GRAY-DLR	0.152	277
No high voltage no LOA	0.295	4725	ERS2-0-H3-E1-7-40-A-GRAY-DLR	0.189	295
No high voltage with LOA	0.470	602	ERS2-0-K2-D2-5-40-A-GRAY-DLR	0.151	1682
			ERS2-0-Q2-E1-5-40-A-GRAY-DLR	0.234	280
			ERX1-0-G1-E1-5-40-A-GRAY-DR	0.116	7223
Total:		**10319**			**10319**

Table 2 - City of St. Catharines Street Light LED Conversion Project

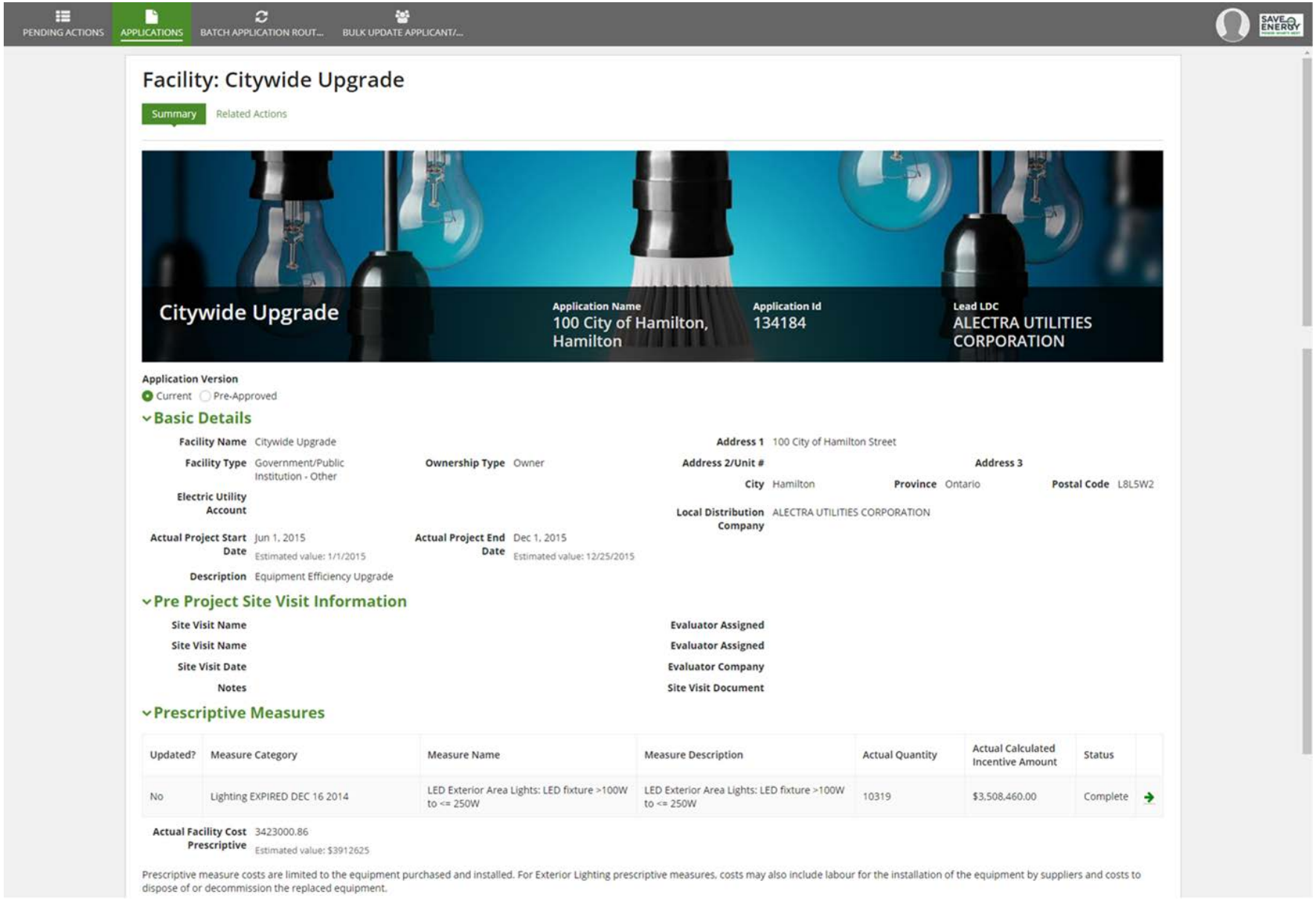
Pre-conversion			Post-conversion		
Fixture type	**Billing Wattage (kW)**	**Quantity**	**Fixture type**	**Billing Wattage (kW)**	**Quantity**
Luminaires - 70 W HPS	0.07	751	ERL10A7A140AGRAYL	0.029	751
Luminaires - 100 W HPS	0.10	694	ERL10B7E140GRAYL	0.039	694
Luminaires - 200W HPS	0.20	405	ERL10E3E140AGRAYL	0.091	405
Luminaires - 200 W HPS	0.20	68	ERRS10J2C1540AGRAYL	0.152	68
Luminaires - 200 W HPS	0.20	150	ERL10A7A140AGRAYL	0.070	150
Total:		**2068**			**2068**

HRZ-STAFF-7
ATTACHMENT 1 – STREET LIGHT PROJECT

CDM Street Light Project – IESO Retrofit Portal



CDM Street Light Project – IESO Retrofit Portal



HRZ-Staff-8

LRAMVA - Updates to LRAMVA workform
Reference: Exhibit 5, Attachment 30 LRAMVA WorkForm HRZ_20190528

Questions:

a) Please confirm that the Tab 8 is populated in the LRAMVA workform(s) for the HRZ.

b) If Alectra Utilities made any changes any of its rate class LRAMVA workform(s) as a result of its responses to the interrogatories, please file the updated LRAMVA workform(s), the revised balance requested for disposition, and a table summarizing the revised rate riders.

c) Please confirm any changes to the LRAMVA workform in response to these interrogatories in "Table A-2. Updates to LRAMVA Disposition (Tab 2)".

Response:

a) Alectra Utilities confirms that Tab 8 is populated in the LRAMVA workform. The updated LRAMVA workform is filed as HRZ-Staff-8_Attach 1_LRAMVA Workform HRZ.

b) Alectra Utilities updated the LRAMVA workform for the Horizon Utilities RZ based on its response to HRZ-Staff-7. In addition, Alectra Utilities has also made adjustments to its 2017 LRAMVA claim to include additional savings related to 2017, identified on the 2018 Participation and Cost Report. The revised 2017 LRAMVA balance requested for disposition is $1,319,691, compared to $1,312,925 in the Alectra Utilities' original submission. Table 1 below provides a summary of the revised rate riders.

Table 1 – Summary of LRAMVA Rate Riders

Rate Class	Per	Volumetric Rate Rider Revised	Volumetric Rate Rider as Filed
Residential	kWh	$0.0004	$0.0004
General Service Less Than 50 Kw	kWh	$0.0007	$0.0007
General Service 50 To 4,999 Kw	kW	$0.0202	$0.0134
Large Use (1)	kW	$0.0327	$0.0304
Large Use (2)	kW	$0.0093	$0.0092
Unmetered Scattered Load	kWh	$0.0024	$0.0023
Street Lighting	kW	$1.8329	$2.7694

c) Alectra Utilities has provided a summary of all changes in Table A-2 of Tab "1-a. Summary of Changes" in the LRAMVA workform. The 2020 IRM RGM Model has also been updated to reflect the changes to the LRAMVA balance.

HRZ-STAFF-8
ATTACHMENT 1 – LRAMVA WORKFORM HRZ

Ontario Energy Board

Legend	
	User Inputs (Green)
	Drop Down List (Blue)
	Auto Populated Cells (White)
	Instructions (Grey)

LDC Name

Alectra Utilities - Legacy Horizon Utilities Corporation

Application Details

Please fill in the requested information: a) the amounts approved in the previous LRAMVA application, b) details on the current application, and c) documentation of changes if applicable.

A. Previous LRAMVA Application

Previous LRAMVA Application (EB#)	EB-2018-0016
Application of Previous LRAMVA Claim	2019 IRM Application
Period of LRAMVA Claimed in Previous Application	2016
Amount of LRAMVA Claimed in Previous Application	$ 909,905.42

B. Current LRAMVA Application

Current LRAMVA Application (EB#)		EB-2019-0018
Application of Current LRAMVA Claim		2020 IRM Application
Period of New LRAMVA in this Application		2017
Actual Lost Revenues ($)	A	**$ 1,383,744**
Forecast Lost Revenues ($)	B	**$ 123,263**
Carrying Charges ($)	C	**$ 59,211**
LRAMVA ($) for Account 1568	A-B+C	**$ 1,319,691**

C. Documentation of Changes

Original Amount	$ 1,312,925.00
Amount for Final Disposition	$ 1,319,691.38

Table 1-a. LRAMVA Totals by Rate Class

Please update the customer rate classes applicable to the LDC in Table 1-a below. This will update all tables throughout the workform. The LRAMVA total by rate class in Table 1-a should be used to inform the determination of rate riders in the Deferral and Variance Account Work Form or IRM Rate Generator Model. If the LDC has more than 14 customer classes, LDCs are required to add rows to Table 1-a and update all tables and formulas in the work form accordingly. Please also ensure that the principle amounts in column E of Table 1-a capture the appropriate years and amounts for the LRAMVA claim.

Customer Class	Billing Unit	Principle ($)	Carrying Charges ($)	Total LRAMVA ($)
Residential	kWh	$628,008	$29,501	$657,508
GS<50 kW	kWh	$383,107	$17,996	$401,104
General Service 50 to 4,999 kW	kW	$91,628	$4,304	$95,932
Large Use	kW	$11,256	$529	$11,785
Large Use	kW	$17,815	$837	$18,652
Street Lighting	kW	$102,882	$4,833	$107,715
Unmetered Scattered Load	kWh	$25,784	$1,211	$26,995
		$0	$0	$0
		$0	$0	$0
Total		**$1,260,480**	**$59,211**	**$1,319,691**

Table 1-b. Annual LRAMVA Breakdown by Year and Rate Class

In column C of Table 1-b below, please indicate with a 'check mark' the years in which LRAMVA has been claimed. This is to ensure that there are no amounts claimed retroactively. If you have inserted a check-mark for a particular year, please delete the amounts associated with actual and forecast lost revenues for all rate classes for that year, up to and including the total. Any prior years that a distributor has claimed lost revenues should not be included in the current LRAMVA disposition, with the exception of the case noted below.

If LDCs are seeking to claim true-up amounts that were previously approved by the OEB, please note that the "Amount Cleared" rows are applicable to the LDC and should be filled out. This may relate to claiming the difference in LRAM approved before the May 19, 2016 Peak Demand Consultation, and the lost revenues that would have been incurred after that consultation, as approved by the OEB. If this is the case, reference to the decision must be noted in the rate application. If this is not the case, LDCs are requested to leave those rows blank.

Depending on the period of LRAMVA to be claimed in the current application, LDCs are expected to adjust the applicable totals for carrying charges in row 83 of this table and the years included in the Total LRAMVA balance in row 84, as appropriate.

Description	LRAMVA Previously Claimed	Residential	GS<50 kW	General Service 50 to 4,999 kW	Large Use	Large Use	Street Lighting	Unmetered Scattered Load				Total
		kWh	kWh	kW	kW	kW	kW	kWh				
2011 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2011 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2012 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2012 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2013 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2013 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2014 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2014 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2015 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2015 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2016 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2016 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2017 Actuals		$653,542.61	$392,164.61	$180,298.68	$11,256.39	$17,815.02	$102,882.43	$25,783.99	$0.00	$0.00	$0.00	$1,383,743.74
2017 Forecast		($25,535.01)	($9,057.41)	($88,671.00)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($123,263.43)
Amount Cleared												
2018 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2018 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2019 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2019 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2020 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2020 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
Carrying Charges		$29,500.66	$17,996.46	$4,304.21	$528.77	$836.86	$4,832.90	$1,211.20	$0.00	$0.00	$0.00	$59,211.06
Total LRAMVA Balance		**$657,508**	**$401,104**	**$95,932**	**$11,785**	**$18,652**	**$107,715**	**$26,995**	**$0**	**$0**	**$0**	**$1,319,691**

Note: LDC to make note of assumptions included above, if any

Table 1-c. Breakdown of Incremental and Persisting Lost Revenues Amounts (Dollars) $0.00

LDCs are requested to clear the cells in the table to show only the amounts related to this LRAMVA application. This table is a check on the LRAMVA disposition providing a breakdown of actual incremental and persisting savings by year.

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
2011	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2012		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2013			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2014				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2015					$ -	$ -	$ 376,410.37	$ -	$ -	$ -	$ 376,410.37
2016						$ -	$ 349,707.69	$ -	$ -	$ -	$ 349,707.69
2017							$ 657,625.68	$ -	$ -	$ -	$ 657,625.68
2018								$ -	$ -	$ -	$ -
2019									$ -	$ -	$ -
2020										$ -	$ -
Actual Lost Revenues	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,383,743.74	$ -	$ -	$ -	$ 1,383,743.74
Forecast Lost Revenues	$ -	$ -	$ -	$ -	$ -	$ -	$ 123,263.43	$ -	$ -	$ -	$ 123,263.43
Carrying Charges	$ -	$ -	$ -	$ -	$ -	$ -	$ 7,405.32	$ 30,881.77	$ 59,211.06	$ 59,211.06	$ 156,709.22
Total	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,267,885.64	$ 30,881.77	$ 59,211.06	$ 59,211.06	$ 1,417,189.53

Note: LDC to make note of assumptions included above, if any

Legend	
	User Inputs (Green)
	Drop Down List (Blue)
	Instructions (Grey)

Table A-1. Changes in Assumptions from Generic Inputs in Work Form

Please document any changes in assumptions made to the work form that affect the calculation of LRAMVA. This may include, but are not limited to, the use of different monthly multipliers to claim demand savings from energy efficiency programs; use of different rate allocations between savings and adjustments; claiming historical savings persistence beyond a re-basing year; inclusion of additional adjustments affecting distribution rates; use of a different LRAMVA threshold; etc. All important changes should be highlighted in the work form as well.

No.	Tab	Cell Reference	Description	Rationale
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
etc.				

Table A-2. Updates to LRAMVA Disposition

LDCs are requested to document any changes related to interrogatories or questions during the application process that affect the LRAMVA amount.

No.	Tab	Cell Reference	Description	Rationale
1		Tab 8 Streetlight information	Tab 8 of detail streetlight project information has been updated	The rationale is to align with the OEB approach to calculate Streetlight related demand savings
2	5. 2015-2020 LRAM	Adjustments to 2017 Savings	Adjustment to 2017 savings were provided on the Participation and Cost Report to	Alectra has calculated the Adjustments to the 2017 savings in order to report and calculate LRAMVA re
3				
4				
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etc.				

Ontario Energy Board

LRAMVA Forecast L

Legend

User Inputs (Green)
Drop Down List (Blue)
Auto Populated Cells (White)
Instructions (Grey)

Table 2-b. LRAMVA Threshold

2017

Please provide the LRAMVA threshold approved in the last COS application, which is used as the comparator against actual savings in the period of the LRAMVA claim. The LRAMVA threshold should generally be consistent with the annualized savings targets developed from Appendix 2-I. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

	Total	Residential	GS<50 kW	General Service 50 to 4,999 kW	Large Use	Large Use	Street Lighting	Unmetered Scattered Load
		kWh	kWh	kW	kW	kW	kW	kWh
kWh	19,129,390	3,027,867	846,487	15,255,036				
kW	34,728			34,728				
Summary		3,027,867	846,487	34,728	0	0	0	0

Basis of Threshold	0.5* 201X + 20XX + 0.5 * 20XX (if available)
Source of Threshold	EB-2014-0002, Exhibit 3, Tab 1, Schedule 2, Page 10 of 33

Table 2-c. Inputs for LRAMVA Thresholds

Please complete Table 2-c below by selecting the appropriate LRAMVA threshold year in column C. The LRAMVA threshold values in Table 2-c will auto-populate from Tables 2-a and 2-b depending on the year selected. If there was no LRAMVA threshold established for a particular year, please select the "blank" option, although it is generally expected that 2 COS applications would have been approved during the 2011 to 2020 period. The LRAMVA threshold values in Table 2-c will be auto-populated in Tabs 4 and 5 of this work form.

Year	LRAMVA Threshold (select year)	Residential	GS<50 kW	General Service 50 to 4,999 kW	Large Use	Large Use	Street Lighting	Unmetered Scattered Load
		kWh	kWh	kW	kW	kW	kW	kWh
2011								
2012								
2013								
2014								
2015								
2016								
2017	2017	3,027,867	846,487	34,728	0	0	0	0
2018								
2019								
2020								

Note: LDC to make note of assumptions included above, if any

Ontario Energy Board

Legend

Instructions (Grey)

Tables

Table 3

Table 3-a.

Table 3. Inputs for Distribution Rates and Adjustments by Rate Class

The rate classes in column B of Table 3 below are auto-populated from the customer class inputs in Table 1-a of the Summary Tab. Please provide the distribution rates by rate year and applicable adjustments per rate class starting from column D of Table 3 below. Any adjustments that affect distribution rates can be incorporated in the calculation by expanding the "plus" button at the left hand bar. Table 3 will convert the distribution rates to a calendar year rate (January to December) based on the number of months from January to the start of the LDC's rate year, entered in row 16 of Table 3 (referred to as period 1). If rates are already on a January 1 to December 31 timeline, please enter 0 in row 16.

	Billing Unit	EB-2009-0228; May 1, 2010 - April 30, 2011	EB-2010-0131; May 1, 2011 - December 31, 2011	EB-2011-0172; January 1, 2012 - December 31, 2012	EB-2012-0132; January 1, 2013 - December 31, 2013	EB-2013-0137; January 1, 2014 - December 31, 2014	EB-2014-0002; January 1, 2015 - December 31, 2015	EB-2015-0075 January 1, 2016- December 31, 2016	EB-2016-0077 January 1, 2017 to December 31, 2017
Rate Year		2010	2011	2012	2013	2014	2015	2016	2017
Period 1 (# months)		*8*	*4*	*0*	*0*	*0*	*0*	*0*	*1*
Period 2 (# months)		*4*	*8*	*12*	*12*	*12*	*12*	*12*	*11*
Residential	kWh							$ 0.0121	$ 0.0081
Rate rider for tax sharing									
Rate rider for foregone revenue									
Changes in Transformer Allowance									
Adjusted rate								$ 0.0121	$ 0.0081
Calendar year equivalent								**$ 0.0121**	**$ 0.0084**
GS<50 kW	kWh							$ 0.0106	$ 0.0107
Rate rider for tax sharing									
Rate rider for foregone revenue									
Changes in Transformer Allowance									
Adjusted rate								$ 0.0106	$ 0.0107
Calendar year equivalent								**$ 0.0106**	**$ 0.0107**
General Service 50 to 4,999 kW	kW							$ 2.5413	$ 2.5526
Rate rider for tax sharing									
Rate rider for foregone revenue									$ 0.0018
Changes in Transformer Allowance									
Adjusted rate								$ 2.5413	$ 2.5544
Calendar year equivalent								**$ 2.5413**	**$ 2.5533**
Large Use	kW							$ 1.3985	$ 1.4041
Rate rider for tax sharing									
Rate rider for foregone revenue									$ 0.0016
Changes in Transformer Allowance									
Adjusted rate								$ 1.3985	$ 1.4057
Calendar year equivalent								**$ 1.3985**	**$ 1.4051**
Large Use	kW							$ 0.2609	$ 0.3304
Rate rider for tax sharing									
Rate rider for foregone revenue									$ 0.0096
Changes in Transformer Allowance									
Adjusted rate								$ 0.2609	$ 0.3400
Calendar year equivalent								**$ 0.2609**	**$ 0.3334**
Street Lighting	kW							$ 6.0733	$ 5.7204
Rate rider for tax sharing									
Rate rider for foregone revenue									-$ 0.0996
Changes in Transformer Allowance									
Adjusted rate								$ 6.0733	$ 5.6208
Calendar year equivalent								**$ 6.0733**	**$ 5.6585**
Unmetered Scattered Load	kWh								$ 0.0132
Rate rider for tax sharing									
Rate rider for foregone revenue									
Changes in Transformer Allowance									
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.0132
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 0.0121**

Note: LDC to make note of assumptions affecting the distribution rates above, if any

Table 3-a. Distribution Rates by Rate Class

Table 3-a below pulls the average distribution rates from Table 3 above. Please ensure that the distribution rates relevant to the years of the LRAMVA disposition are used by clearing the rates for year(s) that are not part of the LRAMVA claim. The distribution rates that remain in Table 3-a will be carried over to Tabs 4 and 5 of the work form to calculate lost revenues.

Year	Residential	GS<50 kW	General Service 50 to 4,999 kW	Large Use	Large Use	Street Lighting	Unmetered Scattered Load			
	kWh	kWh	kW	kW	kW	kW	kWh			
2011	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2012	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2013	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2014	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2015	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2016	$0.0121	$0.0106	$2.5413	$1.3985	$0.2609	$6.0733	$0.0000	$0.0000	$0.0000	$0.0000
2017	$0.0084	$0.0107	$2.5533	$1.4051	$0.3334	$5.6585	$0.0121	$0.0000	$0.0000	$0.0000
2018	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2019	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2020	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000

Note: LDC to make note of assumptions affecting the distribution rates above, if any

BRZ-Staff-1

Account 1595 Analysis Workform
Reference 1: Account 1595 Analysis Workform for the BRZ
Reference 2: Decision and Rate Order for Hydro One Brampton Networks' 2017 Rates[1]

In the Account 1595 Analysis Workform for BRZ, Alectra Utilities entered a credit amount of $12,595,272 for the principal disposition approved and a credit amount of $174,226 for the interest disposition approved for the total Group 1 accounts excluding GA for the 2017 rate year. However, according to the Decision and Rate Order for Hydro One Brampton Networks' 2017 rates, the two disposition amounts noted above should be a credit of $13,474,291 and a credit of $197,498.

Questions:

a) Please provide explanation for the discrepancies noted or update the Account 1595 Analysis Workform for the BRZ if necessary.

Response:

a) The OEB's Decision and Rate Order in EB-2016-0080, issued on December 8, 2016, included the approval of the principal amount of ($13,747,291) and interest of ($197,498), related to the total Group 1 accounts, excluding global adjustment. In addition, in the same Decision, the OEB approved an LRAMVA disposition debit of $902,321 which is comprised of a principal amount of $879,049 and interest of $23,272.

The amounts entered in the 1595 Analysis Workform include the LRAMVA dispositions amount:

- Principal amount: ($13,747,291) + $879,049 = ($12,595,272)
- Interest amount: ($197,498) + $23,272 = ($174,226)

[1] Decision and Rate Order, EB-2016-0080, issued December 8, 2016

BRZ-Staff-2

Continuity Schedule – 2018 Principal Transaction in Account 1595 (2017)
Reference 1: Exhibit 5, Attachment 13 IRM Model for the BRZ, Tab 3
Reference 2: Decision and Rate Order for Hydro One Brampton Networks' 2017 Rates

In the continuity schedule, Alectra Utilities entered a debit principal transaction amount of $726,060 in Account 1595 (2017) in the year of 2018. According to the Decision and Rate Order for Hydro One Brampton Networks' 2017 rates, the DVA and GA rate riders approved for 2017 expired on December 31, 2017.

Questions:

a) Please review and confirm the principal transaction amount, and update the continuity schedule if necessary. If the transaction amount of $726,060 is confirmed, please provide explanation for the amount and explain how it was calculated.

Response:

a) Alectra Utilities confirms the principal transaction amount of $726,060 is related to 2017 DVA activity. This amount was comprised of transactions that were recorded in 2018 as a result of a difference between unbilled rate riders revenue accrued in December 2017 and the actual billing for December 2017 that took place in 2018. The unbilled revenue model underestimated the DVA rate riders for December 2017.

BRZ-Staff-3

GA Allocation to Class A/B Transition Customers
Reference: Exhibit 5, Attachment 13 IRM Model for the BRZ, Tab 6.1a

As noted in the application, Alectra Utilities has computed the per kWh disposition for the BRZ to be a credit of $0.0005/kWh, which is below the pre-set disposition threshold. Alectra Utilities does not request disposition of its Group 1 account balances for the BRZ. In tab 6.1a of the IRM model that Alectra Utilities filed for the BRZ, the customer-specific monthly equal payments have been calculated.

Questions:

a) Please confirm that Alectra Utilities does not request to allocate these GA amounts to the Class A/B transition customers in the BRZ when it does not request disposition of the Group 1 accounts.

Response:

a) Alectra Utilities confirms that for each of its rate zones that did not meet the pre-set disposition threshold, and where it has not requested disposition of its Group 1 account balances, it also does not request disposition of the Global Adjustment ("GA") amounts to the Class A/B transition customers.

BRZ-Staff-4

Reference 1: IRM Model BRZ Tab 3 DVA Continuity Schedule
Reference 2: BRZ - 2018 GA Analysis Workform

Questions:

a) A credit amount of $305,523 in cell BF28 for Account 1588 in the 2018 Principal Adjustments column of the BRZ DVA continuity schedule appears to be comprised of two elements: a credit amount of $179,597, pertaining to the reversal of Principal Adjustments from 2017, and a credit amount of $125,925. Please explain, in detail, what the credit amount of $125,925 represents and how it was calculated (Note: Alectra Utilities may refer to the response for interrogatory BRZ-Staff-41-a from EB-2018-0016 for the detail OEB staff is seeking).

b) A credit amount of $565,874 in cell BF29 for Account 1589 in the 2018 Principal Adjustments column of the BRZ DVA Continuity Schedule appears to be comprised of multiple elements: a credit amount of $593,356, pertaining to the reversal of Principal Adjustments from 2017 and a debit of $27,482. The debit amount of $27,482 has been identified on the GA Analysis Workform as reconciling item 1b (current year RPP Settlement True-up booked in subsequent year). Please explain, in detail, how the debit amount of $27,482 was calculated (Note: Alectra Utilities may refer to the response for interrogatory BRZ-Staff-41-b from EB-2018-0016 for the detail OEB staff is seeking).

c) The adjustment referred to in part b) above for a debit amount of $27,482 is described by Alectra Utilities in the GA Analysis Workform as "CR $27k relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year". The adjustment is described as a credit, however, it is recorded as a debit adjustment. Please confirm whether this adjustment should be a debit or credit entry. If necessary, please update the GA Analysis Workform and DVA continuity schedule.

Response:

a) The credit amount of $125,925 represents the RPP True-up for November 2018 and December 2018 recorded in January 2019 and February 2019, respectively. Tables 1 and 2 below provide the detailed calculations for Account 1588 principal adjustment for each month. Alectra Utilities confirms that the amount $125,925 has been presented correctly in the Deferral and Variance Account ("DVA") Continuity Schedule.

Table 1 – 1588 RPP True-up Reconciliation - November 2018

RPP Customers	November 2018 RPP kWhs estimated	RPP Price	Estimated Spot Price	$RPP - $Spot (difference claimed)	November 2018 RPP kWhs actual	RPP Price	Actual Spot Price	$RPP - $Spot (actual difference)	November True-up included in January 2019 Claim
	A	B	C	D=A*(B-C)	A1	B1	C1	D1=A1*(B1-C1)	E=D1-D
First Block kWh	11,036,295	0.077	0.025	$ 571,569.70	11,321,664	0.077	0.026	$ 582,053.58	
Second Block kWh	7,511,115	0.089	0.025	$ 479,134.04	9,024,885	0.089	0.027	$ 558,370.29	
TOU On Peak kWh	19,236,237	0.132	0.025	$ 2,054,237.76	20,600,500	0.132	0.026	$ 2,183,843.99	
TOU Mid Peak kWh	18,976,771	0.094	0.025	$ 1,305,412.10	19,935,813	0.094	0.026	$ 1,357,715.39	
TOU Off Peak kWh	71,618,605	0.065	0.025	$ 2,849,704.27	74,403,130	0.065	0.026	$ 2,911,592.51	
Total	**128,379,023**			**$ 7,260,057.87**	**135,285,991**			**$ 7,593,575.76**	**$ 333,517.89**

Table 2 – 1588 RPP True-up Reconciliation - December 2018

RPP Customers	December 2018 RPP kWhs estimated	RPP Price	Estimated Spot Price	$RPP - $Spot (difference claimed)	December 2018 RPP kWhs actual	RPP Price	Actual Spot Price	$RPP - $Spot (actual difference)	December True-up included in February 2019 Claim
	A	B	C	D=A*(B-C)	A1	B1	C1	D1=A1*(B1-C1)	E=D1-D
First Block kWh	8,679,934	0.077	0.026	$ 440,209.72	9,131,582	0.077	0.027	$ 454,078.44	
Second Block kWh	7,357,132	0.089	0.026	$ 461,408.35	8,953,088	0.089	0.027	$ 551,738.55	
TOU On Peak kWh	23,644,654	0.132	0.026	$ 2,499,613.29	22,034,618	0.132	0.027	$ 2,311,149.60	
TOU Mid Peak kWh	24,562,184	0.094	0.026	$ 1,663,247.71	21,034,421	0.094	0.027	$ 1,409,316.49	
TOU Off Peak kWh	88,728,599	0.065	0.026	$ 3,435,197.87	87,168,813	0.065	0.027	$ 3,313,950.72	
Total	**152,972,503**			**$ 8,499,676.94**	**148,322,523**			**$ 8,040,233.80**	**-$ 459,443.14**

Total Adjustment for November 2018 and December 2018 **-$ 125,925.25**

b) The debit amount of $27,482 represents the GA portion of RPP True-up for November 2018 and December 2018 recorded in January 2019 and February 2019, respectively. Tables 3 and 4 below provide the detailed calculations for Account 1589 principal adjustment for each month. Alectra Utilities confirms that the amount $27,482 has been presented correctly in the DVA Continuity Schedule.

Table 3 – 1589 RPP True-up Reconciliation - November 2018

RPP Customers	November 2018 RPP kWhs estimated	GA 2nd Estimate	Estimated RPP kWh @GA 2nd Esimate Claim	November 2018 RPP kWhs actual	Actual GA	Actual RPP kWh@GA actual rate	November 2018 True-up included in January 2019 Claim
	A	B	C=A*B	A1	B1	C1=A1*B1	D=C1-C
Total	**128,379,023**	**0.1054**	**-$ 13,531,149.01**	**135,285,991**	**0.09855**	**-$ 13,332,434.38**	**$ 198,714.63**

Table 4 – 1589 RPP True-up Reconciliation - December 2018

RPP Customers	December 2018 RPP kWhs estimated	GA 2nd Estimate	Estimated RPP kWh @GA 2nd Esimate	December 2018 RPP kWhs actual	Actual GA	Actual RPP kWh@GA actual rate	December 2018 True-up included in February 2019 Claim
	A	B	C=A*B	A1	B1	C1=A1*B1	D=C1-C
Total	**152,972,503**	**0.07067**	**-$ 10,810,566.79**	**148,322,523**	**0.07404**	**-$ 10,981,799.58**	**-$ 171,232.79**
				-	0		
			Total Adjustment for November 2018 and December 2018				**$ 27,481.84**

c) The total adjustment in Account 1589 principal amount for November 2018 and December 2018 is an increase in Cost of Power and a resulting debit in Account 1589 of $27,482. This amount has been presented correctly in both the DVA Continuity Schedule and the GA Analysis Workform. Alectra Utilities has updated the explanation in the GA Workform filed as BRZ-Staff-4_Attach 1_GA Workform BRZ.

BRZ-STAFF-4
ATTACHMENT 1 – GA WORKFORM BRZ

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GA Analysis Workform

Account 1589 Global Adjustment (GA) Analysis Workform

Input cells
Drop down cells

Note 1 **Year(s) Requested for Disposition** **2018**

Note 2 **Consumption Data Excluding for Loss Factor (Data to agree with RRR as applicable)**

Year		2018		
Total Metered excluding WMP	C = A+B	4,064,033,418	kWh	100%
RPP	A	1,777,142,189	kWh	43.7%
Non RPP	B = D+E	2,286,891,229	kWh	56.3%
Non-RPP Class A	D	1,020,262,018	kWh	25.1%
Non-RPP Class B*	E	1,266,629,211	kWh	31.2%

*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

Note 3 **GA Billing Rate**

GA is billed on the 1st Estimate

GA Billing Rate Description

All non-RPP Class B customers are billed on the first GA estimate. The billing cycle is not on a calendar month basis for all customers, so Brampton RZ weights on days from one month to the next appropriately.
Brampton RZ confirms that the GA rate used is applied consistently for all billing and unbilled revenue transactions for non-RPP Class B customers in each customer class.

Note 4 **Analysis of Expected GA Amount**

Year 2018

Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed ($/kWh)	$ Consumption at GA Rate Billed	GA Actual Rate Paid ($/kWh)	$ Consumption at Actual Rate Paid (Accrued)	Expected GA Variance ($)
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K
January	117,870,792	113,635,540	112,485,496	116,720,748	0.08777	$ 10,244,580	0.06736	$ 7,862,310	-$ 2,382,270
February	106,727,015	112,485,496	105,805,590	100,047,109	0.07333	$ 7,336,455	0.08167	$ 8,170,847	$ 834,393
March	108,910,949	105,805,590	106,531,349	109,636,708	0.07877	$ 8,636,083	0.09481	$ 10,394,656	$ 1,758,573
April	106,632,312	106,531,349	102,436,955	102,537,918	0.09810	$ 10,058,970	0.09959	$ 10,211,751	$ 152,781
May	107,962,080	102,436,955	106,674,478	112,199,603	0.09392	$ 10,537,787	0.10793	$ 12,109,703	$ 1,571,916
June	111,229,105	106,674,478	107,687,055	112,241,682	0.13336	$ 14,968,551	0.11896	$ 13,352,270	-$ 1,616,280
July	114,216,728	107,687,055	109,399,244	115,928,917	0.08502	$ 9,856,277	0.07737	$ 8,969,420	-$ 886,856
August	114,593,719	109,399,244	111,290,734	116,485,209	0.07790	$ 9,074,198	0.07490	$ 8,724,742	-$ 349,456
September	108,304,962	111,290,734	102,884,165	99,898,393	0.08424	$ 8,415,441	0.08584	$ 8,575,278	$ 159,837
October	103,018,836	102,884,165	100,773,866	100,908,537	0.08921	$ 9,002,051	0.12059	$ 12,168,560	$ 3,166,510
November	93,270,649	100,773,866	110,028,627	102,525,410	0.12235	$ 12,543,984	0.09855	$ 10,103,879	-$ 2,440,105
December	114,589,814	110,028,627	114,444,435	119,005,622	0.09198	$ 10,946,137	0.07404	$ 8,811,176	-$ 2,134,961
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	**1,307,326,961**	**1,289,633,099**	**1,290,441,994**	**1,308,135,857**		**$ 121,620,512**		**$ 119,454,595**	**-$ 2,165,917**

Calculated Loss Factor **1.0328**

Note 5 **Reconciling Items**

	Item	Applicability of Reconciling Item (Y/N)	Amount (Quantify if it is a significant reconciling item)	Explanation
Net Change in Principal Balance in the GL (i.e. Transactions in the			**-$ 2,051,926**	
1a	Remove impacts to GA from prior year RPP Settlement true up process that are booked in current year	Y	-$ 593,356	DR $593k related to prior year but included in the GL in the current year, therefore, should record CR in current year
1b	Add impacts to GA from current year RPP Settlement true up process that are booked in subsequent year	Y	$ 27,482	DR $27k relates to current year but recorded in the GL in the following year, therefore, should record the DR in current year
2a	Remove prior year end unbilled to actual revenue differences			No prior year end unbilled to actual revenue differences booked in current year
2b	Add current year end unbilled to actual revenue differences			No current year end unbilled to actual revenue differences booked in the following year
3a	Remove difference between prior year accrual to forecast from long term load transfers			No difference between prior year accrual to forecast from long term load transfers
3b	Add difference between current year accrual to forecast from long term load transfers			No difference between current year accrual to forecast from long term load transfers
4	Remove GA balances pertaining to Class A customers			Insignificant amount relating to Class A customers
5	Significant prior period billing adjustments included in current year GL balance but would not be included in the billing consumption used in the GA Analysis			No significant prior period billing adjustments
6	Differences in GA IESO posted rate and rate charged on IESO invoice			Not a reconciling item
7				
8				
9				
10				

Note 6

Adjusted Net Change in Principal Balance in the GL	-$	2,617,800
Net Change in Expected GA Balance in the Year Per Analysis	-$	2,165,917
Unresolved Difference	-$	451,883
Unresolved Difference as % of Expected GA Payments to IES		-0.38%

BRZ-Staff-5

LRAMVA - Threshold
Reference 1: EB-2014-0083, Exhibit 3, Tab 1, Schedule 2, p. 5 of 9 (Table 29)
Reference 2: Exhibit 5, Attachment 31 LRAMVA Workform BRZ_20190528 (Tab 2)

In the 2015 COS proceeding, Hydro One Brampton applied a CDM manual adjustment of 53,726,380 kWh to the 2015 load forecast. This is used as the LRAMVA threshold in the current lost revenue application. However, based on Exhibit 3 of Hydro One Brampton's 2015 COS application, it appears that the approved LRAMVA threshold was 103,285,799 kWh. The manual adjustment applied to the 2015 load forecast is captured below, with staff calculations noted in parenthesis.

LRAMVA Threshold

Year	2011-2015 LRAMVA threshold	2013-2015 LRAMVA Threshold (staff calculated)	CDM weights	Loss factor adjustment	CDM adjustment
	a	b	c	d	e = b * c * d
2011	13,779,046				
2012	15,155,598				
2013	29,558,293	29,558,293	0.5	1.0341	15,283,115
2014	29,558,293	29,558,293	1	1.0341	30,566,231
2015	15,234,570	15,234,570	0.5	1.0341	7,877,034
Total	**103,285,800**	**74,351,156**			**53,726,381**

Questions:

a) Please confirm whether there was explicit approval of an LRAMVA threshold to be used in 2017. If yes, please provide the reference.

b) Please provide the rationale for using a CDM manual adjustment of 53,726,380 kWh as the LRAMVA threshold.

c) If an LRAMVA threshold of 74,351,156 kWh were to be used, please provide the rate class allocation of this LRAMVA threshold. Please file another version of the workform using this threshold to confirm the LRAMVA balance.

Response:

a) Alectra Utilities confirms that there was explicit approval for the LRAM threshold of 53,726,380 kWh. Please refer to the OEB's Decision and Order in Alectra Utilities' predecessor, Hydro Once Brampton's 2015 COS application (EB-2014-0083), p. 47, and the Settlement Table 12, included below for ease of reference.

Future Rate Riders for 2013, 2014, and 2015 CDM programs from 2015 to 2019

The Parties have reached a complete settlement with regards to the threshold kWh and kW quantities included in the 2015 Load Forecast for the 2013, 2014 and 2015 CDM program years would be used to calculate LRAMVA for the period from 2015 to 2019. See **Settlement Table 12** below for the kWh and kW values to be used as the LRAMVA threshold values.

Settlement Table 12: *Post 2014 LRAMVA Threshold Values*

Rate class	Wholesale kWh's	kW/kWh Factors from Load Forecast	kW
Residential	12,486,005		-
GS < 50 kW	1,448,724		-
GS 50 to 699 kW	23,836,892	0.279928%	64,526
GS 700 to 4,999 kW	15,954,758	0.228420%	35,242
Large Use	-		-
Sentinel Lighting	-		-
Standby Power	-		-
Street Lighting	-		-
Total	**53,726,380**		**99,768**

b) Please see Alectra Utilities' response to part a).

c) Please see Alectra Utilities' response to part a).

BRZ-Staff-6

LRAMVA - Updates to LRAMVA workform
Reference: Exhibit 5, Attachment 31 LRAMVA Workform BRZ_20190528

Questions:

a) Please confirm that the Tab 8 is populated in the LRAMVA workform(s) for the BRZ.

b) If Alectra Utilities made any changes to any of its rate class LRAMVA workform(s) as a result of its responses to the interrogatories, please file the updated LRAMVA workform(s), the revised balance requested for disposition, and a table summarizing the revised rate riders.

c) Please confirm any changes to the LRAMVA workform in response to these interrogatories in "Table A-2. Updates to LRAMVA Disposition (Tab 2)".

Response:

a) Alectra Utilities confirms that the Brampton RZ did not populate Tab 8 of the LRAMVA workform as it did not complete any CDM programs for streetlights in or prior to 2017.

b) Alectra Utilities has not made any changes to the LRAMVA workform for the Brampton RZ as a result of its responses to interrogatories. However, Alectra Utilities has made adjustments to its 2017 LRAMVA claim to include additional savings related to 2017, identified in the 2018 Participation and Cost Report. The revised 2017 LRAMVA balance requested for disposition is $1,216,190, compared to $1,095,288 in Alectra Utilities' original submission. The updated LRAMVA workform is filed as BRZ-Staff-6_Attach 1_LRAMVA Workform BRZ. Table 1 below provides a summary of the revised rate riders.

Table 1 – Summary of LRAMVA Rate Riders

Rate Class	Per	Volumetric Rate Rider Revised	Volumetric Rate Rider as Filed
Residential	kWh	$0.0004	$0.0003
General Service Less Than 50 kW	kWh	$0.0012	$0.0009
General Service 500 To 699 kW	kW	$0.0564	$0.0511
General Service 700 To 4,999 kW	kW	$0.0458	$0.0446
Large Use	kW	$0.0587	$0.0584

c) Alectra Utilities has provided a summary of all changes in Table A-2 of Tab "1-a. Summary of Changes" in the LRAMVA workform. The 2020 IRM RGM Model has also been updated to reflect the changes to the LRAMVA balance.

BRZ-STAFF-6
ATTACHMENT 1 – LRAMVA WORKFORM BRZ

Ontario Energy Board

LRAMVA Work Form: Summary Tab

Version 2.0 (2017)

Legend	User Inputs (Green)
	Auto Populated Cells (White)
	Instructions (Grey)
LDC Name	Alectra - Hydro One Brampton

Application Details

Please fill in the requested information: a) the amounts approved in the previous LRAMVA application, b) details on the current application, and c) documentation of changes if applicable.

A. Previous LRAMVA Application

Previous LRAMVA Application (EB#)	EB-2018-0016
Application of Previous LRAMVA Claim	2019 IRM Application
Period of LRAMVA Claimed in Previous Application	2016
Amount of LRAMVA Claimed in Previous Applicatio	$ 763,749.00

B. Current LRAMVA Application

Current LRAMVA Application (EB#)		EB-2019-0018
Application of Current LRAMVA Claim		2020 IRM Application
Period of New LRAMVA in this Applicatio		2017
Actual Lost Revenue	A	**$ 1,585,007**
Forecast Lost Rever	B	**$ 423,384**
Carrying Charges ($	C	**$ 54,567**
LRAMVA ($) for Acc	A-B+C	**$ 1,216,190**

C. Documentation of Changes

Original Amount	$ 1,095,288.00
Amount for Final Disposition	$ 1,216,189.54

Table 1-a. LRAMVA Totals by Rate Class

Please input the customer rate classes applicable to the LDC and associated billing units (kWh or kW) in Table 1-a below. This will update all tables throughout the workform.

The LRAMVA total by rate class in Table 1-a should be used to inform the determination of rate riders in the Deferral and Variance Account Work Form or IRM Rate Generator Model. Please also ensure that the principal amounts in column E of Table 1-a capture the appropriate years and amounts for the LRAMVA claim.

NOTE: If the LDC has more than 14 customer classes in which CDM savings was allocated, LDCs must contact OEB staff to make adjustments to the workform.

Customer Class	Billing Unit	Principal ($)	Carrying Charges ($)	Total LRAMVA ($)
Residential	kWh	$468,294	$21,998	$490,292
GS<50 kWh	kWh	$396,299	$18,616	$414,915
GS 50 to 699 kW	kW	$171,621	$8,062	$179,683
GS 700 to 4,999 kW	kW	$88,537	$4,159	$92,696
Large Use	kW	$36,872	$1,732	$38,604
Street Lighting	kW	$0	$0	$0
		$0	$0	$0
		$0	$0	$0
		$0	$0	$0
		$0	$0	$0
		$0	$0	$0
		$0	$0	$0
		$0	$0	$0
		$0	$0	$0
Total		**$1,161,622**	**$54,567**	**$1,216,190**

Table 1-b. Annual LRAMVA Breakdown by Year and Rate Class

In column C of Table 1-b below, please insert a 'check mark' to indicate the years in which LRAMVA has been claimed. If you inserted a check-mark for a particular year, please delete the amounts associated with the actual and forecast lost revenues for all rate classes for that year, up to and including the total. Any LRAMVA from a prior year that has already been claimed cannot be included in the current LRAMVA disposition, with the exception of the case noted below.
If LDCs are seeking to claim true-up amounts that were previously approved by the OEB, please note that the "Amount Cleared" rows are applicable to the LDC and should be filled out. This may relate to claiming the difference in LRAM approved before the May 19, 2016 Peak Demand Consultation, and the lost revenues that would have been incurred after that consultation, as approved by the OEB. If this is the case, reference to the decision must be noted in the rate application. If this is not the case, LDCs are requested to leave those rows blank.

Depending on the period of LRAMVA to be claimed, LDCs are expected to adjust the totals for carrying charges in row 82 of Table 1-b and the years included in the LRAMVA balance in row 83, as appropriate.

Description	LRAMVA Previously Claimed	Residential	GS<50 kWh	GS 50 to 699 kW	GS 700 to 4,999 kW	Large Use	Street Lighting					Total
		kWh	kWh	kW	kW	kW	kW	0	0	0	0	
2011 Actuals	☐	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2011 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2012 Actuals	☐	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2012 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2013 Actuals	☐	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2013 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2014 Actuals	☐	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2014 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2015 Actuals	☐	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2015 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2016 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2016 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2017 Actuals		$568,181.71	$420,492.55	$354,790.26	$204,670.38	$36,871.83	$0.00	$0.00	$0.00	$0.00	$0.00	$1,585,006.73
2017 Forecast		($99,888.04)	($24,193.70)	($183,169.34)	($116,133.33)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($423,384.40)
Amount Cleared												
2018 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2018 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2019 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2019 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2020 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2020 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
Carrying Charges		$21,998.10	$18,616.14	$8,061.89	$4,159.03	$1,732.05	$0.00	$0.00	$0.00	$0.00	$0.00	$54,567.21
Total LRAMVA Balance		**$490,292**	**$414,915**	**$179,683**	**$92,696**	**$38,604**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,216,190**

Note: LDC to make note of assumptions included above, if any

Table 1-c. Breakdown of Incremental and Persisting Lost Revenues Amounts (Dollars)

LDCs are requested to clear the cells in the table to show only the amounts related to this LRAMVA application. This table is a check on the LRAMVA disposition providing a breakdown of actual incremental and persisting savings by year.

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
2011	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2012		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2013			$ -	$ -	$ -	$ -	$ 261,616.12	$ -	$ -	$ -	$ 261,616.12
2014				$ -	$ -	$ -	$ 182,599.99	$ -	$ -	$ -	$ 182,599.99
2015					$ -	$ -	$ 268,038.56	$ -	$ -	$ -	$ 268,038.56
2016						$ -	$ 296,505.69	$ -	$ -	$ -	$ 296,505.69
2017							$ 576,246.38	$ -	$ -	$ -	$ 576,246.38
2018								$ -	$ -	$ -	$ -
2019									$ -	$ -	$ -
2020										$ -	$ -
Actual Lost Revenues	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,585,006.73	$ -	$ -	$ -	$ 1,585,006.73
Forecast Lost Revenues	$ -	$ -	$ -	$ -	$ -	$ -	$ 423,384.40	$ -	$ -	$ -	$ 423,384.40
Carrying Charges	$ -	$ -	$ -	$ -	$ -	$ -	$ 6,824.53	$ 28,459.75	$ 54,567.21	$ 54,567.21	$ 144,418.70
Total	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,168,446.86	$ 28,459.75	$ 54,567.21	$ 54,567.21	$ 1,306,041.03

Ontario Energy Board

LRAMVA Work Form: Summary of Changes

Version 2.0 (2017)

Legend	
	User Inputs (Green)
	Drop Down List (Blue)
	Instructions (Grey)

Table A-1. Changes to Generic Assumptions in LRAMVA Work Form

Please document any changes in assumptions made to the generic inputs of the LRAMVA work form. This may include, but are not limited to, the use of different monthly multipliers to claim demand savings from energy efficiency programs; use of different rate allocations between current year savings and prior year savings adjustments; inclusion of additional adjustments affecting distribution rates; use of a different LRAMVA threshold; etc. All important changes should be highlighted in the work form as well.

No.	Tab	Cell Reference	Description	Rationale
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
etc.				

Table A-2. Updates to LRAMVA Disposition

Please document any changes related to interrogatories or questions during the application process that affect the LRAMVA amount.

No.	Tab	Cell Reference	Description	Rationale
1	4. 2011-2014 LRAM	Table 4-c	completed 2017 with verified program savings	
2				
3				
4				
5				
6				
7				
8				
9				
10				
etc.				

Ontario Energy Board

LRAMVA Work Form: Forecast Lost Revenues

Legend

User Inputs (Green)
Drop Down List (Blue)
Auto Populated Cells (White)
Instructions (Grey)

Table 2-a. LRAMVA Threshold

2015

Please provide the LRAMVA threshold approved in the cost of service (COS) application, which is used as the comparator against actual savings in the period of the LRAMVA claim. The LRAMVA threshold should generally be consistent with the annualized savings targets developed from Appendix 2-I. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

	Total	Residential	GS<50 kWh	GS 50 to 699 kW	GS 700 to 4,999 kW	Large Use	Street Lighting
		kWh	kWh	kW	kW	kW	kW
kWh	53,726,379	12,486,005	1,448,724	23,836,892	15,954,758		
kW	99,768			64,525.78	35,242.11		
Summary		12486004.89	1448724.307	64525.78165	35242.11041	0	0

Basis of Threshold

Source of Threshold EB-2014-0083, 2015 Cost of Service Settlement Agreement, p. 48 of 49

Table 2-b. LRAMVA Threshold

Please provide the LRAMVA threshold approved in the last COS application, which is used as the comparator against actual savings in the period of the LRAMVA claim. The LRAMVA threshold should generally be consistent with the annualized savings targets developed from Appendix 2-I. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

	Total	Residential	GS<50 kWh	GS 50 to 699 kW	GS 700 to 4,999 kW	Large Use	Street Lighting
		kWh	kWh	kW	kW	kW	kW
kWh	0						
kW	0						
Summary		0	0	0	0	0	0

Basis of Threshold

Source of Threshold EB-2014-0083

Table 2-c. Inputs for LRAMVA Thresholds

Please complete Table 2-c below by selecting the appropriate LRAMVA threshold year in column C. The LRAMVA threshold values in Table 2-c will auto-populate from Tables 2-a and 2-b depending on the year selected. If there was no LRAMVA threshold established for a particular year, please select the "blank" option. The LRAMVA threshold values in Table 2-c will be auto-populated in Tabs 4 and 5 of this work form.

Year	LRAMVA Threshold	Residential	GS<50 kWh	GS 50 to 699 kW	GS 700 to 4,999 kW	Large Use	Street Lighting
		kWh	kWh	kW	kW	kW	kW
2011		0	0	0	0	0	0
2012		0	0	0	0	0	0
2013		0	0	0	0	0	0
2014		0	0	0	0	0	0
2015	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0
2017	2015	12,486,005	1,448,724	64,526	35,242	0	0
2018	0	0	0	0	0	0	0
2019		0	0	0	0	0	0
2020		0	0	0	0	0	0

Note: LDC to make note of assumptions included above, if any

Ontario Energy Board

LRAMVA Work Form: Distribution Rates

Version 2.0 (2017)

Legend

User Inputs (Green)
Auto Populated Cells (White)
Instructions (Grey)

Tables

Table 3
Table 3-a.

Table 3. Inputs for Distribution Rates and Adjustments by Rate Class

Please complete Table 3 with the rate class specific distribution rates that pertain to the years of the LRAMVA disposition. Any adjustments that affect distribution rates can be incorporated in the calculation by expanding the "plus" button at the left hand bar. Table 3 will convert the distribution rates to a calendar year rate (January to December) based on the number of months entered in row 16 of each rate year starting from January to the start of the LDC's rate year. Please enter 0 in row 16, if the rate year begins on January 1. If there are additional adjustments (i.e., rows) added to Table 3, please adjust the formulas in Table 3-a accordingly.

	Billing Unit	EB-2009-XXXX	EB-2010-XXXX	EB-2011-XXXX	EB-2012-XXXX	EB-2013-XXXX	EB-2014-XXXX	EB-2015-0078	EB-2016-0080	EB-2017-XXXX	EB-2018-XXXX	EB-2019-XXXX	EB-2020-XXXX
Rate Year		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Period 1 (# months)								*0*	*0*	*4*			
Period 2 (# months)		*12*	*12*	*12*	*12*	*12*	*12*	*12*	*12*	*8*	*12*	*12*	*12*
Residential	kWh								$ 0.0080				
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.0080	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 0.0080**		**$ -**	**$ -**	
GS<50 kWh	kWh								$ 0.0167				
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.0167	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 0.0167**		**$ -**	**$ -**	
GS 50 to 699 kW	kW								$ 2.8387				
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2.8387	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2.8387**		**$ -**	**$ -**	
GS 700 to 4,999 kW	kW								$ 3.2953				
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3.2953	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 3.2953**		**$ -**	**$ -**	
Large Use	kW								$ 2.4949				
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2.4949	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2.4949**		**$ -**	**$ -**	
Street Lighting	kW								$ 11.5388				
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 11.5388	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 11.5388**		**$ -**	**$ -**	

Note: LDC to make note of adjustments made to Table 3 to accommodate the LDC's specific circumstances

Table 3-a. Distribution Rates by Rate Class

Table 3-a below autopopulates the average distribution rates from Table 3. Please ensure that the distribution rates relevant to the years of the LRAMVA disposition are used. As such, please clear the rates related to the year(s) that are not part of the LRAMVA claim. The distribution rates that remain in Table 3-a will be used in Tabs 4 and 5 of the work form to calculate actual and forecast lost revenues. If there are additional adjustments (i.e., rows) added to Table 3, please adjust the formulas from Table 3-a, as well as the distribution rate links in Tabs 4 and 5.

Year	Residential	GS<50 kWh	GS 50 to 699 kW	GS 700 to 4,999 kW	Large Use	Street Lighting								
	kWh	kWh	kW	kW	kW	kW	0	0	0	0	0	0	0	0
2011	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2012	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2013	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2014	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2015	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2016	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2017	$0.0080	$0.0167	$2.8387	$3.2953	$2.4949	$11.5388	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2018	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2019	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2020	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000

Note: LDC to make note of the years removed from this table, whose distribution rates are not part of the LRAMVA disposition

Ontario Energy Board

LRAMVA Work Form:
Determination of Rate Class Allocations

Version 2.0 (2017)

Instructions

LDCs must clearly show how it has allocated actual CDM savings to applicable rate classes, including supporting documentation and rationale for its proposal. This should be shown by customer class and program each year.

The IESO performs evaluations for all of its programs, which includes examining gross energy savings from the programs and the net-to-gross ratio ("NTGR"). From these evaluations the IESO calculates net energy savings by initiative within a program group (residential, business, industrial and low income). Peak load savings are also calculated, and reported by initiative within a program group. For initiatives implemented under the Residential and Low Income Programs, 100% of CDM savings were attributed to the Residential Rate Class. For initiatives implemented under the Commercial and Industrial programs that apply to more than one rate class, the savings were estimated by rate class, based on participant-specific information, where available.

Ontario Energy Board

LRAMVA Work Form:
2011 - 2014 Lost Revenues Work Form

Version 2.0 (2017)

Legend

User Inputs (Green)
Auto Populated Cells (White)
Instructions (Grey)

Instructions

1. LDCs can apply for disposition of LRAMVA amounts at any time, but at a minimum, must do so as part of a cost of service (COS) application. The following LRAMVA work forms apply to LDCs that need to recover lost revenues from the 2011-2014 period. Please input or manually link the savings, adjustments and program savings persistence data in these tables from the LDC's Persistence Reports provided by the IESO (in Tab 7). As noted earlier, persistence data is available upon request from the IESO. Please also be advised that the same rate classes (of up to 14) are carried over from the Summary Tab 1.

2. Please ensure that the IESO verified savings adjustments apply back to the program year it relates to. For example, savings adjustments related to 2012 programs that were reported by the IESO in 2013 should be included in the 2012 program savings table. In order for persisting savings to be claimed in future years, past year's initiative level savings results need to be filled out in the tables below. If the IESO adjustments were made available to the LDC after the LRAMVA was approved, the persistence of those savings adjustments in the future can be claimed as

3. The work forms below include the monthly multipliers for most programs in order to claim demand savings from energy efficiency programs, consistent with the monthly multipliers indicated in the OEB's updated LRAM policy related to peak demand savings in EB-2016-0182. Demand Response (DR3) savings should generally not be included with the LRAMVA calculation, unless suported by empirical evidence. LDCs are requested to confirm the monthly multipliers for all programs each year as placeholder values are provided. If a different monthly multiplier is used,

4. LDC are requested to input the applicable rate class allocation percentages to allocate actual savings to the rate classes. The generic template currently includes the same allocation percentage for program savings and its savings adjustments. If a different allocation is proposed for savings adjustments, LDCs must provide supporting rationale in Tab 1-a and highlight the change.

5. The persistence of future savings is expected to be included in the distributor's load forecast after re-basing. LDCs are requested to delete the applicable savings persistence rows (auto-calculated after the LRAMVA totals for the year) if future year's persistence of savings is already captured in the updated load forecast. Please also provide assumptions about the years in which persistence is captured in the load forecast calculation in the "Notes" section below each table.

Tables

Table 4-a. 2011 Lost Revenues

Table 4-b. 2012 Lost Revenues

Table 4-c. 2013 Lost Revenues

Table 4-d. 2014 Lost Revenues

Table 4-a. 2011 Lost Revenues Work Form

Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)									Rate Allocations for LRAMVA						
		2011	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Residential	GS<50 kWh	GS 50 to 699 kW	GS 700 to 4,999 kW	Large Use	Street Lighting	Total
Consumer Program													kWh	kWh	kW	kW	kW	kW	
Actual CDM Savings in 2011		**0**	**0**										**0**	**0**	**0**	**0**	**0**	**0**	
Forecast CDM Savings in 2011													**0**	**0**	**0**	**0**	**0**	**0**	
Distribution Rate in 2011													$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	
Lost Revenue in 2011 from 2011 programs													**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Forecast Lost Revenues in 2011													**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
LRAMVA in 2011																			**$0.00**
2011 Savings Persisting in 2012													0	0	0	0	0	0	
2011 Savings Persisting in 2013													0	0	0	0	0	0	
2011 Savings Persisting in 2014													0	0	0	0	0	0	
2011 Savings Persisting in 2015													0	0	0	0	0	0	
2011 Savings Persisting in 2016													0	0	0	0	0	0	
2011 Savings Persisting in 2017													0	0	0	0	0	0	
2011 Savings Persisting in 2018													0	0	0	0	0	0	
2011 Savings Persisting in 2019													0	0	0	0	0	0	
2011 Savings Persisting in 2020													0	0	0	0	0	0	

Note: LDC to make note of key assumptions included above

Table 4-b. 2012 Lost Revenues Work Form Return to top

Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)									Rate Allocations for LRAMVA						
		2012	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Residential	GS<50 kWh	GS 50 to 699 kW	GS 700 to 4,999 kW	Large Use	Street Lighting	Total
Consumer Program													kWh	kWh	kW	kW	kW	kW	
Actual CDM Savings in 2012		**0**	**0**										**0**	**0**	**0**	**0**	**0**	**0**	
Forecast CDM Savings in 2012													**0**	**0**	**0**	**0**	**0**	**0**	
Distribution Rate in 2012													$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	
Lost Revenue in 2012 from 2011 programs													$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2012 from 2012 programs													$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total Lost Revenues in 2012													**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Forecast Lost Revenues in 2012													**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
LRAMVA in 2012																			**$0.00**
2012 Savings Persisting in 2013													0	0	0	0	0	0	
2012 Savings Persisting in 2014													0	0	0	0	0	0	
2012 Savings Persisting in 2015													0	0	0	0	0	0	
2012 Savings Persisting in 2016													0	0	0	0	0	0	
2012 Savings Persisting in 2017													0	0	0	0	0	0	
2012 Savings Persisting in 2018													0	0	0	0	0	0	
2012 Savings Persisting in 2019													0	0	0	0	0	0	
2012 Savings Persisting in 2020													0	0	0	0	0	0	

Note: LDC to make note of key assumptions included above

Table 4-c. 2013 Lost Revenues Work Form Return to top

Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)									Rate Allocations for LRAMVA						
		2013	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Residential	GS<50 kWh	GS 50 to 699 kW	GS 700 to 4,999 kW	Large Use	Street Lighting	Total
Consumer Program				4	5	6	7	8	9	10	11	12	kWh	kWh	kW	kW	kW	kW	
Actual CDM Savings in 2013		**51,713,173**	**12,279**	**8,173**	**8,162**	**8,058**	**7,565**	**7,495**	**7,495**	**7,481**	**7,285**	**6,858**	**2,334,567**	**4,926,610**	**39,439**	**17,350**	**6,004**	**0**	
Forecast CDM Savings in 2013			**3,921**	**3,919**	**3,919**	**3,919**	**3,917**	**3,913**	**3,913**	**3,913**	**3,901**	**3,876**	**0**	**0**	**0**	**0**	**0**	**0**	
Distribution Rate in 2013													$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	
Lost Revenue in 2013 from 2011 programs													$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2013 from 2012 programs													$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2013 from 2013 programs													$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total Lost Revenues in 2013													**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Forecast Lost Revenues in 2013													**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
LRAMVA in 2013																			**$0.00**
2013 Savings Persisting in 2014													2,307,203	5,001,993	40,846	17,820	6,033	0	
2013 Savings Persisting in 2015													2,269,663	4,968,292	40,843	17,819	6,033	0	
2013 Savings Persisting in 2016													2,137,282	4,655,056	40,719	17,792	6,017	0	
2013 Savings Persisting in 2017													2,134,503	3,555,636	39,676	17,541	5,904	0	
2013 Savings Persisting in 2018													1,959,610	3,537,002	39,272	17,402	5,900	0	
2013 Savings Persisting in 2019													1,959,610	3,537,002	39,272	17,402	5,900	0	
2013 Savings Persisting in 2020													1,959,044	3,519,046	39,226	17,386	5,899	0	

Note: LDC to make note of key assumptions included above

Table 4-d. 2014 Lost Revenues Work Form Return to Top

Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)									Rate Allocations for LRAMVA						
		2014	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Residential	GS<50 kWh	GS 50 to 699 kW	GS 700 to 4,999 kW	Large Use	Street Lighting	Total
Actual CDM Savings in 2014		**30,407,056**	**13,549**	**4,687**	**4,649**	**4,451**	**4,293**	**4,183**	**4,078**	**4,078**	**3,821**	**3,359**	**6,412,876**	**4,633,262**	**18,732**	**2,461**	**4,964**	**0**	
Forecast CDM Savings in 2014		**30,407,056**											**0**	**0**	**0**	**0**	**0**	**0**	
Distribution Rate in 2014													$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	
Lost Revenue in 2014 from 2011 programs													$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2014 from 2012 programs													$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2014 from 2013 programs													$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2014 from 2014 programs													$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total Lost Revenues in 2014													**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Forecast Lost Revenues in 2014													**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
LRAMVA in 2014																			**$0.00**
2014 Savings Persisting in 2015													5,897,284	4,614,829	18,732	2,461	4,482	0	
2014 Savings Persisting in 2016													5,605,704	4,526,254	18,732	2,461	4,482	0	
2014 Savings Persisting in 2017													5,596,631	3,972,304	18,443	2,416	4,480	0	
2014 Savings Persisting in 2018													5,504,633	3,821,653	17,209	2,416	4,480	0	
2014 Savings Persisting in 2019													5,433,490	3,819,798	17,183	2,412	3,327	0	
2014 Savings Persisting in 2020													5,431,702	3,706,506	16,472	2,302	3,321	0	

Note: LDC to make note of key assumptions included above

Ontario Energy Board

LRAMVA Work Form:
2015 - 2020 Lost Revenues Work Form

Legend

User Inputs (Green)
Auto Populated Cells (White)
Instructions (Grey)

Instructions

1. LDCs can apply for disposition of LRAMVA amounts at any time, but at a minimum, must do so as part of a cost of service (COS) application. The following LRAMVA work forms apply to LDCs that need to recover lost revenues from the 2015-2020 period. Please input or manually link the savings, adjustments and program savings persistence data in these tables from the LDC's Persistence Reports provided by the IESO (in Tab 7). As noted earlier, persistence data is available upon request from the IESO. Please also be advised that the same rate classes (of up to 14) are carried over from the Summary Tab 1.

2. Please ensure that the IESO verified savings adjustments apply back to the program year it relates to. For example, savings adjustments related to 2016 programs that were reported by the IESO in 2017 should be included in the 2016 program savings table. In order for persisting savings to be claimed in future years, past year's initiative level savings results need to be filled out in the tables below. If the IESO adjustments were made available to the LDC after the LRAMVA was approved, the persistence of those savings adjustments in the future can be claimed as approved LRAMVA amounts are considered to be final.

3. The work forms below include the monthly multipliers for most programs in order to claim demand savings from energy efficiency programs, consistent with the monthly multipliers indicated in the OEB's updated LRAM policy related to peak demand savings in EB-2016-0182. Demand Response (DR3) savings should generally not be included with the LRAMVA calculation, unless suported by empirical evidence. LDCs are requested to confirm the monthly multipliers for all programs each year as placeholder values are provided. If a different monthly multiplier is used, please include rationale in Tab 1-a and highlight the new multiplier that has been used.

4. LDC are requested to input the applicable rate class allocation percentages to allocate actual savings to the rate classes. The generic template currently includes the same allocation percentage for program savings and its savings adjustments. If a different allocation is proposed for savings adjustments, LDCs must provide supporting rationale in Tab 1-a and highlight the change.

5. The persistence of future savings is expected to be included in the distributor's load forecast after re-basing. LDCs are requested to delete the applicable savings persistence rows (auto-calculated after the LRAMVA totals for the year) if future year's persistence of savings is already captured in the updated load forecast. Please also provide assumptions about the years in which persistence is captured in the load forecast calculation in the "Notes" section below each table.

Tables

Table 5-a. 2015 Lost Revenues
Table 5-b. 2016 Lost Revenues
Table 5-c. 2017 Lost Revenues
Table 5-d. 2018 Lost Revenues
Table 5-e. 2019 Lost Revenues
Table 5-f. 2020 Lost Revenues

Table 5-a. 2015 Lost Revenues Work Form

Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Rate Allocations for LRAMVA						
		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		2015	Residential	GS<50 kWh	GS 50 to 699 kW	GS 700 to 4,999 kW	Large Use	Street Lighting	Total
Legacy Framework														kWh	kWh	kW	kW	kW	kW	
Actual CDM Savings in 2015		**30,830,927**	**36,159,349**	**35,943,186**	**35,917,248**	**35,898,706**	**35,880,369**	**34,817,194**	**34,814,879**	**34,157,865**	**30,581,950**		**4,346**	**6,326,094**	**7,267,886**	**20,244**	**8,233**	**351**	**0**	
Forecast CDM Savings in 2015		**33,457,940**	**-278,226**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**		**5,754**	**0**	**0**	**0**	**0**	**0**	**0**	
Distribution Rate in 2015														$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	
Lost Revenue in 2015 from 2011 programs														$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2015 from 2012 programs														$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2015 from 2013 programs														$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2015 from 2014 programs														$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2015 from 2015 programs														$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total Lost Revenues in 2015														**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Forecast Lost Revenues in 2015														**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
LRAMVA in 2015																				**$0.00**
2015 Savings Persisting in 2016														10,272,135	5,734,263	23,482	9,248	369	0	
2015 Savings Persisting in 2017														10,265,389	5,286,292	23,383	9,206	368	0	
2015 Savings Persisting in 2018														10,258,643	5,270,986	23,377	9,203	368	0	
2015 Savings Persisting in 2019														10,240,100	5,270,986	23,394	9,210	368	0	
2015 Savings Persisting in 2020														10,223,414	5,270,733	23,394	9,210	368	0	

Note: LDC to make note of key assumptions included above

Table 5-b. 2016 Lost Revenues Work Form Return to top

Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Rate Allocations for LRAMVA						
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025		2016	Residential	GS<50 kWh	GS 50 to 699 kW	GS 700 to 4,999 kW	Large Use	Street Lighting	Total
Legacy Framework														kWh	kWh	kW	kW	kW	kW	
Actual CDM Savings in 2016		45,343,322	40,994,310	40,994,310	40,994,310	40,981,068	40,189,945	40,185,889	40,175,251	39,666,989	39,601,615	372	6,234	17,844,439	2,861,414	18,078	23,177	2,943	0	
Forecast CDM Savings in 2016														0	0	0	0	0	0	
Distribution Rate in 2016																			$0.00000	
Lost Revenue in 2016 from 2011 programs																			$0.00	$0.00
Lost Revenue in 2016 from 2012 programs																			$0.00	$0.00
Lost Revenue in 2016 from 2013 programs																			$0.00	$0.00
Lost Revenue in 2016 from 2014 programs																			$0.00	$0.00
Lost Revenue in 2016 from 2015 programs																			$0.00	$0.00
Lost Revenue in 2016 from 2016 programs																			$0.00	$0.00
Total Lost Revenues in 2016																			**$0.00**	**$0.00**
Forecast Lost Revenues in 2016																			**$0.00**	**$0.00**
LRAMVA in 2016																				**$0.00**
2016 Savings Persisting in 2017														16,188,305	2,579,613	16,039	21,811	2,612	0	
2016 Savings Persisting in 2018														16,188,305	2,579,613	16,039	21,811	2,612	0	
2016 Savings Persisting in 2019														16,188,305	2,579,613	16,039	21,811	2,612	0	
2016 Savings Persisting in 2020														16,188,305	2,566,371	16,039	21,811	2,612	0	

Note: LDC to make note of key assumptions included above

Table 5-c. 2017 Lost Revenues Work Form Return to top

Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Rate Allocations for LRAMVA						
		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026		2017	Residential	GS<50 kWh	GS 50 to 699 kW	GS 700 to 4,999 kW	Large Use	Street Lighting	Total
Legacy Framework														kWh	kWh	kW	kW	kW	kW	
Actual CDM Savings in 2017		66,742,263	0										8,255	36,837,886	9,785,349	27,443	11,136	1,415	0	
Forecast CDM Savings in 2017														12,486,005	1,448,724	64,526	35,242	0	0	
Distribution Rate in 2017														$0.00800	$0.01670	$2.83870	$3.29530	$2.49490	$11.53880	
Lost Revenue in 2017 from 2011 programs														$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2017 from 2012 programs														$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lost Revenue in 2017 from 2013 programs														$17,076.03	$59,379.12	$112,627.66	$57,803.71	$14,729.60	$0.00	$261,616.12
Lost Revenue in 2017 from 2014 programs														$44,773.05	$66,337.48	$52,352.89	$7,960.58	$11,175.99	$0.00	$182,599.99
Lost Revenue in 2017 from 2015 programs														$82,123.11	$88,281.08	$66,378.66	$30,337.40	$918.30	$0.00	$268,038.56
Lost Revenue in 2017 from 2016 programs														$129,506.44	$43,079.54	$45,529.38	$71,873.46	$6,516.87	$0.00	$296,505.69
Lost Revenue in 2017 from 2017 programs														$294,703.09	$163,415.33	$77,901.68	$36,695.23	$3,531.06	$0.00	$576,246.38
Total Lost Revenues in 2017														**$568,181.71**	**$420,492.55**	**$354,790.26**	**$204,670.38**	**$36,871.83**	**$0.00**	**$1,585,006.73**
Forecast Lost Revenues in 2017														**$99,888.04**	**$24,193.70**	**$183,169.34**	**$116,133.33**	**$0.00**	**$0.00**	**$423,384.40**
LRAMVA in 2017																				**$1,161,622.33**
2017 Savings Persisting in 2018														0	0	21,678	10,404	1,357	0	
2017 Savings Persisting in 2019														0	0	0	0	0	0	
2017 Savings Persisting in 2020														0	0	0	0	0	0	

Note: LDC to make note of key assumptions included above

Return to top

Ontario Energy Board

LRAMVA Work Form:
Carrying Charges by Rate Class

Legend

User Inputs (Green)
Auto Populated Cells (White)
Instructions (Grey)

Instructions

1. Please update Table 6 as new approved prescribed interest rates for deferral and variance accounts become available. Monthly interest rates are used to calculate the variance on the carrying charges for LRAMVA. Starting from column I, the principal will auto-populate as monthly variances in Table 6-a, and are multiplied by the interest rate from column H to determine the monthly variances on carrying charges for each rate class by year.

2. The annual carrying charges totals in Table 6-a below pertain to the amount that was originally collected in interest from forecasted CDM savings and what should have been collected based on actual CDM savings. As the amounts calculated in Table 6-a are cumulative, LDCs are requested to enter any collected interest amounts into the "Amounts Cleared" row in order to clear the balance and calculate outstanding variances on carrying charges.

Table 6. Prescribed Interest Rates

Quarter	Approved Deferral & Variance Accounts
2011 Q1	1.47%
2011 Q2	1.47%
2011 Q3	1.47%
2011 Q4	1.47%
2012 Q1	1.47%
2012 Q2	1.47%
2012 Q3	1.47%
2012 Q4	1.47%
2013 Q1	1.47%
2013 Q2	1.47%
2013 Q3	1.47%
2013 Q4	1.47%
2014 Q1	1.47%
2014 Q2	1.47%
2014 Q3	1.47%

Table 6-a. Calculation of Carrying Costs by Rate Class

Go to Tab 1: Summary

Amount Cleared									
Opening Balance for 2017				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Jan-17	2011-2017	Q1	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Feb-17	2011-2017	Q1	0.09%	$35.77	$30.27	$13.11	$6.76	$2.82	$88.74
Mar-17	2011-2017	Q1	0.09%	$71.54	$60.55	$26.22	$13.53	$5.63	$177.47
Apr-17	2011-2017	Q2	0.09%	$107.32	$90.82	$39.33	$20.29	$8.45	$266.21
May-17	2011-2017	Q2	0.09%	$143.09	$121.09	$52.44	$27.05	$11.27	$354.94
Jun-17	2011-2017	Q2	0.09%	$178.86	$151.36	$65.55	$33.82	$14.08	$443.68
Jul-17	2011-2017	Q3	0.09%	$214.63	$181.64	$78.66	$40.58	$16.90	$532.41
Aug-17	2011-2017	Q3	0.09%	$250.41	$211.91	$91.77	$47.34	$19.72	$621.15
Sep-17	2011-2017	Q3	0.09%	$286.18	$242.18	$104.88	$54.11	$22.53	$709.88
Oct-17	2011-2017	Q4	0.13%	$439.03	$371.53	$160.89	$83.00	$34.57	$1,089.02
Nov-17	2011-2017	Q4	0.13%	$487.81	$412.81	$178.77	$92.23	$38.41	$1,210.02
Dec-17	2011-2017	Q4	0.13%	$536.59	$454.09	$196.65	$101.45	$42.25	$1,331.03
Total for 2017				**$2,751.23**	**$2,328.26**	**$1,008.27**	**$520.16**	**$216.62**	**$6,824.53**
Amount Cleared									

Table 6. Prescribed Interest Rates

Quarter	Approved Deferral & Variance Accounts
2014 Q4	1.47%
2015 Q1	1.47%
2015 Q2	1.10%
2015 Q3	1.10%
2015 Q4	1.10%
2016 Q1	1.10%
2016 Q2	1.10%
2016 Q3	1.10%
2016 Q4	1.10%
2017 Q1	1.10%
2017 Q2	1.10%
2017 Q3	1.10%
2017 Q4	1.50%
2018 Q1	1.50%
2018 Q2	1.89%
2018 Q3	1.89%
2018 Q4	2.17%
2019 Q1	2.45%
2019 Q2	2.18%
2019 Q3	2.18%
2019 Q4	2.18%
2020 Q1	
2020 Q2	
2020 Q3	
2020 Q4	

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Table 6-a. Calculation of Carrying Costs by Rate Class

Go to Tab 1: Summary

Amount Cleared									
Opening Balance for 2018				**$2,751.23**	**$2,328.26**	**$1,008.27**	**$520.16**	**$216.62**	**$6,824.53**
Jan-18	2011-2018	Q1	0.13%	$585.37	$495.37	$214.53	$110.67	$46.09	$1,452.03
Feb-18	2011-2018	Q1	0.13%	$585.37	$495.37	$214.53	$110.67	$46.09	$1,452.03
Mar-18	2011-2018	Q1	0.13%	$585.37	$495.37	$214.53	$110.67	$46.09	$1,452.03
Apr-18	2011-2018	Q2	0.16%	$737.56	$624.17	$270.30	$139.45	$58.07	$1,829.56
May-18	2011-2018	Q2	0.16%	$737.56	$624.17	$270.30	$139.45	$58.07	$1,829.56
Jun-18	2011-2018	Q2	0.16%	$737.56	$624.17	$270.30	$139.45	$58.07	$1,829.56
Jul-18	2011-2018	Q3	0.16%	$737.56	$624.17	$270.30	$139.45	$58.07	$1,829.56
Aug-18	2011-2018	Q3	0.16%	$737.56	$624.17	$270.30	$139.45	$58.07	$1,829.56
Sep-18	2011-2018	Q3	0.16%	$737.56	$624.17	$270.30	$139.45	$58.07	$1,829.56
Oct-18	2011-2018	Q4	0.18%	$846.83	$716.64	$310.35	$160.10	$66.68	$2,100.60
Nov-18	2011-2018	Q4	0.18%	$846.83	$716.64	$310.35	$160.10	$66.68	$2,100.60
Dec-18	2011-2018	Q4	0.18%	$846.83	$716.64	$310.35	$160.10	$66.68	$2,100.60
Total for 2018				**$11,473.20**	**$9,709.32**	**$4,204.71**	**$2,169.16**	**$903.36**	**$28,459.75**
Amount Cleared									
Opening Balance for 2019				**$11,473.20**	**$9,709.32**	**$4,204.71**	**$2,169.16**	**$903.36**	**$28,459.75**
Jan-19	2011-2019	Q1	0.20%	$956.10	$809.11	$350.39	$180.76	$75.28	$2,371.65
Feb-19	2011-2019	Q1	0.20%	$956.10	$809.11	$350.39	$180.76	$75.28	$2,371.65
Mar-19	2011-2019	Q1	0.20%	$956.10	$809.11	$350.39	$180.76	$75.28	$2,371.65
Apr-19	2011-2019	Q2	0.18%	$850.73	$719.94	$311.78	$160.84	$66.98	$2,110.28
May-19	2011-2019	Q2	0.18%	$850.73	$719.94	$311.78	$160.84	$66.98	$2,110.28
Jun-19	2011-2019	Q2	0.18%	$850.73	$719.94	$311.78	$160.84	$66.98	$2,110.28
Jul-19	2011-2019	Q3	0.18%	$850.73	$719.94	$311.78	$160.84	$66.98	$2,110.28
Aug-19	2011-2019	Q3	0.18%	$850.73	$719.94	$311.78	$160.84	$66.98	$2,110.28
Sep-19	2011-2019	Q3	0.18%	$850.73	$719.94	$311.78	$160.84	$66.98	$2,110.28
Oct-19	2011-2019	Q4	0.18%	$850.73	$719.94	$311.78	$160.84	$66.98	$2,110.28
Nov-19	2011-2019	Q4	0.18%	$850.73	$719.94	$311.78	$160.84	$66.98	$2,110.28
Dec-19	2011-2019	Q4	0.18%	$850.73	$719.94	$311.78	$160.84	$66.98	$2,110.28
Total for 2019				**$21,998.10**	**$18,616.14**	**$8,061.89**	**$4,159.03**	**$1,732.05**	**$54,567.21**
Amount Cleared									
Opening Balance for 2020				**$21,998.10**	**$18,616.14**	**$8,061.89**	**$4,159.03**	**$1,732.05**	**$54,567.21**
Jan-20	2011-2020	Q1	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Feb-20	2011-2020	Q1	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Mar-20	2011-2020	Q1	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Apr-20	2011-2020	Q2	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
May-20	2011-2020	Q2	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jun-20	2011-2020	Q2	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jul-20	2011-2020	Q3	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Aug-20	2011-2020	Q3	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Sep-20	2011-2020	Q3	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Oct-20	2011-2020	Q4	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Nov-20	2011-2020	Q4	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Dec-20	2011-2020	Q4	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total for 2020				**$21,998.10**	**$18,616.14**	**$8,061.89**	**$4,159.03**	**$1,732.05**	**$54,567.21**
Amount Cleared									

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Supporting Documentation:
LDC Persistence Savings Results from IESO

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1. Columns B to H of this tab have been structured in a way to match the formatting of the persistence report provided by the IESO. Please copy and paste the program information by initiative in Columns B to H and the corresponding demand and energy savings data by initiative in Columns L to BT of this work form.

2. Please identify the source of the report via the dropdown list in Column I.

3. To faciliate the identification of adjustments that may be available in a prospective year's results report, it will be easier to sort all the savings by implementation year (Column H). This can be done by clicking on the filter button at cell H25 (highlighted in orange). Before you sort values, please ensure that all table columns have filters.

4. Please identify what the savings value represents (i.e., current year savings for the year or an adjustment to a prior year) via the dropdown list in Column J. Current year savings would be identified with an implementation year that matches the year of the persistence report. A savings adjustment would be identified with a prior year implementation in the future year's results report.

5. Please manually input or link the applicable savings and adjustments (Columns L to BT) for all applicable initiatives in Tabs 4 and 5 of this work form.

NOTE: The Net Verified Peak Demand Savings table and Net Verified Energy Savings table below are in the reverse order to the accompanying tables in Tab 4 and Tab 5. The tables below match those provided by the IESO.

Table 7. 2011-2020 Verified Program Results and Persistence into Future Years

Step	#1					#3	#2	#4
Portfoli	Program	Initiative	LDC	Sector	Conservation Resource	(Implementation) Year	Identify Source of Report	Identify Status of Savings
		Save on Energy Coupon Program	Hydro One Brampton			2016	2016 Results Persistence	Current year savings
		Save on Energy Heating & Cooling Program						
		Save on Energy New Construction Program						
		Save on Energy Home Assistance Program						
		Save on Energy Audit Funding Program						
		Save on Energy Retrofit Program						
		Save on Energy Small Business Lighting Program						
		Save on Energy High Performance New Construction Program						
		Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program						
		Solar Powered Attic Ventilation Pilot Program						
		Truckload Event Pilot Program						

2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
778	778	778	778	778	778	778	778	778	775	748	748
901	901	901	901	901	901	901	901	901	901	901	901
84	84	84	84	84	84	84	84	84	84	83	83
0	0	0	0	0	0	0	0	0	0	0	0
9	9	9	9	9	9	9	9	9	9	2	0
2,862	2,778	2,778	2,778	2,778	2,740	2,740	2,740	2,695	2,695	2,655	1,926
23	23	23	23	21	20	19	17	13	8	7	5
926	926	926	926	926	926	926	926	926	926	926	926
3	3	3	3	3	3	3	3	3	3	3	3
199	199	199	199	199	199	199	199	199	199	0	0
76	76	76	76	76	76	76	76	76	76	76	76

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Table 7. 2011-2020 Verified Program Results and Persistence into Future Years

Step	#1					#3	#2	#4												
Portfoli	Program	Initiative	LDC	Sector	Conservation Resource	(Implementation) Year	Identify Source of Report	Identify Status of Savings	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
		Save on Energy Coupon Program	Hydro One Brampton			2016	2016 Results Persistence	Current year savings	748	747	651	651	279	0	0	0	0	0	0	0	0
		Save on Energy Heating & Cooling Program							901	901	901	901	901	901	786	0	0	0	0	0	0
		Save on Energy New Construction Program							83	83	83	20	7	1	0	0	0	0	0	0	0
		Save on Energy Home Assistance Program							0	0	0	0	0	0	0	0	0	0	0	0	0
		Save on Energy Audit Funding Program							0	0	0	0	0	0	0	0	0	0	0	0	0
		Save on Energy Retrofit Program							498	498	127	20	20	20	20	20	0	0	0	0	0
		Save on Energy Small Business Lighting Program							4	4	3	3	3	3	2	2	2	2	0	0	0
		Save on Energy High Performance New Construction Program							926	926	926	918	914	673	549	549	549	549	549	549	549
		Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program							3	3	1	1	1	1	0	0	0	0	0	0	0
		Solar Powered Attic Ventilation Pilot Program							0	0	0	0	0	0	0	0	0	0	0	0	0
		Truckload Event Pilot Program							76	68	68	31	31	0	0	0	0	0	0	0	0

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1. Columns B to H of this tab have been structured in a way to match the formatting of the persistence report provided by the IESO. Please copy and paste the program information by initiative in Columns B to H and the corresponding demand and energy savings data by initiative in Columns L to BT of this work form.

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NOTE: The Net Verified Peak Demand Savings table and Net Verified Energy Savings table below are in the reverse order to the accompanying tables in Tab 4 and Tab 5. The tables below match those provided by the IESO.

Table 7. 2011-2020 Verified Program Results and Persistence into Future Years

Step #1						*#3*	*#2*	*#4*													
Portfoli	Program	Initiative	LDC	Sector	Conservation Resource	(Implementation) Year	Identify Source of Report	Identify Status of Savings	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
		Save on Energy Coupon Program	Hydro One Brampton			2016	2016 Results Persistence	Current year savings	11,775,897	11,775,897	11,712,514	10,176,202	10,176,202	4,443,919	0	0	0	0	0	0	0	0
		Save on Energy Heating & Cooling Program							2,954,935	2,954,935	2,954,935	2,954,935	2,954,935	2,954,935	2,954,935	2,852,221	0	0	0	0	0	0
		Save on Energy New Construction Program							520,650	520,650	520,650	520,650	324,148	110,571	11,446	11,197	11,197	0	0	0	0	0
		Save on Energy Home Assistance Program							0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Save on Energy Audit Funding Program							0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Save on Energy Retrofit Program							13,981,079	3,756,838	3,756,838	531,115	12,278	12,278	12,278	12,278	12,278	0	0	0	0	0
		Save on Energy Small Business Lighting Program							18,712	11,802	11,802	9,849	9,849	9,849	9,849	8,287	7,788	7,788	7,788	1,216	1,216	1,216
		Save on Energy High Performance New Construction Program							4,477,229	4,477,229	4,477,229	4,477,229	4,464,868	4,457,935	2,884,334	2,075,597	2,075,597	2,075,597	2,075,597	2,075,597	2,075,597	2,075,597
		Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program							2,718	2,718	2,718	1,952	1,952	1,952	1,952	0	0	0	0	0	0	0
		Solar Powered Attic Ventilation Pilot Program							0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Truckload Event Pilot Program							1,215,835	1,215,835	1,082,560	1,082,560	492,332	492,332	0	0	0	0	0	0	0	0

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NOTE: The Net Verified Peak Demand Savings table and Net Verified Energy Savings table below are in the reverse order to the accompanying tables in Tab 4 and Tab 5. The tables below match those provided by the IESO.

Table 7. 2011-2020 Verified Program Results and Persistence into Future Years

Step #1						#3	#2	#4											
Portfoli	Program	Initiative	LDC	Sector	Conservation Resource	(Implementation) Year	Identify Source of Report	Identify Status of Savings	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
		Save on Energy Coupon Program	Hydro One Brampton			2016	2016 Results Persistence	Current year savings	11,980,096	11,980,096	11,980,096	11,980,096	11,980,096	11,980,096	11,980,096	11,978,328	11,978,328	11,927,319	11,782,871
		Save on Energy Heating & Cooling Program							2,954,935	2,954,935	2,954,935	2,954,935	2,954,935	2,954,935	2,954,935	2,954,935	2,954,935	2,954,935	2,954,935
		Save on Energy New Construction Program							526,284	526,284	526,284	526,284	526,284	526,284	526,284	526,284	526,284	526,284	520,650
		Save on Energy Home Assistance Program							0	0	0	0	0	0	0	0	0	0	0
		Save on Energy Audit Funding Program							65,713	65,713	65,713	65,713	65,713	65,713	65,713	65,713	65,713	65,713	16,224
		Save on Energy Retrofit Program							20,646,284	20,148,351	20,148,351	20,148,351	20,148,351	19,374,454	19,374,454	19,374,454	18,884,877	18,884,877	18,605,172
		Save on Energy Small Business Lighting Program							114,712	114,712	114,712	114,712	101,470	84,244	80,188	71,219	52,534	35,319	28,155
		Save on Energy High Performance New Construction Program							4,477,229	4,477,229	4,477,229	4,477,229	4,477,229	4,477,229	4,477,229	4,477,229	4,477,229	4,477,229	4,477,229
		Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program							2,718	2,718	2,718	2,718	2,718	2,718	2,718	2,718	2,718	2,718	2,718
		Solar Powered Attic Ventilation Pilot Program							178,029	178,029	178,029	178,029	178,029	178,029	178,029	178,029	178,029	178,029	0
		Truckload Event Pilot Program							1,215,835	1,215,835	1,215,835	1,215,835	1,215,835	1,215,835	1,215,835	1,215,835	1,215,835	1,215,835	1,215,835

Ontario Energy Board

LRAMVA Work Form:
Documentation for Streetlighting Projects

Version 2.0 (2017)

Instructions

Please provide documentation and/or data to substantiate program savings that were not provided in the IESO's verified results reports (i.e., streetlighting projects).

BRZ-Staff-7

RGCRP
Reference 1: Exhibit 3, Tab 1, Schedule 9, Page 2
Reference 2: Exhibit 5, Attachment 26_BRZ excel file

Alectra Utilities notes that the Hydro One Brampton's 2015 COS application approved the RGCRP amounts related to the renewable enabling improvement investments and renewable expansion investments from 2015 to 2019.

Alectra Utilities states that "Alectra Utilities is requesting to collect renewable generation funding of $83,484 in 2020 or $6,957 per month from all provincial ratepayers, as identified in Attachment 26 for the Brampton RZ".

OEB staff confirmed the Appendix FA from the Attachment 26 that Alectra Utilities did not include any new investment in 2020 for the renewable energy. OEB staff notes from the Appendix FB and Appendix-FC that Alectra Utilities did not include the amortization and CCA in calculating the 2020 provincial payment amounts for both renewable generation connection and renewable generation expansion investments.

Questions:

a) Please confirm whether or not OEB staff's observation above is correct.
   i. If confirmed, please explain the reasons of doing so.
   ii. Please update the Appendix 2-FB and Appendix 2-FC if necessary.

Response:

a) Alectra Utilities has updated Appendix 2-FB and Appendix 2-FC in the RGCRP Workform to include the amortization and CCA in calculating the 2020 provincial payment amounts for both renewable generation connection and renewable generation expansion investments. Based on the updated calculation, Alectra Utilities is requesting to collect renewable generation funding of $143,160 in 2020 or $11,930 per month from all provincial rate payers. Alectra Utilities has filed an updated RGCRP Workform as BRZ-Staff-7_Attach 1_RGCRP_BRZ.

BRZ-STAFF-7
ATTACHMENT 1 – RGCRP BRZ

Appendix 2-FA
Renewable Generation Connection Investment Summary (over the rate setting period)

Enter the details of the Renewable Generation Connection projects as described in Section 2.5.2.5 of the Filing Requirements.
All costs entered on this page will be transferred to the appropriate cells in the appendices that follow.

For Part A, Renewable Enabling Improvements (REI), these amounts will be transferred to Appendix 2 - FB

For Part B, Expansions, these amounts will be transferred to Appendix 2 - FC

If there are more than **five** projects proposed to be in-service in a certain year, please amend the tables below and ensure that the formulae for
Based on the current methodology and allocation, amounts allocated represent 6% for REI Connection Investments and 17% for Expansion

Part A

REI Investments (Direct Benefit at 6%)	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**
Project 1						
Name: OPA FIT/MicroFIT Program Management						
Capital Costs						
OM&A (Start-Up)	$0	$0	$0	$0	$0	$0
OM&A (Ongoing)	$117,500	$122,500	$110,000	$110,000	$110,000	$0
Project 2						
Name: Maintenance of Connected REG Infrastructure						
Capital Costs	$0	$0	$0	$0	$0	$0
OM&A (Start-Up)	$0	$0	$0	$0	$0	$0
OM&A (Ongoing)	$70,000	$76,000	$82,000	$88,000	$94,000	$0
Project 3						
Name: Remote Monitoring and Control of REG						
Capital Costs	$180,000	$180,000	$180,000	$180,000	$180,000	$0
OM&A (Start-Up)	$9,000	$9,000	$9,000	$9,000	$9,000	$0
OM&A (Ongoing)						
Project 4						
Name: REI Connection Project						
Capital Costs	$0	$0	$0	$0	$0	$0
OM&A (Start-Up)	$0	$0	$0	$0	$0	$0
OM&A (Ongoing)	$0	$0	$0	$0	$0	$0
Project 5						
Name: REI Connection Project						
Capital Costs	$0	$0	$0	$0	$0	$0
OM&A (Start-Up)	$0	$0	$0	$0	$0	$0
OM&A (Ongoing)	$0	$0	$0	$0	$0	$0
Total Capital Costs	**$ 180,000**	**$ 180,000**	**$ 180,000**	**$ 180,000**	**$ 180,000**	**$ -**
Total OM&A (Start-Up)	**$ 9,000**	**$ 9,000**	**$ 9,000**	**$ 9,000**	**$ 9,000**	**$ -**
Total OM&A (Ongoing)	**$ 187,500**	**$ 198,500**	**$ 192,000**	**$ 198,000**	**$ 204,000**	**$ -**

Appendix 2-FA
Renewable Generation Connection Investment Summary (over the rate setting period)

Enter the details of the Renewable Generation Connection projects as described in Section 2.5.2.5 of the Filing Requirements.
All costs entered on this page will be transferred to the appropriate cells in the appendices that follow.

For Part A, Renewable Enabling Improvements (REI), these amounts will be transferred to Appendix 2 - FB

For Part B, Expansions, these amounts will be transferred to Appendix 2 - FC

If there are more than **five** projects proposed to be in-service in a certain year, please amend the tables below and ensure that the formulae for
Based on the current methodology and allocation, amounts allocated represent 6% for REI Connection Investments and 17% for Expansion

Part B

Expansion Investments (Direct Benefit at 17%)	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**
Project 1						
Name: Transformer Replacement						
Capital Costs	$60,000	$60,000	$60,000	$60,000	$60,000	$0
OM&A (Start-Up)	$6,000	$6,000	$6,000	$6,000	$6,000	$0
OM&A (Ongoing)	$0	$0	$0	$0	$0	$0
Project 2						
Name: Rebuilding Existing Line						
Capital Costs	$38,000	$10,000	$12,000	$14,000	$16,000	$0
OM&A (Start-Up)	$3,800	$1,000	$1,200	$1,400	$1,600	$0
OM&A (Ongoing)	$0	$0	$0	$0	$0	$0
Project 3						
Name: Expansion Connection Project						
Capital Costs	$0	$0	$0	$0	$0	$0
OM&A (Start-Up)	$0	$0	$0	$0	$0	$0
OM&A (Ongoing)	$0	$0	$0	$0	$0	$0
Project 4						
Name: Expansion Connection Project						
Capital Costs	$0	$0	$0	$0	$0	$0
OM&A (Start-Up)	$0	$0	$0	$0	$0	$0
OM&A (Ongoing)	$0	$0	$0	$0	$0	$0
Project 5						
Name: Expansion Connection Project						
Capital Costs	$0	$0	$0	$0	$0	$0
OM&A (Start-Up)	$0	$0	$0	$0	$0	$0
OM&A (Ongoing)	$0	$0	$0	$0	$0	$0
Total Capital Costs	**$ 98,000**	**$ 70,000**	**$ 72,000**	**$ 74,000**	**$ 76,000**	**$ -**
Total OM&A (Start-Up)	**$ 9,800**	**$ 7,000**	**$ 7,200**	**$ 7,400**	**$ 7,600**	**$ -**
Total OM&A (Ongoing)	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Appendix 2-FB
Calculation of Renewable Generation Connection Direct Benefits/Provincial Amount: Renewable

This table will calculate the distributor/provincial shares of the investments entered in Part A of Appendix 2-FA.
Enter values in green shaded cells: WCA percentage, debt percentages, interest rates, kWh, tax rates, amortization period, CCA Class and percentag
Rate Riders are not calculated for Test Year as these assets and costs are already in the distributor's rate base/revenue requirement.

		2015Test Year			2016			2017			2018			2019			2020		
			Direct Benefit	Provincial		Direct Benefit	Provincial		Direct Benefit	Provincial		Direct Benefit	Provincial		Direct Benefit	Provincial		Direct Benefit	Provincial
		Total	6%	94%	Total	6%	94%	Total	6%	94%	Total	6%	94%	Total	6%	94%	Total	6%	94%
Net Fixed Assets (average)		$ 87,000	$ 5,220	$ 81,780	$ 255,000	$ 15,300	$ 239,700	$ 411,000	$ 24,660	$ 386,340	$ 555,000	$ 33,300	$ 521,700	$ 687,000	$ 41,220	$ 645,780	$ 720,000	$ 43,200	$ 676,800
Incremental OM&A (on-going, N/A for Provincial Recovery)		$187,500	$ 187,500		$198,500	$ 198,500		$192,000	$ 192,000		$198,000	$ 198,000		$204,000	$ 204,000		$0	$ -	
Incremental OM&A (start-up, applicable for Provincial Recovery)		$9,000	$ 540	$ 8,460	$9,000	$ 540	$ 8,460	$9,000	$ 540	$ 8,460	$9,000	$ 540	$ 8,460	$9,000	$ 540	$ 8,460	$0	$ -	$ -
WCA	13%		$ 24,445	$ 1,100		$ 25,875	$ 1,100		$ 25,030	$ 1,100		$ 25,810	$ 1,100		$ 26,590	$ 1,100		$ -	$ -
Rate Base			$ 29,665	$ 82,880		$ 41,175	$ 240,800		$ 49,690	$ 387,440		$ 59,110	$ 522,800		$ 67,810	$ 646,880		$ 43,200	$ 676,800
	1740																		
Deemed ST Debt	4%		$ 1,187	$ 3,315		$ 1,647	$ 9,632		$ 1,988	$ 15,498		$ 2,364	$ 20,912		$ 2,712	$ 25,875		$ 1,728	$ 27,072
Deemed LT Debt	56%		$ 16,613	$ 46,413		$ 23,058	$ 134,848		$ 27,827	$ 216,966		$ 33,102	$ 292,768		$ 37,974	$ 362,253		$ 24,192	$ 379,008
Deemed Equity	40%		$ 11,866	$ 33,152		$ 16,470	$ 96,320		$ 19,876	$ 154,976		$ 23,644	$ 209,120		$ 27,124	$ 258,752		$ 17,280	$ 270,720
ST Interest	2.16%		$ 26	$ 72		$ 36	$ 208		$ 43	$ 335		$ 51	$ 452		$ 59	$ 559		$ 37	$ 585
LT Interest	6.07%		$ 1,009	$ 2,819		$ 1,400	$ 8,189		$ 1,690	$ 13,176		$ 2,010	$ 17,779		$ 2,306	$ 21,999		$ 1,469	$ 23,017
ROE	9.30%		$ 1,104	$ 3,083		$ 1,532	$ 8,958		$ 1,848	$ 14,413		$ 2,199	$ 19,448		$ 2,523	$ 24,064		$ 1,607	$ 25,177
Cost of Capital Total			$ 2,138	$ 5,973		$ 2,968	$ 17,355		$ 3,581	$ 27,924		$ 4,260	$ 37,679		$ 4,887	$ 46,622		$ 3,114	$ 48,778
OM&A			$ 188,040	$ 8,460		$ 199,040	$ 8,460		$ 192,540	$ 8,460		$ 198,540	$ 8,460		$ 204,540	$ 8,460		$ -	$ -
Amortization		$ 6,000	$ 360	$ 5,640	$ 18,000	$ 1,080	$ 16,920	$ 30,000	$ 1,800	$ 28,200	$ 42,000	$ 2,520	$ 39,480	$ 54,000	$ 3,240	$ 50,760	$ 60,000	$ 3,600	$ 56,400
Grossed-up PILs			$ 372	$ 705		$ 487	$ 2,205		$ 586	$ 3,928		$ 718	$ 5,845		$ 862	$ 7,928		$ 603	$ 9,447
Revenue Requirement			$ 190,910	$ 20,778		$ 203,574	$ 44,940		$ 198,507	$ 68,512		$ 206,039	$ 91,464		$ 213,529	$ 113,770		$ 7,316	$ 114,625
Provincial Rate Protection				$ 20,778			$ 44,940			$ 68,512			$ 91,464			$ 113,770			$ 114,625
Monthly Amount Paid by IESO				$ 1,732			$ 3,745			$ 5,709			$ 7,622			$ 9,481			$ 9,552

Note 1: The difference between the actual costs of approved eligible investments and revenue received from the IESO should be recorded in a variance account. The Board regulatory accounting guidance regarding a variance account either in an individual proceeding or on a generic basis.
Note 2: For the 2014 Test Year, Costs and Revenues of the Direct Benefit are to be included in the test year applicant Rate Base and Revenues.

PILs Calculation

Income Tax	2015		2016		2017		Total	2018		Total	2019		Total	2020	
	Direct Benefit	Provincial	Direct Benefit	Provincial	Direct Benefit	Provincial		Direct Benefit	Provincial		Direct Benefit	Provincial		Direct Benefit	Provincial
Net Income - ROE on Rate Base	$ 1,104	$ 3,083	$ 1,532	$ 8,958	$ 1,848	$ 14,413		$ 2,199	$ 19,448		$ 2,523	$ 24,064		$ 1,607	$ 25,177
Amortization (6% DB and 94% P)	$ 360	$ 5,640	$ 1,080	$ 16,920	$ 1,800	$ 28,200		$ 2,520	$ 39,480		$ 3,240	$ 50,760		$ 3,600	$ 56,400
CCA (6% DB and 94% P)	-$ 432	-$ 6,768	-$ 1,261	-$ 19,763	-$ 2,025	-$ 31,718		-$ 2,727	-$ 42,716		-$ 3,372	-$ 52,835		-$ 3,535	-$ 55,376
Taxable income	$ 1,032	$ 1,955	$ 1,350	$ 6,115	$ 1,624	$ 10,895		$ 1,992	$ 16,212		$ 2,390	$ 21,989		$ 1,672	$ 26,201
Tax Rate (to be entered)	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%		26.50%	26.50%		26.50%	26.50%		26.50%	26.50%
Income Taxes Payable	$ 273.36	$ 518.11	$ 357.82	$ 1,620.53	$ 430.35	$ 2,887.23		$ 527.97	$ 4,296.18		$ 633.38	$ 5,827.10		$ 443.19	$ 6,943.24
Gross Up															
Income Taxes Payable	$ 371.92	$ 704.91	$ 486.83	$ 2,204.80	$ 585.51	$ 3,928.20		$ 718.33	$ 5,845.14		$ 861.74	$ 7,928.03		$ 602.97	$ 9,446.58
Grossed Up PILs	**$ 372**	**$ 705**	**$ 487**	**$ 2,205**	**$ 586**	**$ 3,928**		**$ 718**	**$ 5,845**		**$ 862**	**$ 7,928**		**$ 603**	**$ 9,447**

Appendix 2-FB
Calculation of Renewable Generation Connection Direct Benefits/Provincial Amount: Renewable

		2015	2016	2017	2018	2019	2020
Net Fixed Assets		$ 3,600					
Enter applicable amortization in years:	15						
Opening Gross Fixed Assets			$ 180,000	$ 360,000	$ 540,000	$ 720,000	$ 900,000
Gross Capital Additions		$ 180,000	$ 180,000	$ 180,000	$ 180,000	$ 180,000	$ -
Closing Gross Fixed Assets		$ 180,000	$ 360,000	$ 540,000	$ 720,000	$ 900,000	$ 900,000
Opening Accumulated Amortization			$ 6,000	$ 24,000	$ 54,000	$ 96,000	$ 150,000
Current Year Amortization (before additions)			$ 12,000	$ 24,000	$ 36,000	$ 48,000	$ 60,000
Additions (half year)		$ 6,000	$ 6,000	$ 6,000	$ 6,000	$ 6,000	$ -
Closing Accumulated Amortization		$ 6,000	$ 24,000	$ 54,000	$ 96,000	$ 150,000	$ 210,000
Opening Net Fixed Assets		$ -	$ 174,000	$ 336,000	$ 486,000	$ 624,000	$ 750,000
Closing Net Fixed Assets		$ 174,000	$ 336,000	$ 486,000	$ 624,000	$ 750,000	$ 690,000
Average Net Fixed Assets		$ 87,000	$ 255,000	$ 411,000	$ 555,000	$ 687,000	$ 720,000

UCC for PILs Calculation

		2015	2016	2017	2018	2019	2020
Opening UCC			$ 172,800	$ 331,776	$ 478,034	$ 612,591	$ 736,384
Capital Additions (from Appendix 2-FA)		$ 180,000	$ 180,000	$ 180,000	$ 180,000	$ 180,000	$ -
UCC Before Half Year Rule		$ 180,000	$ 352,800	$ 511,776	$ 658,034	$ 792,591	$ 736,384
Half Year Rule (1/2 Additions - Disposals)		$ 90,000	$ 90,000	$ 90,000	$ 90,000	$ 90,000	$ -
Reduced UCC		$ 90,000	$ 262,800	$ 421,776	$ 568,034	$ 702,591	$ 736,384
CCA Rate Class (to be entered)	47	47	47	47	47	47	47
CCA Rate (to be entered)	8%	8%	8%	8%	8%	8%	8%
CCA		$ 7,200	$ 21,024	$ 33,742	$ 45,443	$ 56,207	$ 58,911
Closing UCC		$ 172,800	$ 331,776	$ 478,034	$ 612,591	$ 736,384	$ 677,473

Appendix 2-FC
Calculation of Renewable Generation Connection Direct Benefits/Provincial Amount: Renewable Expansion Investments

This table will calculate the distributor/provincial shares of the investments entered in Part B of Appendix 2-FA.

Enter values in green shaded cells: WCA percentage, debt percentages, interest rates, kWh, tax rates, amortization period, CCA Class and percentage.

Rate Riders are not calculated for Test Year as these assets and costs are already in the distributors rate base.

		2015 Test Year			2016			2017			2018			2019			2020		
			Direct Benefit	Provincial		Direct Benefit	Provincial		Direct Benefit	Provincial		Direct Benefit	Provincial		Direct Benefit	Provincial		Direct Benefit	Provincial
		Total	17%	83%	Total	17%	83%	Total	17%	83%	Total	17%	83%	Total	17%	83%	Total	17%	83%
Net Fixed Assets (average)		$ 48,417	$ 8,231	$ 40,186	$ 130,250	$ 22,143	$ 108,108	$ 197,238	$ 33,530	$ 163,708	$ 264,512	$ 44,967	$ 219,545	$ 332,024	$ 56,444	$ 275,580	$ 361,190	$ 61,402	$ 299,788
Incremental OM&A (on-going, N/A for Provincial Recovery)		$0	$ -		$0	$ -		$0	$ -		$0	$ -		$0	$ -		$0	$ -	
Incremental OM&A (start-up, applicable for Provincial Recovery)		$9,800	$ 1,666	$ 8,134	$7,000	$ 1,190	$ 5,810	$7,200	$ 1,224	$ 5,976	$7,400	$ 1,258	$ 6,142	$7,600	$ 1,292	$ 6,308	$0	$ -	$ -
WCA	13%		$ 217	$ 1,057		$ 155	$ 755		$ 159	$ 777		$ 164	$ 798		$ 168	$ 820		$ -	$ -
Rate Base			$ 8,447	$ 41,243		$ 22,297	$ 108,863		$ 33,690	$ 164,484		$ 45,131	$ 220,343		$ 56,612	$ 276,400		$ 61,402	$ 299,788
Deemed ST Debt	4%		$ 338	$ 1,650		$ 892	$ 4,355		$ 1,348	$ 6,579		$ 1,805	$ 8,814		$ 2,264	$ 11,056		$ 2,456	$ 11,992
Deemed LT Debt	56%		$ 4,731	$ 23,096		$ 12,486	$ 60,963		$ 18,866	$ 92,111		$ 25,273	$ 123,392		$ 31,703	$ 154,784		$ 34,385	$ 167,881
Deemed Equity	40%		$ 3,379	$ 16,497		$ 8,919	$ 43,545		$ 13,476	$ 65,794		$ 18,052	$ 88,137		$ 22,645	$ 110,560		$ 24,561	$ 119,915
ST Interest	2.16%		$ 7	$ 36		$ 19	$ 94		$ 29	$ 142		$ 39	$ 190		$ 49	$ 239		$ 53	$ 259
LT Interest	6.07%		$ 287	$ 1,403		$ 758	$ 3,702		$ 1,146	$ 5,594		$ 1,535	$ 7,493		$ 1,925	$ 9,400		$ 2,088	$ 10,195
ROE	9.30%		$ 314	$ 1,534		$ 829	$ 4,050		$ 1,253	$ 6,119		$ 1,679	$ 8,197		$ 2,106	$ 10,282		$ 2,284	$ 11,152
Cost of Capital Total			$ 609	$ 2,972		$ 1,607	$ 7,846		$ 2,428	$ 11,855		$ 3,253	$ 15,881		$ 4,080	$ 19,921		$ 4,425	$ 21,606
OM&A			$ 1,666	$ 8,134		$ 1,190	$ 5,810		$ 1,224	$ 5,976		$ 1,258	$ 6,142		$ 1,292	$ 6,308		$ -	$ -
Amortization		$ 1,167	$ 198	$ 968	$ 3,167	$ 538	$ 2,628	$ 4,857	$ 826	$ 4,031	$ 6,595	$ 1,121	$ 5,474	$ 8,381	$ 1,425	$ 6,956	$ 9,286	$ 1,579	$ 7,707
Grossed-up PILs			-$ 55	-$ 271		-$ 140	-$ 682		-$ 181	-$ 883		-$ 204	-$ 998		-$ 212	-$ 1,033		-$ 159	-$ 779
Revenue Requirement			$ 2,418	$ 11,804		$ 3,196	$ 15,602		$ 4,297	$ 20,979		$ 5,427	$ 26,499		$ 6,585	$ 32,152		$ 5,845	$ 28,535
Provincial Rate Protection				$ 11,804			$ 15,602			$ 20,979			$ 26,499			$ 32,152			$ 28,535
Monthly Amount Paid by IESO				$ 984			$ 1,300			$ 1,748			$ 2,208			$ 2,679			$ 2,378

Note 1: The difference between the actual costs of approved eligible investments and revenue received from the IESO should be recorded in a variance account. The Board may provide regulatory accounting guidance regarding a variance account either in an individual proceeding or on a generic basis.
Note 2: For the 2014 Test Year, Costs and Revenues of the Direct Benefit are to be included in the test year applicant Rate Base and Revenues.

PILs Calculation

	2015		2016		2017			2018			2019			2020	
Income Tax	Direct Benefit	Provincial	Direct Benefit	Provincial	Direct Benefit	Provincial	Total	Direct Benefit	Provincial	Total	Direct Benefit	Provincial	Total	Direct Benefit	Provincial
Net Income - ROE on Rate Base	$ 314	$ 1,534	$ 829	$ 4,050	$ 1,253	$ 6,119		$ 1,679	$ 8,197		$ 2,106	$ 10,282		$ 2,284	$ 11,152
Amortization (17% DB and 83% P)	$ 198	$ 968	$ 538	$ 2,628	$ 826	$ 4,031		$ 1,121	$ 5,474		$ 1,425	$ 6,956		$ 1,579	$ 7,707
CCA (17% DB and 83% P)	-$ 666	-$ 3,254	-$ 1,755	-$ 8,571	-$ 2,581	-$ 12,600		-$ 3,367	-$ 16,439		-$ 4,118	-$ 20,104		-$ 4,305	-$ 21,019
Taxable income	-$ 154	-$ 751	-$ 388	-$ 1,893	-$ 502	-$ 2,449		-$ 567	-$ 2,768		-$ 587	-$ 2,865		-$ 442	-$ 2,159
Tax Rate (to be entered)	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%		26.50%	26.50%		26.50%	26.50%		26.50%	26.50%
Income Taxes Payable	-$ 40.76	-$ 199.02	-$ 102.74	-$ 501.61	-$ 132.95	-$ 649.09		-$ 150.24	-$ 733.53		-$ 155.53	-$ 759.36		-$ 117.21	-$ 572.24
Gross Up															
Income Taxes Payable	-$ 55.46	-$ 270.78	-$ 139.78	-$ 682.47	-$ 180.88	-$ 883.11		-$ 204.41	-$ 998.00		-$ 211.61	-$ 1,033.14		-$ 159.46	-$ 778.56
Grossed Up PILs	**-$ 55**	**-$ 271**	**-$ 140**	**-$ 682**	**-$ 181**	**-$ 883**		**-$ 204**	**-$ 998**		**-$ 212**	**-$ 1,033**		**-$ 159**	**-$ 779**

Appendix 2-FC

Calculation of Renewable Generation Connection Direct Benefits/Provincial Amount: Renewable Expansion Investments

Net Fixed Assets

		2015	2016	2017	2018	2019	2020
Enter applicable amortization in years:	42						
Opening Gross Fixed Assets			$ 98,000	$ 168,000	$ 240,000	$ 314,000	$ 390,000
Gross Capital Additions		$ 98,000	$ 70,000	$ 72,000	$ 74,000	$ 76,000	$ -
Closing Gross Fixed Assets		$ 98,000	$ 168,000	$ 240,000	$ 314,000	$ 390,000	$ 390,000
Opening Accumulated Amortization			$ 1,167	$ 4,333	$ 9,190	$ 15,786	$ 24,167
Current Year Amortization (before additions)			$ 2,333	$ 4,000	$ 5,714	$ 7,476	$ 9,286
Additions (half year)		$ 1,167	$ 833	$ 857	$ 881	$ 905	$ -
Closing Accumulated Amortization		$ 1,167	$ 4,333	$ 9,190	$ 15,786	$ 24,167	$ 33,452
Opening Net Fixed Assets		$ -	$ 96,833	$ 163,667	$ 230,810	$ 298,214	$ 365,833
Closing Net Fixed Assets		$ 96,833	$ 163,667	$ 230,810	$ 298,214	$ 365,833	$ 356,548
Average Net Fixed Assets		$ 48,417	$ 130,250	$ 197,238	$ 264,512	$ 332,024	$ 361,190

UCC for PILs Calculation

		2015	2016	2017	2018	2019	2020
Opening UCC			$ 94,080	$ 153,754	$ 210,573	$ 264,767	$ 316,546
Capital Additions (from Appendix 2-FA)		$ 98,000	$ 70,000	$ 72,000	$ 74,000	$ 76,000	$ -
UCC Before Half Year Rule		$ 98,000	$ 164,080	$ 225,754	$ 284,573	$ 340,767	$ 316,546
Half Year Rule (1/2 Additions - Disposals)		$ 49,000	$ 35,000	$ 36,000	$ 37,000	$ 38,000	$ -
Reduced UCC		$ 49,000	$ 129,080	$ 189,754	$ 247,573	$ 302,767	$ 316,546
CCA Rate Class (to be entered)	47	47	47	47	47	47	47
CCA Rate (to be entered)	8%	8%	8%	8%	8%	8%	8%
CCA		$ 3,920	$ 10,326	$ 15,180	$ 19,806	$ 24,221	$ 25,324
Closing UCC		$ 94,080	$ 153,754	$ 210,573	$ 264,767	$ 316,546	$ 291,222

PRZ-Staff-1

RTSRs – Historical Wholesale - 2018 Billing Data
Reference: Exhibit 5, Attachment 14 IRM Model for the PRZ, Tab 13

In the Hydro One Sub-transmission table on Tab 13 of the IRM model, the line connection rate (column I) and transformation connection rate (column M) are calculated based on the "Units Billed" and "Amount" data that Alectra Utilities entered in the table. The line connection rate and transformation connection rate do not match the Hydro One Sub-transmission rates approved for 2018.

Questions:

a) Please double check the billing data entered in "Units Billed" and "Amount" columns. If data has been entered correctly, please provide explanation for the discrepancy in rates. Alternatively, if data has not been entered correctly, please update the rate generator model accordingly.

Response:

a) The billing data entered in "Units Billed" and "Amount" columns for the line connection and transformation connection were input incorrectly in the Hydro One Sub-transmission table on Tab 13 of the IRM model. This data has been revised in the rate generator model for the PowerStream RZ filed in response to G-Staff-1.

PRZ-Staff-2

Reference: PRZ - 2018 GA Analysis Workform
Reference: PRZ – 2017 GA Analysis Workform (EB-2018-0016)

The calculated loss factor for the PRZ in the 2018 GA Analysis Workform (Cell F59/Cell D26) is approximately 1.061. The calculated loss factor from the 2017 GA Analysis Workform for PRZ, filed on September 17, 2018 in EB-2018-0016, is approximately 1.036. Alectra Utilities' PRZ OEB-approved total loss factor is 1.0369 (for secondary metered customers < 5,000 kW, which should constitute the majority of the GA consumption billed).

Questions:

a) Please explain why the 2018 GA Analysis Workform shows such a significant increase in calculated system losses.

b) Please review the consumption data in Note 2 of the 2018 GA Analysis Workform, as well as the consumption data in Note 4, and confirm no adjustments are required. Alternatively, if there is an error in the consumption data that is producing a significantly large calculated loss factor, please update the Workform accordingly.

Response:

a) The 2018 GA Analysis Workform shows an increase in calculated system losses as a result of a reporting issue in the consumption data for the Enersource and PowerStream rate zones, which has since been corrected.

b) The GA Workform has been updated with the corrected consumption data, and is filed as PRZ-Staff-2_Attach 1_GA Workform PRZ.

PRZ-STAFF-2
ATTACHMENT 1 – GA WORKFORM PRZ

Ontario Energy Board

GA Analysis Workform

Account 1589 Global Adjustment (GA) Analysis Workform

Input cells
Drop down cells

Note 1 **Year(s) Requested for Disposition** 2018

Note 2 **Consumption Data Excluding for Loss Factor (Data to agree with RRR as applicable)**

Year		2018		
Total Metered excluding WMP	C = A+B	8,599,109,193	kWh	100%
RPP	A	3,964,853,442	kWh	46.1%
Non RPP	B = D+E	4,634,255,751	kWh	53.9%
Non-RPP Class A	D	1,319,694,254	kWh	15.3%
Non-RPP Class B*	E	3,314,561,497	kWh	38.5%

*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

Note 3 **GA Billing Rate**

GA is billed on the 1st Estimate

GA Billing Rate Description

PowerStream RZ bills customers based on the GA first estimate, and the IESO charges GA based on actual GA rates. PowerStream RZ applies GA first estimate on all billing and unbilled revenue transactions for non-RPP Class B customers in each customer class.

Note 4 **Analysis of Expected GA Amount**

Year 2018

Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed ($/kWh)	$ Consumption at GA Rate Billed	GA Actual Rate Paid ($/kWh)	$ Consumption at Actual Rate Paid	Expected GA Variance ($)
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K
January	313,437,113	305,585,562	301,525,077	309,376,628	0.08777	$ 27,153,987	0.06736	$ 20,839,610	-$ 6,314,377
February	281,720,352	301,525,077	282,345,862	262,541,138	0.07333	$ 19,252,142	0.08167	$ 21,441,735	$ 2,189,593
March	296,113,178	282,345,862	277,963,048	291,730,363	0.07877	$ 22,979,601	0.09481	$ 27,658,956	$ 4,679,355
April	277,552,922	277,963,048	273,136,406	272,726,280	0.09810	$ 26,754,448	0.09959	$ 27,160,810	$ 406,362
May	284,727,695	273,136,406	277,452,459	289,043,748	0.09392	$ 27,146,989	0.10793	$ 31,196,492	$ 4,049,503
June	232,702,342	277,452,459	337,696,737	292,946,620	0.13336	$ 39,067,361	0.11896	$ 34,848,930	-$ 4,218,431
July	333,129,385	337,696,737	310,480,193	305,912,841	0.08502	$ 26,008,710	0.07737	$ 23,668,477	-$ 2,340,233
August	328,840,079	310,480,193	285,455,517	303,815,403	0.07790	$ 23,667,220	0.07490	$ 22,755,774	-$ 911,446
September	280,106,280	285,455,517	284,828,350	279,479,112	0.08424	$ 23,543,320	0.08584	$ 23,990,487	$ 447,167
October	297,546,596	284,828,350	257,945,820	270,664,066	0.08921	$ 24,145,941	0.12059	$ 32,639,380	$ 8,493,438
November	240,469,979	257,945,820	301,630,997	284,155,157	0.12235	$ 34,766,383	0.09855	$ 28,003,491	-$ 6,762,893
December	279,028,919	301,630,997	297,139,262	274,537,183	0.09198	$ 25,251,930	0.07404	$ 20,326,733	-$ 4,925,197
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	**3,445,374,839**	**3,496,046,028**	**3,487,599,728**	**3,436,928,539**		**$ 319,738,032**		**$ 314,530,873**	**-$ 5,207,159**
		Calculated Loss Factor		**1.0369**					

Note 5 **Reconciling Items**

	Item	Applicability of Reconciling Item (Y/N)	Amount (Quantify if it is a significant reconciling item)	Explanation
Net Change in Principal Balance in the GL (i.e. Transactions in the Year)			**-$ 1,475,817**	
1a	Remove impacts to GA from prior year RPP Settlement true up process that are booked in current year			
1b	Add impacts to GA from current year RPP Settlement true up process that are booked in subsequent year	Y	-$ 5,344,287	$5,344k transferred to GL1588 for RPP Settlement relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year.
2a	Remove prior year end unbilled to actual revenue differences	Y	-$ 4,539,888	DR $4,540k over accrual related to prior year but included in the GL in the current year, therefore, should record CR in current year
2b	Add current year end unbilled to actual revenue differences	Y	$ 3,051,573	$3,052k over accrual relates to current year but recorded in the GL in the following year, therefore, should record the DR in current year.
3a	Remove difference between prior year accrual to forecast from long term load transfers			
3b	Add difference between current year accrual to forecast from long term load transfers			
4	Remove GA balances pertaining to Class A customers			
5	Significant prior period billing adjustments included in current year GL balance but would not be included in the billing consumption used in the GA Analysis			
6	Differences in GA IESO posted rate and rate charged on IESO invoice			
7				
8				
9				
10				

Note 6

Adjusted Net Change in Principal Balance in the GL	-$ 8,308,419
Net Change in Expected GA Balance in the Year Per Analysis	-$ 5,207,159
Unresolved Difference	-$ 3,101,260
Unresolved Difference as % of Expected GA Payments to IESO	-0.99%

PRZ-Staff-3

Reference 1: PRZ - 2018 GA Analysis Workform
Reference 2: PRZ – 2017 GA Analysis Workform (EB-2018-0016)
Reference 3: PRZ – EB-2018-0016 IRR PRZ-Staff-50-e

The 2017 GA Analysis Workform from EB-2018-0016 included the following items:

1. **The requirement to separate interval versus non-interval metered billings in order to address the fact that customers in the same class were billed different GA rates.**
2. **No amounts were included in reconciling items 1a and 1b to account for timing differences in RPP settlement.**

In addition, in response to an Interrogatory Question PRZ-Staff-50-e from EB-2018-0016, Alectra Utilities stated:

> **"Alectra Utilities does not record the GA cost related to Class B RPP customers in the GA accounts, therefore, there is no RPP true-up adjustments"**

Questions:

a) Please explain why the 2018 GA Analysis Workform does not require the same separation of interval and non-interval metered consumption as in 2017.

b) Please explain why the 2018 GA Analysis Workform includes a reconciling item 1b to account for RPP Settlement true-ups booked in subsequent years, when the PRZ did not require these adjusting entries in the prior year?

c) In general, what are the key changes between 2017 and 2018 with respect to the GA billing and the RPP Settlement processes in the PRZ?

Response:

a) Alectra Utilities started billing all Class B non-RPP customers (interval and non-interval metered) for Global Adjustment at the first estimate rate effective January 1, 2018 for the PowerStream RZ, consistent with the other Alectra Utilities RZs.

b) The migration of the PowerStream, Enersource and Brampton RZs onto Alectra Utilities' consolidated Customer Information System ("CIS") was completed in 2018. This resulted in

the implementation of a standardized approach with respect to GA billing and RPP Settlements across the rate zones. This standardized approach was implemented in the PowerStream RZ and therefore, consistent with the other Alectra Utilities' RZs, adjustment 1b has been identified in the GA Analysis Workform.

c) As identified in part b) of the response, the migration onto Alectra Utilities' consolidated Customer Information System ("CIS") resulted in the implementation of a standardized approach with respect to GA billing and RPP Settlements.

PRZ-Staff-4

Reference 1: IRM Rate Generator Model PRZ Tab 3 DVA Continuity Schedule
Reference 2: PRZ - 2018 GA Analysis Workform

Questions:

a) A debit amount of $6,867,808 in cell BF28 for Account 1588 in the 2018 Principal Adjustments column of the PRZ DVA Continuity Schedule appears to be comprised of multiple elements. The following formula is used in the cell:

=3601754+(-483297.47+256530.1)*-1+2785676.44+2558610.15

OEB staff identifies the debit amount of $3,601,754 as the reversal of Principal Adjustments from 2017. Please explain, in detail, what the other items represent and how they were calculated (Note: Alectra Utilities may refer to the response for interrogatory PRZ-Staff-50-a from EB-2018-0016 for the detail OEB staff is seeking).

b) A credit amount of $6,832,602 in cell BF29 for Account 1589 in the 2018 Principal Adjustments column of the PRZ DVA continuity schedule appears to be comprised of multiple elements. The following formula is used in the cell:

=-4539888.2 + 3051572.72 - 2785676.44 - 2558610.15

OEB staff identifies the credit amount of $4,539,888 as the reversal of Principal Adjustments from 2017. The debit amount of $3,051,573 has been identified on the GA Analysis Workform as reconciling item 2b (current year end unbilled to actual revenue differences). The other two credit figures $2,785,676 and $2,558,610 appear to sum to reconciling item 1b in the credit amount of $5,344,287 (current year RPP Settlement True-up booked in subsequent year). Please explain, in detail, how the credit amount of $5,344,287 was calculated (Note: Alectra Utilities may refer to the response for interrogatories HRZ-Staff-28-b and BRZ-Staff-41-b from EB-2018-0016 for the detail OEB staff is seeking).

c) The adjustment referred to in part b) above for a credit amount of $5,344,287 is described by Alectra Utilities in the GA Analysis Workform as "DR 5,344k over accrual relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year". The adjustment is described as both a debit and credit entry, however, it is recorded as a credit adjustment. Please confirm whether this adjustment should be a debit or credit entry. If necessary, please update the GA Analysis Workform and DVA continuity schedule.

d) The adjustment referred to in part b) above for a debit amount of $3,051,573 is described by Alectra Utilities in the GA Analysis Workform as "CR $3,052k over accrual relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year". The adjustment is described as a credit entry, however, it is recorded as a debit adjustment. Please confirm whether this adjustment should be a debit or credit entry. If necessary, please update the GA Analysis Workform and DVA continuity schedule.

e) Please provide a table similar to the one provided in interrogatory response ERZ-Staff-76-c to provide the underlying calculation of unbilled revenue difference shown as reconciling item 2b in the PRZ 2018 GA Analysis Workform.

Response:

a) The amount of $6,867,808 in cell BF28 for Account 1588 in the 2018 Principal Adjustments column of Alectra Utilities' Deferral and Variance Account ("DVA") Continuity Schedule for the PowerStream RZ is comprised of the following items:

- a debit amount of $3,601,754, pertaining to the reversal of Principal Adjustments from 2017, as identified by OEB Staff; and
- a debit amount of $3,266,054, pertaining to the subsequent adjustment made during 2019, related to 2018.

Alectra Utilities included a debit adjustment in the amount of $3,266,054 to Account 1588 in the DVA Continuity Schedule for the impact of the RPP settlement true up and RPP Global Adjustment cost true up related to 2018. Table 1 below shows the details of this adjustment. Table 2 below provides the detailed calculation of the RPP settlement true up and Table 3 provides the detailed calculation of the RPP Global Adjustment true up.

Table 1 - PRZ Account 1588 Principal Adjustments related to 2018 made during 2019

Adjustments Related to 2018 Made in 2019	Month	Amount
RPP Settlement True Up	Nov-18	$483,297
RPP Settlement True Up	Dec-18	($2,561,530)
RPP Global Adjustment True Up	Nov-18	$2,785,676
RPP Global Adjustment True Up	Dec-18	$2,558,610
Total		$3,266,054

Table 2 - PRZ RPP True Up Reconciliation

Nov-18 Initial RPP Settlement Calculation					
TOU TIER	**kWh Volumes**	**$ Estimated RPP Revenue**	**$ Estimated RPP Energy**	**$ Estimated GA**	**$ Estimated RPP Settlement**
Tier 1	24,946,071	1,928,599	606,134	2,629,316	1,306,851
Tier 2	28,970,514	2,578,376	703,919	3,053,492	1,179,036
On-peak	39,855,722	5,260,955	968,406	4,200,793	-91,756
Mid-peak	43,126,550	4,053,896	1,047,880	4,545,538	1,539,522
Off-peak	148,618,620	9,660,210	3,611,104	15,664,403	9,615,296
Total	285,517,477	23,482,036	6,937,443	30,093,542	13,548,949

Nov-18 Final RPP Settlement Calculation					
TOU TIER	**kWh Volumes**	**$ Actual RPP Revenue**	**$ Actual RPP Energy**	**$ Actual GA**	**$ Final RPP Settlement**
Tier 1	30,300,938	2,333,206	749,765	2,986,157	1,402,717
Tier 2	27,894,171	2,482,583	721,503	2,748,971	987,891
On-peak	48,361,686	6,383,912	1,269,113	4,766,044	-348,754
Mid-peak	46,501,265	4,371,286	1,216,122	4,582,700	1,427,536
Off-peak	160,730,965	10,447,659	4,203,885	15,840,037	9,596,262
Total	313,789,026	26,018,645	8,160,389	**30,923,908**	13,065,652

Nov-18 RPP Settlement True Up					
TOU TIER	**kWh Volumes**	**$ True-Up RPP Revenue**	**$ True-up RPP Energy**	**$ True-up GA**	**$ RPP Settlement True-UP**
Tier 1	5,354,867	404,607	143,631	356,842	95,866
Tier 2	-1,076,342	-95,793	17,584	-304,522	-191,145
On-peak	8,505,964	1,122,956	300,707	565,251	-256,998
Mid-peak	3,374,715	317,390	168,243	37,161	-111,986
Off-peak	12,112,345	787,449	592,781	175,634	-19,034
Total	28,271,549	2,536,609	1,222,945	830,366	**-483,297**

Dec-18 Initial RPP Settlement Calculation					
TOU TIER	**kWh Volumes**	**$ Estimated RPP Revenue**	**$ Estimated RPP Energy**	**$ Estimated GA**	**$ Estimated RPP Settlement**
Tier 1	25,160,257	1,945,091	662,479	1,778,075	495,463
Tier 2	30,100,387	2,678,934	792,555	2,127,194	240,815
On-peak	51,540,234	6,803,311	1,357,074	3,642,348	-1,803,888
Mid-peak	47,458,421	4,461,092	1,249,599	3,353,887	142,394
Off-peak	156,024,092	10,141,566	4,108,175	11,026,223	4,992,832
Total	310,283,390	26,029,994	8,169,882	21,927,727	4,067,616

Dec-18 Final RPP Settlement Calculation					
TOU TIER	**kWh Volumes**	**$ Actual RPP Revenue**	**$ Actual RPP Energy**	**$ Actual GA**	**$ Final RPP Settlement**
Tier 1	31,642,326	2,436,448	831,417	2,342,798	737,767
Tier 2	29,813,926	2,653,439	804,172	2,207,423	358,156
On-peak	48,940,333	6,460,186	1,331,943	3,623,542	-1,504,701
Mid-peak	46,949,053	4,413,276	1,276,166	3,476,108	338,998
Off-peak	186,114,234	12,097,458	5,016,486	13,779,898	6,698,926
Total	343,459,871	28,060,807	9,260,183	**25,429,769**	6,629,146

Dec-18 RPP Settlement True Up					
TOU TIER	**kWh Volumes**	**$ True-Up RPP Revenue**	**$ True-up RPP Energy**	**$ True-up GA**	**$ RPP Settlement True-UP**
Tier 1	6,482,069	491,357	168,938	564,722	242,304
Tier 2	-286,461	-25,496	11,617	80,229	117,341
On-peak	-2,599,901	-343,125	-25,132	-18,806	299,187
Mid-peak	-509,367	-47,815	26,568	122,221	196,604
Off-peak	30,090,141	1,955,892	908,311	2,753,675	1,706,094
Total	33,176,481	2,030,812	1,090,301	3,502,042	**2,561,530**

Table 3 - PRZ RPP Global Adjustment True Up

Month	Class B GA $	RPP %	Amount in GL	Actual Amount (see Table 2)	True Up Amount
Nov-18	$58,928,414	48%	28,138,232	30,923,908	2,785,676
Dec-18	$45,552,902	50%	22,871,159	25,429,769	2,558,610
					5,344,287

b) Please see Alectra Utilities' response to part a), which includes the details on the calculation of the credit amount of $5,344,287.

c) The credit amount of $5,344,287 referred to in part b) is a credit adjustment. Alectra Utilities has updated the description for this item in the updated GA Analysis Workform for the PowerStream RZ filed in response to PRZ-Staff-2.

d) The debit amount of $3,051,573 referred to in part b) is a debit adjustment. Alectra Utilities has updated the description for this item in the updated GA Analysis Workform for the PowerStream RZ filed in response to PRZ-Staff-2.

e) The calculation of the unbilled revenue difference shown as reconciling item 2b in the PRZ 2018 GA Analysis Workform is shown in Table 4 below.

Table 4 - Detail Calculation for Unbilled Revenue difference - Reconciling Item 2b

	2018
Actual December GA Consumption (kWhs)	274,537,183
Accrued December GA Consumption (kWhs)	307,713,664
Under / (Over) Accrued Consumption	(33,176,481)
GA 1st Estimate Rate (December)	0.09198
Unbilled difference 1st Estimate Rate (December) ($)	($3,051,573)

PRZ-Staff-5

LRAMVA - Threshold
Reference 1: Exhibit 3, Tab 1, Schedule 10, pp. 10-11 (Table 100)
Reference 2: Exhibit 5, Attachment 32 LRAMVA WorkForm PRZ_20190528 (Tab 2)
Reference 3: EB-2015-0003, IRR, Section B, Tab 3, Schedule 7, III-VECC-25 a) and c), pp. 20 and 21 of 27
Reference 4: EB-2015-0003, Supplementary, Exhibit H, Tab 2, p. 2 of 4 (Appendix 2-I, Table 23)
Reference 5: EB-2015-0003, Rate Proposal, Exhibit H, Tab 1, p. 13 of 15 (Table 14)

In Exhibit H, Appendix 2-I of Powerstream's 2016-2020 Custom IR application, it appears that a CDM adjustment of 157,709,956 kWh was embedded in the 2017 load forecast. The allocation of 157,709,956 kWh to the rate classes was further provided in Powerstream's response to III-VECC-25 a) of the Custom IR proceeding. However, the rate class allocation of the LRAMVA threshold is not consistent with the rate class allocation used in Tab 2 of the LRAMVA workform.

LRAMVA Threshold in 2017

LRAMVA Threshold Reference	Residential	GS<50 kW	GS>50 kW
EB-2015-0003, response to III-VECC-25 a)	32,226,368 kWh	26,548,154 kWh	98,935,434 kWh
Tab 2 of LRAMVA workform (also Table 100 of application)	48,703,932 kWh	32,279,911 kWh	321,969 kW

Questions:

a) Please provide the precise reference for the rate class allocation of the LRAMVA threshold included in Tab 2 of the LRAMVA workform.

b) Please confirm whether there was explicit approval of an LRAMVA threshold to be used in 2017. If yes, please provide the reference.

c) Please explain the discrepancy in the rate class allocation of the LRAMVA thresholds referenced in: i) Tab 2 of the LRAMVA workform; and, ii) in response to III-VECC-25 a) from the 2016-2020 Custom IR application. Why is a revised LRAMVA threshold used, and how was it determined?

d) Powerstream noted in response to III-VECC-25 c) from the 2016-2020 proceeding that an adjustment for street light savings was not required in the CDM manual adjustment. Please clarify whether 2017 base rates had implicitly included an adjustment for forecasted LED conversions. If not, how were LED adjustments to the 2017 load forecast accounted for?

e) Based on your response to d) above, please explain whether the LRAMVA for the street light class (a debit balance of $220,663) reflects a true-up between actual and forecast savings.

It appears that the 2017 load forecast was reduced by LED adjustments (in 2016-2020 CIR application, Rate Proposal, Exhibit H, Tab 1, Table 14). However, there are no forecasted savings from the street light class in the LRAMVA threshold to calculate a variance between forecast and actual savings.

Response:

a) Alectra Utilities confirms that a CDM adjustment of 157,709,956 kWh was embedded in PowerStream's 2017 load forecast, as identified in Table 23 of EB-2015-0003, Supplementary Exhibit H, Tab 2. The CDM adjustment applied to the load forecast is the basis for the LRAMVA threshold. As identified by OEB Staff, the rate class allocation of the LRAMV threshold was provided in response to III-VECC-25.

b) In its Decision and Order in EB-2015-0003, issued August 4, 2016, the OEB accepted PowerStream's 2017 load forecast (3.4.1 Load Forecast, p.26). PowerStream's load forecast included a CDM adjustment of 157,709,956 kWh.

c) Alectra Utilities has updated the LRAMVA threshold for the PowerStream RZ based on a threshold of 153,709,956 kWh for the Residential, GS<50 kW and GS>50 kW classes. Further, Alectra Utilities has included a threshold value of 14,506,119 kWh (40,558 kW) for the Street Light rate class based on its response to part d) of this interrogatory. The updated LRAMVA Workform is filed in response to PRZ-Staff-7.

d) Alectra Utilities confirms that 2017 base rates included an adjustment for forecasted LED conversions. Alectra Utilities has updated the LRAMVA Workform for the PowerStream RZ to include a threshold value of 14,506,119 kWh (40,558 kW) for the Street Light rate class,

which was provided in response to III-VECC-25 c). Alectra Utilities determined the kW threshold based on a 3-year average historical relationship between kW and kWh as provided in response to III-VECC-27 a) from PowerStream's 2016-2020 proceeding.

e) Please see Alectra Utilities' response to part d).

PRZ-Staff-6

LRAMVA - lost revenues from street lighting
Reference 1: Exhibit 3, Tab 1, Schedule 10, p. 3 of 15 (paras. 22-23)
Reference 2: EB-2018-0016, PRZ-Staff-69_Attachment 1_LRAMVA Workform PRZ (Tab 8)
Reference 3: Exhibit 5, Attachment 32 LRAMVA Workform PRZ_20190528

Alectra Utilities stated that it has provided additional data in Tab 8. Street Lighting of the LRAMVA model, where applicable, in support of the Street Lighting project savings. Based on OEB staff's review, Tab 8 of Attachment 32 was not completed. Instead, the demand savings for street light upgrades of 34,903 kW were hard-coded in Tab 5 (cell AE 573).

Questions:

a) **Please explain whether 34,903 kW of street light demand savings for projects in the municipality are claimed, and what this includes.**

   For example:
   - **year of persisting demand savings or new savings**
   - **data on number of bulbs, type of bulbs replaced or retrofitted and average demand per bulb (pre and post upgrade)**
   - **confirmation that savings from new additions has been removed. If not, please discuss.**

b) **Please update the LRAMVA workform to include Tab 8 from Version 4 posted on July 15, 2019 for 2020 COS applications.**

c) **Please confirm that all LED street light upgrades represent incremental savings attributable to the municipality's participation in the IESO's CDM program.**
   i. **If there are savings that are not incented through the IESO's CDM program, please identify these savings and remove them from the LRAMVA calculations. If they are included, please explain.**
   ii. **If there are changes to 34,903 kW of street light savings originally claimed, please indicate what has been removed.**

d) **Please confirm whether the distributor received reports from the participating municipality that validate the number and type of bulbs replaced or retrofitted through the IESO's CDM program. If so, please provide copies of reports.**

Response:

a) The street light demand savings for projects in the PowerStream Rate Zone include the following:

- 5,290.94 kW of incremental demand savings from a street light project completed in 2014 in the City of Markham;
- 7,690.36 kW of incremental demand savings from street light projects completed in 2015 in the City of Barrie and City of Markham;
- 14,589.22 kW of incremental demand savings from five projects completed in 2016 in the City of Barrie, Town of Aurora, Town of Bradford West Gwiliminbury, Town of New Tecumseth, and Town of Penetanguishene;
- 7,332.34 kW of incremental demand savings from projects completed in 2017 in the City of Barrie, Town of New Tecumseth, and Town of Richmond Hill

The projects completed in 2014 through 2016, which amount to 27,570.46 kW, persist into 2017. Therefore, the total LRAM claim, including incremental 2017 savings of 7,332.34 kW is 34,902.8 kW. Alectra Utilities has updated Tab 8 of the LRAMVA workform to provide detailed information on the streetlight project. As a result of the update, the streetlight project savings has been recalculated at 31,195.29 kW.

There were 29,419 High-Pressure Sodium ("HPS") street lights converted to LED lights over the three year period from 2014 to 2017. A detailed breakdown of the type of bulbs replaced and average demand per bulb (pre and post upgrade) is provided in Tab 8 of the updated LRAMVA workform, filed in response to PRZ-Staff-7.

Alectra Utilities confirms that savings from new additions have been removed.

b) Tab 8 from Version 4 of the LRAMVA workform has been updated to reflect changes above.

c) Alectra Utilities confirms that the LED streetlight upgrade, represented incremental savings attributable to the municipality's participation in the IESO's CDM program.

i. Alectra Utilities confirms that the reported savings are related to the IESO's CDM program.

ii. Alectra Utilities' update to the street light demand savings for the PowerStream RZ, as identified in part a) of the response, is due to the methodology applied in computing the street light savings. Alectra Utilities has now relied on Tab 8 from version 4 of the LRAMVA workform to compute street light savings.

d) Alectra Utilities received detailed street light reports from the various municipalities. Due to the large volume of reports, Alectra Utilities has provided a summary of the reported data as PRZ_Staff-6_Attach 1_Street Light Report Summary. Alectra Utilities has also provided, as an example, street light reports from the Town of Aurora which reconciles to the data provided in Tab 8 Street lighting, of the LRAMVA Workform, as PRZ-Staff-6_Attach 2_ Aurora SL Reports.

PRZ-STAFF-6
ATTACHMENT 1 - STREET LIGHT REPORT SUMMARY

Street Light LED Installations - PowerStream RZ

Location	Date of Installation	Effective Billing Date	Confirmed Billing Date	Total Lights Installed	Completion Year
City of Barrie	Jul-15	Jul-15	16-Oct-15	1329	2015
City of Barrie	Aug-15	Aug-15	16-Oct-15	4490	2015
City of Barrie	Sep-15	Sep-15	16-Oct-15	4683	2015
City of Barrie	Oct-15	Dec-15	15-Jan-16	144	2015
City of Barrie	May 31, 2017 - Jul 5, 2017	Sep-17	1-Oct-17	172	2015
City of Markham	Dec-13	Feb-14	26-Mar-14	1078	2015
City of Markham	Jan-14	Feb-14	26-Mar-14	2174	2015
City of Markham	Nov-13	Feb-14	26-Mar-14	763	2015
City of Markham	Oct-13	Feb-14	26-Mar-14	230	2015
City of Markham	Sep-13	Feb-14	26-Mar-14	249	2015
City of Markham	Feb-14	Apr-14	19-Jun-14	1509	2015
City of Markham	Mar-14	Jun-14	1-Jul-14	1745	2015
City of Markham	April-14 to May-14	Jul-14	28-Aug-14	1108	2015
City of Markham	Jan-15	Mar-15	20-Apr-15	197	2015
City of Markham	Jan-15	Mar-15	20-Apr-15	161	2015
City of Markham	Feb-15	Apr-15	14-May-15	448	2015
City of Markham	Mar-15	May-15	15-Jun-15	725	2015
City of Markham	Apr-15	Jul-15	20-Aug-15	727	2015
City of Markham	April-14 to Feb-15	Sep-15	16-Oct-15	681	2015
City of Markham	May-15	Sep-15	16-Oct-15	240	2015
Town of Aurora	Jan-16	Apr-16	16-May-16	1656	2016
Town of Aurora	29-Mar-16 to Apr-16	Aug-16	15-Sep-16	830	2016
Town of Aurora	Jan-16, Mar-16 to Jul-16	Sep-16	18-Oct-16	250	2016
Town of Bradford West Gwiliminbury	Sept-13, May-16	May-16	17-Oct-16	1960	2016
Town of New Tecumseth	Apr-16	Aug-16	15-Sep-16	533	2017
Town of New Tecumseth	Aug-16	Oct-16	15-Nov-16	85	2017
Town of New Tecumseth	Apr-16	Jan-17	14-Feb-17	1252	2017

PRZ-STAFF-6
ATTACHMENT 2 – AURORA SL REPORTS

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
Date This Report Prepared:	February 9,2016	**Report completed by:**	RealTerm Energy
Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	100	32	34	132	n/a		01/04/2016			-79.4869	43.9962	1
1	1	34	100	32	34	132			01/04/2016			-79.4871	43.9969	1
1	1	34	70	26	34	96			01/04/2016			-79.4744	44.0083	1
1	1	34	100	32	34	132			01/04/2016			-79.4874	43.9976	1
1	1	34	100	32	34	132			01/04/2016			-79.4884	43.9979	1
1	1	34	70	26	34	96			01/04/2016			-79.4746	44.0086	1
1	1	34	70	26	34	96			01/04/2016			-79.4748	44.0090	1
1	1	34	70	26	34	96			01/04/2016			-79.4750	44.0093	2
1	1	34	70	26	34	96			01/04/2016			-79.4766	43.9988	1
1	1	34	70	26	34	96			01/04/2016			-79.4754	44.0092	1
1	1	34	100	32	34	132			01/04/2016			-79.4894	43.9981	1
1	1	34	100	32	34	132			01/04/2016			-79.4905	43.9982	1
1	1	34	70	26	34	96			01/04/2016			-79.4749	43.9994	1
1	1	34	70	26	34	96			01/04/2016			-79.4760	44.0090	1
1	1	34	100	32	34	132			01/04/2016			-79.4940	44.0001	1
1	1	34	100	32	34	132			01/04/2016			-79.4871	43.9961	1
1	1	34	70	26	34	96			01/04/2016			-79.4760	44.0088	1
1	1	34	70	26	34	96			01/04/2016			-79.4745	43.9999	1
1	1	34	100	32	34	132			01/04/2016			-79.4916	43.9980	1
1	1	34	70	26	34	96			01/04/2016			-79.4756	44.0083	1
1	1	34	70	26	34	96			01/04/2016			-79.4759	43.9991	1
1	1	34	70	26	34	96			01/04/2016			-79.4757	44.0086	1
1	1	34	100	32	34	132			01/04/2016			-79.4920	43.9966	1
1	1	34	100	32	34	132			01/04/2016			-79.4922	43.9974	1
1	1	34	70	26	34	96			01/04/2016			-79.4740	44.0002	1
1	1	34	70	26	34	96			01/04/2016			-79.4756	44.0090	1
1	1	34	70	26	34	96			01/04/2016			-79.4748	44.0088	1
1	1	34	100	32	34	132			01/04/2016			-79.4931	43.9971	1
1	1	34	100	32	34	132			01/04/2016			-79.4744	44.0002	1
1	1	34	70	26	34	96			01/04/2016			-79.4735	44.0003	1
1	1	34	100	32	34	132			01/04/2016			-79.4931	43.9989	1
1	1	34	100	32	34	132			01/04/2016			-79.4934	43.9975	1
1	1	34	100	32	34	132			01/04/2016			-79.4934	43.9970	1
1	1	34	100	32	34	132			01/04/2016			-79.4937	43.9979	1
1	1	34	70	26	34	96			01/04/2016			-79.4732	44.0007	1
1	1	34	100	32	34	132			01/04/2016			-79.4936	43.9961	1
1	1	34	100	32	34	132			01/04/2016			-79.4934	43.9965	1
1	1	34	100	32	34	132			01/04/2016			-79.4902	43.9965	1
1	1	34	100	32	34	132			01/04/2016			-79.4733	44.0084	1
1	1	34	70	26	34	96			01/04/2016			-79.4748	44.0003	1
1	1	34	100	32	34	132			01/04/2016			-79.4927	43.9969	1
1	1	34	70	26	34	96			01/04/2016			-79.4753	44.0004	1
1	1	34	100	32	34	132			01/04/2016			-79.4734	44.0087	1
1	1	34	70	26	34	96			01/04/2016			-79.4743	44.0009	1
1	1	34	70	26	34	96			01/04/2016			-79.4744	44.0014	1
1	1	34	100	32	34	132			01/04/2016			-79.4736	44.0091	1
1	1	34	70	26	34	96			01/04/2016			-79.4751	44.0015	1
1	1	34	70	26	34	96			01/04/2016			-79.4760	44.0013	1
1	1	34	100	32	34	132			01/04/2016			-79.4841	44.0074	1
1	1	34	100	32	34	132			01/04/2016			-79.4913	43.9965	1
1	1	34	100	32	34	132			01/04/2016			-79.4922	44.0087	1
1	1	34	100	32	34	132			01/04/2016			-79.4920	44.0082	1
1	1	34	100	32	34	132			01/04/2016			-79.4916	44.0073	1
1	1	34	70	26	34	96			01/04/2016			-79.4945	44.0007	1
1	1	34	100	32	34	132			01/04/2016			-79.4945	44.0016	1
1	1	34	100	32	34	132			01/04/2016			-79.4902	43.9964	1
1	1	34	100	32	34	132			01/04/2016			-79.4907	43.9964	1
1	1	34	100	32	34	132			01/04/2016			-79.4950	44.0020	1
1	1	34	100	32	34	132			01/04/2016			-79.4919	44.0067	1
1	1	34	70	26	34	96			01/04/2016			-79.4806	44.0028	1
1	1	34	100	32	34	132			01/04/2016			-79.4898	43.9957	1
1	1	34	70	26	34	96			01/04/2016			-79.4946	44.0012	1
1	1	34	70	26	34	96			01/04/2016			-79.4945	44.0003	1
1	1	34	100	32	34	132			01/04/2016			-79.4886	43.9957	1
1	1	34	100	32	34	132			01/04/2016			-79.4937	43.9996	1
1	1	34	100	32	34	132			01/04/2016			-79.4875	43.9959	1
1	1	34	100	32	34	132			01/05/2016			-79.4808	43.9974	1
1	1	34	100	32	34	132			01/05/2016			-79.4805	43.9974	1
1	1	34	100	32	34	132			01/05/2016			-79.4804	43.9978	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
Date This Report Prepared:	February 9,2016	**Report completed by:**	RealTerm Energy
Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	100	32	34	132			01/05/2016			-79.4931	43.9986	2
1	1	34	100	32	34	132			01/05/2016			-79.4935	43.9992	1
1	1	34	100	32	34	132			01/05/2016			-79.4813	43.9997	1
1	1	34	100	32	34	132			01/05/2016			-79.4816	43.9998	1
1	1	34	100	32	34	132			01/05/2016			-79.4919	43.9993	1
1	1	34	70	26	34	96			01/05/2016			-79.4825	44.0000	1
1	1	34	70	26	34	96			01/05/2016			-79.4821	43.9999	1
1	1	34	70	26	34	96			01/05/2016			-79.4829	43.9998	1
1	1	34	70	26	34	96			01/05/2016			-79.4828	43.9993	1
1	1	34	100	32	34	132			01/05/2016			-79.4777	43.9993	1
1	1	34	100	32	34	132			01/05/2016			-79.4924	44.0008	1
1	1	34	70	26	34	96			01/05/2016			-79.4818	43.9985	1
1	1	34	70	26	34	96			01/05/2016			-79.4823	43.9987	1
1	1	34	100	32	34	132			01/05/2016			-79.4911	44.0006	1
1	1	34	70	26	34	96			01/05/2016			-79.4813	43.9985	1
1	1	34	100	32	34	132			01/05/2016			-79.4901	44.0004	1
1	1	34	100	32	34	132			01/05/2016			-79.4807	43.9985	1
1	1	34	100	32	34	132			01/05/2016			-79.4889	44.0004	1
1	1	34	70	26	34	96			01/05/2016			-79.4810	43.9986	1
1	1	34	100	32	34	132			01/05/2016			-79.4880	43.9997	2
1	1	34	100	32	34	132			01/05/2016			-79.4789	43.9998	1
1	1	34	100	32	34	132			01/05/2016			-79.4788	43.9994	1
1	1	34	100	32	34	132			01/05/2016			-79.4884	44.0005	1
1	1	34	100	32	34	132			01/05/2016			-79.4880	44.0002	1
1	1	34	100	32	34	132			01/05/2016			-79.4792	44.0004	1
1	1	34	100	32	34	132			01/05/2016			-79.4793	44.0007	2
1	1	34	100	32	34	132			01/05/2016			-79.4790	44.0001	1
1	1	34	100	32	34	132			01/05/2016			-79.4906	44.0006	1
1	1	34	100	32	34	132			01/05/2016			-79.4895	44.0005	1
1	1	34	100	32	34	132			01/05/2016			-79.4917	44.0008	1
1	1	34	100	32	34	132			01/05/2016			-79.4928	44.0010	2
1	1	34	100	32	34	132			01/05/2016			-79.4800	44.0005	1
1	1	34	100	32	34	132			01/05/2016			-79.4803	44.0003	1
1	1	34	100	32	34	132			01/05/2016			-79.4930	44.0004	1
1	1	34	100	32	34	132			01/05/2016			-79.4930	44.0007	1
1	1	34	100	32	34	132			01/05/2016			-79.4797	44.0005	1
1	1	34	100	32	34	132			01/05/2016			-79.4902	43.9997	1
1	1	34	150	36	34	186			01/05/2016			-79.4918	43.9998	1
1	1	34	100	32	34	132			01/05/2016			-79.4811	43.9995	1
1	1	34	100	32	34	132			01/05/2016			-79.4907	43.9997	1
1	1	34	100	32	34	132			01/05/2016			-79.4913	44.0000	1
1	1	34	100	32	34	132			01/05/2016			-79.4810	43.9998	1
1	1	34	100	32	34	132			01/06/2016			-79.4820	43.9833	1
1	1	34	70	26	34	96			01/06/2016			-79.4759	44.0039	1
1	1	34	70	26	34	96			01/06/2016			-79.4753	44.0040	1
1	1	34	70	26	34	96			01/06/2016			-79.4760	44.0035	1
1	1	34	100	32	34	132			01/06/2016			-79.4812	44.0000	1
1	1	34	70	26	34	96			01/06/2016			-79.4762	44.0030	1
1	1	34	100	32	34	132			01/06/2016			-79.4843	44.0007	1
1	1	34	70	26	34	96			01/06/2016			-79.4763	44.0025	1
1	1	34	100	32	34	132			01/06/2016			-79.4847	44.0010	1
1	1	34	100	32	34	132			01/06/2016			-79.4763	44.0022	1
1	1	34	100	32	34	132			01/06/2016			-79.4772	44.0021	1
1	1	34	100	32	34	132			01/06/2016			-79.4740	44.0046	1
1	1	34	100	32	34	132			01/06/2016			-79.4793	43.9997	1
1	1	34	100	32	34	132			01/06/2016			-79.4850	44.0033	1
1	1	34	100	32	34	132			01/06/2016			-79.4802	43.9995	1
1	1	34	100	32	34	132			01/06/2016			-79.4742	44.0042	1
1	1	34	100	32	34	132			01/06/2016			-79.4806	43.9996	1
1	1	34	100	32	34	132			01/06/2016			-79.4850	44.0023	1
1	1	34	100	32	34	132			01/06/2016			-79.4800	43.9997	1
1	1	34	100	32	34	132			01/06/2016			-79.4856	44.0046	1
1	1	34	100	32	34	132			01/06/2016			-79.4853	44.0040	1
1	1	34	100	32	34	132			01/06/2016			-79.4747	44.0039	1
1	1	34	100	32	34	132			01/06/2016			-79.4751	44.0029	1
1	1	34	100	32	34	132			01/06/2016			-79.4792	43.9989	1
1	1	34	100	32	34	132			01/06/2016			-79.4753	44.0024	1
1	1	34	100	32	34	132			01/06/2016			-79.4758	44.0023	1
1	1	34	100	32	34	132			01/06/2016			-79.4866	44.0064	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
Date This Report Prepared:	February 9,2016	**Report completed by:**	RealTerm Energy
Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	70	26	34	96			01/06/2016			-79.4760	43.9994	1
1	1	34	100	32	34	132			01/06/2016			-79.4788	43.9991	1
1	1	34	70	26	34	96			01/06/2016			-79.4762	43.9996	1
1	1	34	100	32	34	132			01/06/2016			-79.4861	44.0054	1
1	1	34	100	32	34	132			01/06/2016			-79.4801	43.9987	1
1	1	34	70	26	34	96			01/06/2016			-79.4768	44.0001	1
1	1	34	100	32	34	132			01/06/2016			-79.4870	44.0072	1
1	1	34	70	26	34	96			01/06/2016			-79.4768	44.0006	1
1	1	34	70	26	34	96			01/06/2016			-79.4765	44.0012	1
1	1	34	100	32	34	132			01/06/2016			-79.4806	43.9982	1
1	1	34	100	32	34	132			01/06/2016			-79.4803	43.9984	1
1	1	34	70	26	34	96			01/06/2016			-79.4749	44.0023	1
1	1	34	100	32	34	132			01/06/2016			-79.4893	44.0082	1
1	1	34	100	32	34	132			01/06/2016			-79.4894	44.0085	1
1	1	34	70	26	34	96			01/06/2016			-79.4746	44.0021	1
1	1	34	100	32	34	132			01/06/2016			-79.4890	44.0079	1
1	1	34	70	26	34	96			01/06/2016			-79.4785	44.0029	1
1	1	34	70	26	34	96			01/06/2016			-79.4782	44.0036	1
1	1	34	100	32	34	132			01/06/2016			-79.4887	44.0077	1
1	1	34	100	32	34	132			01/06/2016			-79.4797	43.9987	1
1	1	34	100	32	34	132			01/06/2016			-79.4784	43.9990	1
1	1	34	70	26	34	96			01/06/2016			-79.4786	44.0026	1
1	1	34	100	32	34	132			01/06/2016			-79.4790	44.0023	1
1	1	34	70	26	34	96			01/06/2016			-79.4796	44.0032	1
1	1	34	70	26	34	96			01/06/2016			-79.4796	44.0025	1
1	1	34	70	26	34	96			01/06/2016			-79.4819	44.0030	2
1	1	34	100	32	34	132			01/06/2016			-79.4816	43.9593	1
1	1	34	100	32	34	132			01/06/2016			-79.4817	43.9596	1
1	1	34	100	32	34	132			01/06/2016			-79.4568	44.0195	1
1	1	34	70	26	34	96			01/06/2016			-79.4814	44.0032	1
1	1	34	70	26	34	96			01/06/2016			-79.4817	44.0021	1
1	1	34	100	32	34	132			01/06/2016			-79.4809	43.9595	1
1	1	34	100	32	34	132			01/06/2016			-79.4816	43.9596	1
1	1	34	70	26	34	96			01/06/2016			-79.4805	44.0019	1
1	1	34	70	26	34	96			01/06/2016			-79.4806	44.0025	1
1	1	34	100	32	34	132			01/06/2016			-79.4903	43.9836	1
1	1	34	70	26	34	96			01/06/2016			-79.4816	44.0016	1
1	1	34	100	32	34	132			01/06/2016			-79.4891	43.9836	1
1	1	34	100	32	34	132			01/06/2016			-79.4880	43.9839	1
1	1	34	70	26	34	96			01/06/2016			-79.4804	44.0015	1
1	1	34	70	26	34	96			01/06/2016			-79.4469	43.9968	1
1	1	34	70	26	34	96			01/06/2016			-79.4806	44.0033	2
1	1	34	70	26	34	96			01/06/2016			-79.4815	44.0035	1
1	1	34	100	32	34	132			01/06/2016			-79.4869	43.9842	1
1	1	34	100	32	34	132			01/06/2016			-79.4859	43.9843	1
1	1	34	100	32	34	132			01/06/2016			-79.4869	43.9772	1
1	1	34	100	32	34	132			01/06/2016			-79.4867	43.9765	1
1	1	34	100	32	34	132			01/06/2016			-79.4865	43.9844	1
1	1	34	100	32	34	132			01/06/2016			-79.4596	43.9786	1
1	1	34	100	32	34	132			01/06/2016			-79.4820	43.9785	1
1	1	34	100	32	34	132			01/06/2016			-79.4875	43.9841	1
1	1	34	100	32	34	132			01/06/2016			-79.4815	43.9777	1
1	1	34	70	26	34	96			01/06/2016			-79.4738	44.0057	1
1	1	34	100	32	34	132			01/06/2016			-79.4886	43.9838	1
1	1	34	100	32	34	132			01/06/2016			-79.4898	43.9836	1
1	1	34	100	32	34	132			01/06/2016			-79.4905	43.9839	1
1	1	34	70	26	34	96			01/06/2016			-79.4753	44.0064	1
1	1	34	100	32	34	132			01/06/2016			-79.4826	43.9833	1
1	1	34	100	32	34	132			01/06/2016			-79.4668	44.0163	1
1	1	34	70	26	34	96			01/06/2016			-79.4746	44.0062	1
1	1	34	70	26	34	96			01/06/2016			-79.4756	44.0061	1
1	1	34	100	32	34	132			01/06/2016			-79.4907	43.9846	2
1	1	34	100	32	34	132			01/06/2016			-79.4904	43.9851	1
1	1	34	100	32	34	132			01/06/2016			-79.4689	44.0112	2
1	1	34	100	32	34	132			01/06/2016			-79.4907	43.9849	1
1	1	34	70	26	34	96			01/06/2016			-79.4770	44.0009	1
1	1	34	100	32	34	132			01/06/2016			-79.4745	44.0018	1
1	1	34	70	26	34	96			01/06/2016			-79.4765	43.9999	1
1	1	34	70	26	34	96			01/06/2016			-79.4794	44.0022	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
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Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	70	26	34	96			01/06/2016			-79.4785	44.0032	1
1	1	34	70	26	34	96			01/06/2016			-79.4818	44.0026	1
1	1	34	70	26	34	96			01/06/2016			-79.4746	44.0031	1
1	1	34	100	32	34	132			01/06/2016			-79.4749	44.0033	1
1	1	34	70	26	34	96			01/06/2016			-79.4736	44.0054	1
1	1	34	70	26	34	96			01/06/2016			-79.4752	44.0061	1
1	1	34	70	26	34	96			01/06/2016			-79.4739	44.0060	1
1	1	34	100	32	34	132			01/06/2016			-79.4814	44.0011	2
1	1	34	100	32	34	132			01/07/2016			-79.4556	44.0212	1
1	1	34	100	32	34	132			01/07/2016			-79.4555	44.0209	1
1	1	34	100	32	34	132			01/07/2016			-79.4556	44.0203	1
1	1	34	100	32	34	132			01/07/2016			-79.4546	44.0206	1
1	1	34	100	32	34	132			01/07/2016			-79.4549	44.0214	1
1	1	34	100	32	34	132			01/07/2016			-79.4543	44.0202	1
1	1	34	100	32	34	132			01/07/2016			-79.4548	44.0210	1
1	1	34	100	32	34	132			01/07/2016			-79.4551	44.0215	1
1	1	34	100	32	34	132			01/07/2016			-79.4561	44.0203	1
1	1	34	100	32	34	132			01/07/2016			-79.4556	44.0214	1
1	1	34	100	32	34	132			01/07/2016			-79.4555	44.0206	1
1	1	34	100	32	34	132			01/07/2016			-79.4583	44.0205	1
1	1	34	100	32	34	132			01/07/2016			-79.4571	44.0201	1
1	1	34	100	32	34	132			01/07/2016			-79.4578	44.0206	1
1	1	34	100	32	34	132			01/07/2016			-79.4804	43.9595	2
1	1	34	100	32	34	132			01/07/2016			-79.4687	44.0111	2
1	1	53	250	50	53	300			01/07/2016			-79.4776	43.9591	8
1	1	34	100	32	34	132			01/07/2016			-79.4584	44.0199	1
1	1	34	100	32	34	132			01/07/2016			-79.4691	44.0110	2
1	1	34	100	32	34	132			01/07/2016			-79.4580	44.0199	1
1	1	34	100	32	34	132			01/07/2016			-79.4575	44.0205	1
1	1	34	100	32	34	132			01/07/2016			-79.4687	44.0106	2
1	1	34	100	32	34	132			01/07/2016			-79.4691	44.0108	2
1	1	34	100	32	34	132			01/07/2016			-79.4589	44.0196	1
1	1	34	100	32	34	132			01/07/2016			-79.4778	43.9603	1
1	1	34	100	32	34	132			01/07/2016			-79.4573	44.0201	1
1	1	34	100	32	34	132			01/07/2016			-79.4686	44.0108	2
1	1	34	100	32	34	132			01/07/2016			-79.4820	43.9605	1
1	1	34	100	32	34	132			01/07/2016			-79.4824	43.9608	1
1	1	34	100	32	34	132			01/07/2016			-79.4834	43.9606	1
1	1	34	100	32	34	132			01/07/2016			-79.4684	44.0111	2
1	1	34	100	32	34	132			01/07/2016			-79.4585	44.0203	1
1	1	34	100	32	34	132			01/07/2016			-79.4587	44.0192	1
1	1	34	100	32	34	132			01/07/2016			-79.4585	44.0197	1
1	1	34	100	32	34	132			01/07/2016			-79.4767	43.9609	1
1	1	34	100	32	34	132			01/07/2016			-79.4575	44.0199	1
1	1	34	100	32	34	132			01/07/2016			-79.4846	43.9601	1
1	1	34	100	32	34	132			01/07/2016			-79.4565	44.0201	1
1	1	34	100	32	34	132			01/07/2016			-79.4655	44.0185	2
1	1	34	100	32	34	132			01/07/2016			-79.4754	43.9608	1
1	1	34	100	32	34	132			01/07/2016			-79.4855	43.9599	2
1	1	34	100	32	34	132			01/07/2016			-79.4652	44.0175	1
1	1	34	100	32	34	132			01/07/2016			-79.4750	43.9605	2
1	1	34	100	32	34	132			01/07/2016			-79.4581	44.0193	1
1	1	34	100	32	34	132			01/07/2016			-79.4563	44.0197	1
1	1	34	100	32	34	132			01/07/2016			-79.4651	44.0167	1
1	1	34	100	32	34	132			01/07/2016			-79.4574	44.0194	1
1	1	34	100	32	34	132			01/07/2016			-79.4756	43.9612	1
1	1	34	100	32	34	132			01/07/2016			-79.4858	43.9597	2
1	1	34	100	32	34	132			01/07/2016			-79.4755	43.9617	1
1	1	34	100	32	34	132			01/07/2016			-79.4585	44.0192	1
1	1	34	100	32	34	132			01/07/2016			-79.4851	43.9598	1
1	1	34	100	32	34	132			01/07/2016			-79.4745	43.9623	1
1	1	34	100	32	34	132			01/07/2016			-79.4590	44.0190	1
1	1	34	100	32	34	132			01/07/2016			-79.4839	43.9602	1
1	1	34	100	32	34	132			01/07/2016			-79.4592	44.0187	1
1	1	34	100	32	34	132			01/07/2016			-79.4739	43.9623	2
1	1	34	100	32	34	132			01/07/2016			-79.4753	43.9624	1
1	1	34	100	32	34	132			01/07/2016			-79.4829	43.9606	1
1	1	34	100	32	34	132			01/07/2016			-79.4767	43.9625	1
1	1	34	100	32	34	132			01/07/2016			-79.4620	43.9776	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

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Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	100	32	34	132			01/07/2016			-79.4615	43.9777	1
1	1	34	100	32	34	132			01/07/2016			-79.4820	43.9600	1
1	1	34	100	32	34	132			01/07/2016			-79.4589	44.0177	1
1	1	34	100	32	34	132			01/07/2016			-79.4593	44.0184	1
1	1	34	100	32	34	132			01/07/2016			-79.4609	43.9778	1
1	1	34	100	32	34	132			01/07/2016			-79.4603	43.9780	1
1	1	34	100	32	34	132			01/07/2016			-79.4587	44.0175	1
1	1	34	100	32	34	132			01/07/2016			-79.4784	43.9625	1
1	1	34	100	32	34	132			01/07/2016			-79.4585	44.0172	1
1	1	34	100	32	34	132			01/07/2016			-79.4581	44.0162	1
1	1	34	100	32	34	132			01/07/2016			-79.4584	44.0169	1
1	1	34	100	32	34	132			01/07/2016			-79.4592	43.9782	1
1	1	34	100	32	34	132			01/07/2016			-79.4816	43.9588	2
1	1	34	100	32	34	132			01/07/2016			-79.4583	44.0165	1
1	1	34	100	32	34	132			01/07/2016			-79.4598	43.9781	1
1	1	34	100	32	34	132			01/07/2016			-79.4580	44.0158	1
1	1	34	100	32	34	132			01/07/2016			-79.4572	44.0155	1
1	1	34	100	32	34	132			01/07/2016			-79.4586	43.9783	1
1	1	34	100	32	34	132			01/07/2016			-79.4578	44.0157	1
1	1	34	100	32	34	132			01/07/2016			-79.4581	43.9785	1
1	1	34	100	32	34	132			01/07/2016			-79.4841	43.9604	1
1	1	34	100	32	34	132			01/07/2016			-79.4796	43.9618	1
1	1	34	100	32	34	132			01/07/2016			-79.4567	44.0156	1
1	1	34	100	32	34	132			01/07/2016			-79.4562	44.0157	1
1	1	34	100	32	34	132			01/07/2016			-79.4575	43.9786	1
1	1	34	100	32	34	132			01/07/2016			-79.4556	44.0158	1
1	1	34	100	32	34	132			01/07/2016			-79.4843	43.9607	1
1	1	34	100	32	34	132			01/07/2016			-79.4551	44.0159	1
1	1	34	100	32	34	132			01/07/2016			-79.4545	44.0161	1
1	1	34	100	32	34	132			01/07/2016			-79.4569	43.9786	1
1	1	34	100	32	34	132			01/07/2016			-79.4846	43.9610	1
1	1	34	100	32	34	132			01/07/2016			-79.4540	44.0162	1
1	1	34	100	32	34	132			01/07/2016			-79.4800	43.9613	2
1	1	34	100	32	34	132			01/07/2016			-79.4517	44.0166	1
1	1	34	100	32	34	132			01/07/2016			-79.4563	43.9787	1
1	1	34	100	32	34	132			01/07/2016			-79.4524	44.0165	1
1	1	34	100	32	34	132			01/07/2016			-79.4520	44.0167	1
1	1	34	100	32	34	132			01/07/2016			-79.4557	43.9788	1
1	1	34	100	32	34	132			01/07/2016			-79.4534	44.0163	1
1	1	34	100	32	34	132			01/07/2016			-79.4842	43.9612	1
1	1	34	100	32	34	132			01/07/2016			-79.4531	44.0165	1
1	1	34	100	32	34	132			01/07/2016			-79.4540	43.9780	1
1	1	34	100	32	34	132			01/07/2016			-79.4789	43.9621	1
1	1	34	100	32	34	132			01/07/2016			-79.4836	43.9614	1
1	1	34	100	32	34	132			01/07/2016			-79.4543	43.9784	1
1	1	34	100	32	34	132			01/07/2016			-79.4541	44.0168	1
1	1	34	100	32	34	132			01/07/2016			-79.4536	44.0169	1
1	1	34	100	32	34	132			01/07/2016			-79.4525	44.0172	1
1	1	34	100	32	34	132			01/07/2016			-79.4548	43.9787	1
1	1	34	100	32	34	132			01/07/2016			-79.4526	44.0186	1
1	1	34	100	32	34	132			01/07/2016			-79.4830	43.9616	1
1	1	34	100	32	34	132			01/07/2016			-79.4522	44.0175	1
1	1	34	100	32	34	132			01/07/2016			-79.4775	43.9625	1
1	1	34	100	32	34	132			01/07/2016			-79.4552	43.9790	2
1	1	34	100	32	34	132			01/07/2016			-79.4523	44.0179	1
1	1	34	100	32	34	132			01/07/2016			-79.4530	44.0200	1
1	1	34	100	32	34	132			01/07/2016			-79.4826	43.9615	2
1	1	34	100	32	34	132			01/07/2016			-79.4565	43.9757	1
1	1	34	100	32	34	132			01/07/2016			-79.4528	44.0194	1
1	1	34	100	32	34	132			01/07/2016			-79.4827	43.9618	2
1	1	34	100	32	34	132			01/07/2016			-79.4759	43.9623	1
1	1	34	100	32	34	132			01/07/2016			-79.4529	44.0196	1
1	1	34	100	32	34	132			01/07/2016			-79.4568	43.9761	1
1	1	34	100	32	34	132			01/07/2016			-79.4571	43.9764	1
1	1	34	100	32	34	132			01/07/2016			-79.4575	43.9767	1
1	1	34	100	32	34	132			01/07/2016			-79.4579	43.9770	1
1	1	34	100	32	34	132			01/07/2016			-79.4754	43.9632	1
1	1	34	100	32	34	132			01/07/2016			-79.4581	43.9779	1
1	1	34	100	32	34	132			01/07/2016			-79.4581	43.9775	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

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Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	100	32	34	132			01/07/2016			-79.4756	43.9627	1
1	1	34	100	32	34	132			01/07/2016			-79.4848	43.9610	1
1	1	34	100	32	34	132			01/07/2016			-79.4596	43.9805	1
1	1	34	100	32	34	132			01/07/2016			-79.4854	43.9608	1
1	1	34	100	32	34	132			01/07/2016			-79.4583	43.9783	1
1	1	34	100	32	34	132			01/07/2016			-79.4859	43.9607	2
1	1	34	100	32	34	132			01/07/2016			-79.4856	43.9606	2
1	1	34	100	32	34	132			01/07/2016			-79.4533	44.0203	2
1	1	34	100	32	34	132			01/07/2016			-79.4539	44.0202	1
1	1	34	100	32	34	132			01/07/2016			-79.4545	44.0201	1
1	1	34	100	32	34	132			01/07/2016			-79.4550	44.0199	1
1	1	34	100	32	34	132			01/07/2016			-79.4757	43.9622	1
1	1	34	100	32	34	132			01/07/2016			-79.4606	43.9801	1
1	1	34	100	32	34	132			01/07/2016			-79.4602	43.9803	1
1	1	34	100	32	34	132			01/07/2016			-79.4556	44.0198	1
1	1	34	100	32	34	132			01/07/2016			-79.4566	44.0189	1
1	1	34	100	32	34	132			01/07/2016			-79.4560	44.0191	1
1	1	34	100	32	34	132			01/07/2016			-79.4760	43.9612	1
1	1	34	100	32	34	132			01/07/2016			-79.4605	43.9796	1
1	1	34	100	32	34	132			01/07/2016			-79.4601	43.9793	1
1	1	34	100	32	34	132			01/07/2016			-79.4572	44.0188	1
1	1	34	100	32	34	132			01/07/2016			-79.4775	43.9608	1
1	1	34	100	32	34	132			01/07/2016			-79.4598	43.9790	1
1	1	34	100	32	34	132			01/07/2016			-79.4584	44.0185	1
1	1	34	100	32	34	132			01/07/2016			-79.4578	44.0187	1
1	1	34	100	32	34	132			01/07/2016			-79.4549	43.9830	1
1	1	34	100	32	34	132			01/07/2016			-79.4551	43.9826	1
1	1	34	100	32	34	132			01/07/2016			-79.4561	44.0176	2
1	1	34	100	32	34	132			01/07/2016			-79.4566	44.0177	2
1	1	34	100	32	34	132			01/07/2016			-79.4554	43.9822	1
1	1	34	100	32	34	132			01/07/2016			-79.4556	43.9818	1
1	1	34	100	32	34	132			01/07/2016			-79.4779	43.9597	1
1	1	34	100	32	34	132			01/07/2016			-79.4558	43.9814	1
1	1	34	100	32	34	132			01/07/2016			-79.4558	43.9810	1
1	1	34	100	32	34	132			01/07/2016			-79.4896	43.9857	1
1	1	34	100	32	34	132			01/07/2016			-79.4908	43.9841	2
1	1	34	100	32	34	132			01/07/2016			-79.4886	43.9861	1
1	1	34	100	32	34	132			01/07/2016			-79.4879	43.9765	1
1	1	34	100	32	34	132			01/07/2016			-79.4568	44.0219	2
1	1	34	100	32	34	132			01/07/2016			-79.4876	43.9769	2
1	1	34	100	32	34	132			01/07/2016			-79.4564	44.0240	2
1	1	34	100	32	34	132			01/07/2016			-79.4865	43.9797	2
1	1	34	100	32	34	132			01/07/2016			-79.4875	43.9863	1
1	1	34	100	32	34	132			01/07/2016			-79.4830	43.9832	2
1	1	34	100	32	34	132			01/07/2016			-79.4819	43.9840	2
1	1	34	100	32	34	132			01/07/2016			-79.4862	43.9859	1
1	1	34	100	32	34	132			01/07/2016			-79.4569	44.0223	2
1	1	34	100	32	34	132			01/08/2016			-79.4506	44.0256	2
1	1	34	70	26	34	96			01/08/2016			-79.4499	43.9939	1
1	1	34	70	26	34	96			01/08/2016			-79.4496	43.9931	1
1	1	34	70	26	34	96			01/08/2016			-79.4486	43.9928	2
1	1	34	70	26	34	96			01/08/2016			-79.4492	43.9927	2
1	1	34	70	26	34	96			01/08/2016			-79.4491	43.9930	1
1	1	34	100	32	34	132			01/08/2016			-79.4532	44.0197	1
1	1	34	100	32	34	132			01/08/2016			-79.4536	44.0196	1
1	1	34	70	26	34	96			01/08/2016			-79.4500	43.9934	1
1	1	34	70	26	34	96			01/08/2016			-79.4502	43.9936	2
1	1	34	100	32	34	132			01/08/2016			-79.4541	44.0195	1
1	1	34	70	26	34	96			01/08/2016			-79.4504	43.9938	1
1	1	34	70	26	34	96			01/08/2016			-79.4507	43.9944	1
1	1	34	100	32	34	132			01/08/2016			-79.4546	44.0194	1
1	1	34	100	32	34	132			01/08/2016			-79.4849	43.9869	1
1	1	34	70	26	34	96			01/08/2016			-79.4510	43.9952	1
1	1	34	100	32	34	132			01/08/2016			-79.4861	43.9868	1
1	1	34	70	26	34	96			01/08/2016			-79.4508	43.9960	1
1	1	34	70	26	34	96			01/08/2016			-79.4503	43.9966	1
1	1	34	100	32	34	132			01/08/2016			-79.4870	43.9866	1
1	1	34	100	32	34	132			01/08/2016			-79.4866	43.9862	1
1	1	34	100	32	34	132			01/08/2016			-79.4856	43.9861	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
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Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	100	32	34	132			01/08/2016			-79.4852	43.9863	1
1	1	34	100	32	34	132			01/08/2016			-79.4556	44.0192	1
1	1	34	100	32	34	132			01/08/2016			-79.4866	43.9769	1
1	1	34	100	32	34	132			01/08/2016			-79.4849	43.9866	1
1	1	34	100	32	34	132			01/08/2016			-79.4551	44.0193	1
1	1	34	100	32	34	132			01/08/2016			-79.4592	44.0181	1
1	1	34	70	26	34	96			01/08/2016			-79.4496	43.9972	1
1	1	34	100	32	34	132			01/08/2016			-79.4865	43.9866	1
1	1	34	100	32	34	132			01/08/2016			-79.4868	43.9777	1
1	1	34	100	32	34	132			01/08/2016			-79.4590	44.0184	1
1	1	34	100	32	34	132			01/08/2016			-79.4572	44.0174	1
1	1	34	70	26	34	96			01/08/2016			-79.4480	43.9981	1
1	1	34	100	32	34	132			01/08/2016			-79.4854	43.9869	1
1	1	34	70	26	34	96			01/08/2016			-79.4488	43.9976	1
1	1	34	100	32	34	132			01/08/2016			-79.4579	44.0174	1
1	1	34	100	32	34	132			01/08/2016			-79.4583	44.0173	1
1	1	34	100	32	34	132			01/08/2016			-79.4870	43.9785	2
1	1	34	100	32	34	132			01/08/2016			-79.4581	44.0166	1
1	1	34	70	26	34	96			01/08/2016			-79.4476	43.9984	2
1	1	34	100	32	34	132			01/08/2016			-79.4525	44.0178	1
1	1	34	100	32	34	132			01/08/2016			-79.4866	43.9787	1
1	1	34	100	32	34	132			01/08/2016			-79.4531	44.0178	1
1	1	34	70	26	34	96			01/08/2016			-79.4479	43.9987	2
1	1	34	100	32	34	132			01/08/2016			-79.4536	44.0177	1
1	1	34	100	32	34	132			01/08/2016			-79.4541	44.0175	1
1	1	34	100	32	34	132			01/08/2016			-79.4856	43.9789	1
1	1	34	100	32	34	132			01/08/2016			-79.4547	44.0174	1
1	1	34	100	32	34	132			01/08/2016			-79.4553	44.0173	1
1	1	34	100	32	34	132			01/08/2016			-79.4847	43.9795	1
1	1	34	100	32	34	132			01/08/2016			-79.4558	44.0172	1
1	1	34	100	32	34	132			01/08/2016			-79.4564	44.0170	1
1	1	34	100	32	34	132			01/08/2016			-79.4843	43.9802	1
1	1	34	70	26	34	96			01/08/2016			-79.4494	43.9974	1
1	1	34	100	32	34	132			01/08/2016			-79.4839	43.9808	1
1	1	34	70	26	34	96			01/08/2016			-79.4486	43.9979	2
1	1	34	100	32	34	132			01/08/2016			-79.4881	43.9863	1
1	1	34	100	32	34	132			01/08/2016			-79.4570	44.0169	1
1	1	34	70	26	34	96			01/08/2016			-79.4501	43.9970	1
1	1	34	100	32	34	132			01/08/2016			-79.4576	44.0168	1
1	1	34	100	32	34	132			01/08/2016			-79.4891	43.9861	1
1	1	34	70	26	34	96			01/08/2016			-79.4508	43.9964	1
1	1	34	70	26	34	96			01/08/2016			-79.4511	43.9956	1
1	1	34	100	32	34	132			01/08/2016			-79.4834	43.9817	1
1	1	34	100	32	34	132			01/08/2016			-79.4572	44.0161	1
1	1	34	100	32	34	132			01/08/2016			-79.4901	43.9855	1
1	1	34	70	26	34	96			01/08/2016			-79.4510	43.9948	1
1	1	34	100	32	34	132			01/08/2016			-79.4563	44.0163	1
1	1	34	100	32	34	132			01/08/2016			-79.4844	43.9821	1
1	1	34	70	26	34	96			01/08/2016			-79.4508	43.9940	1
1	1	34	100	32	34	132			01/08/2016			-79.4830	44.0045	1
1	1	34	100	32	34	132			01/08/2016			-79.4552	44.0166	1
1	1	34	100	32	34	132			01/08/2016			-79.4801	43.9857	2
1	1	34	100	32	34	132			01/08/2016			-79.4846	43.9845	1
1	1	34	100	32	34	132			01/08/2016			-79.4851	43.9816	1
1	1	34	70	26	34	96			01/08/2016			-79.4439	43.9949	1
1	1	34	70	26	34	96			01/08/2016			-79.4436	43.9941	1
1	1	34	100	32	34	132			01/08/2016			-79.4836	43.9849	1
1	1	34	100	32	34	132			01/08/2016			-79.4530	44.0172	1
1	1	34	100	32	34	132			01/08/2016			-79.4546	44.0168	1
1	1	34	70	26	34	96			01/08/2016			-79.4442	43.9952	1
1	1	34	70	26	34	96			01/08/2016			-79.4451	43.9956	1
1	1	34	70	26	34	96			01/08/2016			-79.4460	43.9958	1
1	1	34	100	32	34	132			01/08/2016			-79.4567	44.0163	1
1	1	34	100	32	34	132			01/08/2016			-79.4832	44.0045	1
1	1	34	100	32	34	132			01/08/2016			-79.4558	44.0165	1
1	1	34	70	26	34	96			01/08/2016			-79.4471	43.9961	2
1	1	34	100	32	34	132			01/08/2016			-79.4855	43.9808	1
1	1	34	70	26	34	96			01/08/2016			-79.4471	43.9963	1
1	1	34	100	32	34	132			01/08/2016			-79.4578	44.0160	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

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Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	100	32	34	132			01/08/2016			-79.4860	43.9800	1
1	1	34	100	32	34	132			01/08/2016			-79.4824	43.9852	1
1	1	34	70	26	34	96			01/08/2016			-79.4456	43.9956	1
1	1	34	100	32	34	132			01/08/2016			-79.4534	44.0190	1
1	1	34	100	32	34	132			01/08/2016			-79.4530	44.0191	1
1	1	34	100	32	34	132			01/08/2016			-79.4855	43.9803	1
1	1	34	100	32	34	132			01/08/2016			-79.4833	44.0043	1
1	1	34	70	26	34	96			01/08/2016			-79.4467	43.9959	1
1	1	34	100	32	34	132			01/08/2016			-79.4540	44.0189	1
1	1	34	70	26	34	96			01/08/2016			-79.4447	43.9953	1
1	1	34	100	32	34	132			01/08/2016			-79.4545	44.0188	1
1	1	34	100	32	34	132			01/08/2016			-79.4851	43.9811	1
1	1	34	100	32	34	132			01/08/2016			-79.4848	43.9819	1
1	1	34	100	32	34	132			01/08/2016			-79.4558	44.0185	1
1	1	34	100	32	34	132			01/08/2016			-79.4551	44.0186	1
1	1	34	70	26	34	96			01/08/2016			-79.4440	43.9945	1
1	1	34	100	32	34	132			01/08/2016			-79.4837	43.9820	1
1	1	34	100	32	34	132			01/08/2016			-79.4836	43.9812	1
1	1	34	100	32	34	132			01/08/2016			-79.4564	44.0184	1
1	1	34	100	32	34	132			01/08/2016			-79.4831	43.9852	1
1	1	34	70	26	34	96			01/08/2016			-79.4459	43.9976	1
1	1	34	100	32	34	132			01/08/2016			-79.4841	43.9848	1
1	1	34	70	26	34	96			01/08/2016			-79.4440	43.9964	1
1	1	34	70	26	34	96			01/08/2016			-79.4437	43.9960	1
1	1	34	100	32	34	132			01/08/2016			-79.4853	43.9845	1
1	1	34	100	32	34	132			01/08/2016			-79.4843	43.9806	1
1	1	34	70	26	34	96			01/08/2016			-79.4425	43.9944	1
1	1	34	70	26	34	96			01/08/2016			-79.4432	43.9954	1
1	1	34	70	26	34	96			01/08/2016			-79.4425	43.9948	1
1	1	34	100	32	34	132			01/08/2016			-79.4576	44.0181	1
1	1	34	100	32	34	132			01/08/2016			-79.4855	43.9843	1
1	1	34	100	32	34	132			01/08/2016			-79.4852	43.9807	1
1	1	34	100	32	34	132			01/08/2016			-79.4570	44.0182	1
1	1	34	100	32	34	132			01/08/2016			-79.4853	43.9835	1
1	1	34	100	32	34	132			01/08/2016			-79.4582	44.0180	1
1	1	34	70	26	34	96			01/08/2016			-79.4433	43.9958	1
1	1	34	70	26	34	96			01/08/2016			-79.4427	43.9951	1
1	1	34	70	26	34	96			01/08/2016			-79.4445	43.9972	1
1	1	34	70	26	34	96			01/08/2016			-79.4442	43.9968	1
1	1	34	100	32	34	132			01/08/2016			-79.4528	44.0190	1
1	1	34	100	32	34	132			01/08/2016			-79.4859	43.9831	1
1	1	34	100	32	34	132			01/08/2016			-79.4526	44.0182	1
1	1	34	100	32	34	132			01/08/2016			-79.4559	44.0221	1
1	1	34	100	32	34	132			01/08/2016			-79.4847	43.9805	1
1	1	34	100	32	34	132			01/08/2016			-79.4871	43.9830	1
1	1	34	70	26	34	96			01/08/2016			-79.4448	43.9974	1
1	1	34	100	32	34	132			01/08/2016			-79.4547	44.0224	1
1	1	34	100	32	34	132			01/08/2016			-79.4529	44.0158	1
1	1	34	100	32	34	132			01/08/2016			-79.4878	43.9827	1
1	1	34	100	32	34	132			01/08/2016			-79.4820	43.9868	2
1	1	34	70	26	34	96			01/08/2016			-79.4453	43.9976	1
1	1	34	100	32	34	132			01/08/2016			-79.4527	44.0151	1
1	1	34	70	26	34	96			01/08/2016			-79.4462	43.9979	1
1	1	34	100	32	34	132			01/08/2016			-79.4531	44.0163	1
1	1	34	70	26	34	96			01/08/2016			-79.4469	43.9969	1
1	1	34	100	32	34	132			01/08/2016			-79.4846	43.9799	1
1	1	34	100	32	34	132			01/08/2016			-79.4525	44.0145	1
1	1	34	100	32	34	132			01/08/2016			-79.4543	44.0231	1
1	1	34	70	26	34	96			01/08/2016			-79.4453	43.9965	1
1	1	34	100	32	34	132			01/08/2016			-79.4524	44.0140	1
1	1	34	70	26	34	96			01/08/2016			-79.4442	43.9965	1
1	1	34	100	32	34	132			01/08/2016			-79.4852	43.9792	1
1	1	34	100	32	34	132			01/08/2016			-79.4525	44.0149	1
1	1	34	100	32	34	132			01/08/2016			-79.4549	44.0239	1
1	1	34	100	32	34	132			01/08/2016			-79.4523	44.0143	1
1	1	34	100	32	34	132			01/08/2016			-79.4554	44.0248	1
1	1	34	100	32	34	132			01/08/2016			-79.4860	43.9789	1
1	1	34	100	32	34	132			01/08/2016			-79.4527	44.0155	1
1	1	34	70	26	34	96			01/08/2016			-79.4447	43.9965	1

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Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	100	32	34	132			01/08/2016			-79.4564	44.0251	1
1	1	34	100	32	34	132			01/08/2016			-79.4529	44.0161	1
1	1	34	70	26	34	96			01/08/2016			-79.4457	43.9967	1
1	1	34	100	32	34	132			01/08/2016			-79.4574	44.0246	1
1	1	34	100	32	34	132			01/08/2016			-79.4871	43.9781	1
1	1	34	70	26	34	96			01/08/2016			-79.4463	43.9969	1
1	1	34	70	26	34	96			01/08/2016			-79.4471	43.9973	1
1	1	34	100	32	34	132			01/08/2016			-79.4577	44.0237	1
1	1	34	70	26	34	96			01/08/2016			-79.4490	43.9973	2
1	1	34	100	32	34	132			01/08/2016			-79.4514	44.0149	2
1	1	34	100	32	34	132			01/08/2016			-79.4568	44.0230	1
1	1	34	70	26	34	96			01/08/2016			-79.4487	43.9969	1
1	1	34	100	32	34	132			01/08/2016			-79.4461	43.9998	1
1	1	34	100	32	34	132			2016-13-01			-79.4460	43.9994	1
1	1	34	100	32	34	132			2016-13-01			-79.4457	43.9992	1
1	1	34	100	32	34	132			2016-13-01			-79.4436	44.0002	1
1	1	34	100	32	34	132			2016-13-01			-79.4434	43.9998	1
1	1	34	100	32	34	132			2016-13-01			-79.4432	43.9991	1
1	1	34	70	26	34	96			2016-13-01			-79.4666	43.9981	2
1	1	34	100	32	34	132			2016-13-01			-79.4670	43.9980	2
1	1	34	100	32	34	132			2016-13-01			-79.4431	43.9987	1
1	1	34	100	32	34	132			2016-13-01			-79.4429	43.9984	2
1	1	34	100	32	34	132			2016-13-01			-79.4426	43.9985	2
1	1	34	100	32	34	132			2016-13-01			-79.4432	43.9994	1
1	1	34	100	32	34	132			2016-13-01			-79.4828	43.9790	1
1	1	34	70	26	34	96			2016-13-01			-79.4659	43.9982	2
1	1	34	70	26	34	96			2016-13-01			-79.4656	43.9983	2
1	1	34	100	32	34	132			2016-13-01			-79.4433	44.0001	1
1	1	34	100	32	34	132			2016-13-01			-79.4440	44.0004	1
1	1	34	100	32	34	132			2016-13-01			-79.4835	43.9785	1
1	1	34	70	26	34	96			2016-13-01			-79.4643	43.9986	1
1	1	34	70	26	34	96			2016-13-01			-79.4639	43.9987	1
1	1	34	100	32	34	132			2016-13-01			-79.4834	43.9778	1
1	1	34	70	26	34	96			2016-13-01			-79.4648	43.9985	1
1	1	34	100	32	34	132			2016-13-01			-79.4830	43.9776	2
1	1	34	70	26	34	96			2016-13-01			-79.4630	43.9989	1
1	1	34	100	32	34	132			2016-13-01			-79.4819	43.9779	1
1	1	34	100	32	34	132			2016-13-01			-79.4825	43.9779	1
1	1	34	100	32	34	132			2016-13-01			-79.4445	44.0008	1
1	1	34	100	32	34	132			2016-13-01			-79.4443	44.0012	2
1	1	34	100	32	34	132			2016-13-01			-79.4831	43.9787	1
1	1	34	70	26	34	96			2016-13-01			-79.4625	43.9990	1
1	1	34	100	32	34	132			2016-13-01			-79.4834	43.9782	1
1	1	34	100	32	34	132			2016-13-01			-79.4444	44.0018	1
1	1	34	100	32	34	132			2016-13-01			-79.4823	43.9788	1
1	1	34	100	32	34	132			2016-13-01			-79.4439	44.0020	1
1	1	34	100	32	34	132			2016-13-01			-79.4819	43.9780	1
1	1	34	70	26	34	96			2016-13-01			-79.4612	43.9992	1
1	1	34	100	32	34	132			2016-13-01			-79.4444	44.0020	1
1	1	34	70	26	34	96			2016-13-01			-79.4608	43.9993	1
1	1	34	100	32	34	132			2016-13-01			-79.4447	44.0025	1
1	1	34	100	32	34	132			2016-13-01			-79.4879	43.9776	1
1	1	34	100	32	34	132			2016-13-01			-79.4460	44.0030	2
1	1	34	100	32	34	132			2016-13-01			-79.4458	44.0032	2
1	1	34	100	32	34	132			2016-13-01			-79.4882	43.9784	1
1	1	34	100	32	34	132			2016-13-01			-79.4450	44.0032	1
1	1	34	100	32	34	132			2016-13-01			-79.4600	43.9992	1
1	1	34	100	32	34	132			2016-13-01			-79.4888	43.9790	1
1	1	34	100	32	34	132			2016-13-01			-79.4896	43.9796	1
1	1	34	100	32	34	132			2016-13-01			-79.4457	44.0023	1
1	1	34	100	32	34	132			2016-13-01			-79.4892	43.9799	1
1	1	34	100	32	34	132			2016-13-01			-79.4599	43.9990	1
1	1	34	100	32	34	132			2016-13-01			-79.4455	44.0017	1
1	1	34	100	32	34	132			2016-13-01			-79.4880	43.9803	1
1	1	34	100	32	34	132			2016-13-01			-79.4869	43.9807	1
1	1	34	200	41	34	241			2016-13-01			-79.4457	44.0010	1
1	1	34	100	32	34	132			2016-13-01			-79.4601	43.9995	1
1	1	34	100	32	34	132			2016-13-01			-79.4834	43.9802	1
1	1	34	100	32	34	132			2016-13-01			-79.4858	43.9807	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
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Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	100	32	34	132			2016-13-01			-79.4452	44.0013	1
1	1	34	100	32	34	132			2016-13-01			-79.4598	43.9988	1
1	1	34	100	32	34	132			2016-13-01			-79.4452	44.0010	1
1	1	34	100	32	34	132			2016-13-01			-79.4826	43.9798	1
1	1	34	100	32	34	132			2016-13-01			-79.4596	43.9982	1
1	1	34	100	32	34	132			2016-13-01			-79.4454	44.0020	1
1	1	34	100	32	34	132			2016-13-01			-79.4595	43.9979	1
1	1	34	100	32	34	132			2016-13-01			-79.4454	44.0031	1
1	1	34	100	32	34	132			2016-13-01			-79.4597	43.9984	1
1	1	34	100	32	34	132			2016-13-01			-79.4457	44.0026	1
1	1	34	100	32	34	132			2016-13-01			-79.4864	43.9809	1
1	1	34	100	32	34	132			2016-13-01			-79.4450	44.0029	1
1	1	34	100	32	34	132			2016-13-01			-79.4447	44.0022	1
1	1	34	100	32	34	132			2016-13-01			-79.4594	43.9975	1
1	1	34	70	26	34	96			2016-13-01			-79.4644	43.9970	1
1	1	34	100	32	34	132			2016-13-01			-79.4821	43.9798	1
1	1	34	100	32	34	132			2016-13-01			-79.4875	43.9806	1
1	1	34	70	26	34	96			2016-13-01			-79.4640	43.9971	1
1	1	34	100	32	34	132			2016-13-01			-79.4448	44.0010	1
1	1	34	100	32	34	132			2016-13-01			-79.4445	44.0014	1
1	1	34	70	26	34	96			2016-13-01			-79.4635	43.9972	1
1	1	34	70	26	34	96			2016-13-01			-79.4631	43.9973	1
1	1	34	70	26	34	96			2016-13-01			-79.4625	43.9974	1
1	1	34	70	26	34	96			2016-13-01			-79.4620	43.9975	1
1	1	34	100	32	34	132			2016-13-01			-79.4886	43.9781	1
1	1	34	100	32	34	132			2016-13-01			-79.4891	43.9773	1
1	1	34	100	32	34	132			2016-13-01			-79.4888	43.9765	1
1	1	34	70	26	34	96			2016-13-01			-79.4616	43.9976	1
1	1	34	100	32	34	132			2016-13-01			-79.4512	44.0239	1
1	1	34	100	32	34	132			2016-13-01			-79.4888	43.9770	1
1	1	34	100	32	34	132			2016-13-01			-79.4613	43.9977	1
1	1	34	100	32	34	132			2016-13-01			-79.4515	44.0237	1
1	1	34	100	32	34	132			2016-13-01			-79.4885	43.9764	1
1	1	34	100	32	34	132			2016-13-01			-79.4511	44.0233	1
1	1	34	70	26	34	96			2016-13-01			-79.4606	43.9978	1
1	1	34	70	26	34	96			2016-13-01			-79.4602	43.9979	1
1	1	34	100	32	34	132			2016-13-01			-79.4890	43.9777	1
1	1	34	100	32	34	132			2016-13-01			-79.4882	43.9780	1
1	1	34	100	32	34	132			2016-13-01			-79.4504	44.0238	1
1	1	34	100	32	34	132			2016-13-01			-79.4500	44.0233	1
1	1	34	100	32	34	132			2016-13-01			-79.4890	43.9779	1
1	1	34	100	32	34	132			2016-13-01			-79.4605	44.0009	1
1	1	34	100	32	34	132			2016-13-01			-79.4496	44.0233	1
1	1	34	100	32	34	132			2016-13-01			-79.4597	43.9980	1
1	1	34	100	32	34	132			2016-13-01			-79.4879	43.9772	1
1	1	34	100	32	34	132			2016-13-01			-79.4487	44.0244	1
1	1	34	100	32	34	132			2016-13-01			-79.4887	43.9802	1
1	1	34	100	32	34	132			2016-13-01			-79.4497	44.0243	1
1	1	34	100	32	34	132			2016-13-01			-79.4603	44.0003	1
1	1	34	100	32	34	132			2016-13-01			-79.4897	43.9798	1
1	1	34	100	32	34	132			2016-13-01			-79.4604	44.0006	1
1	1	34	100	32	34	132			2016-13-01			-79.4503	44.0241	1
1	1	34	100	32	34	132			2016-13-01			-79.4492	44.0242	1
1	1	34	100	32	34	132			2016-13-01			-79.4484	44.0239	1
1	1	34	100	32	34	132			2016-13-01			-79.4602	44.0001	1
1	1	34	100	32	34	132			2016-13-01			-79.4886	43.9787	1
1	1	34	100	32	34	132			2016-13-01			-79.4485	44.0242	1
1	1	34	100	32	34	132			2016-13-01			-79.4602	43.9998	1
1	1	34	70	26	34	96			2016-13-01			-79.4501	44.0236	1
1	1	34	100	32	34	132			2016-13-01			-79.4605	43.9976	1
1	1	34	100	32	34	132			2016-13-01			-79.4492	44.0236	1
1	1	34	100	32	34	132			2016-13-01			-79.4507	44.0241	1
1	1	34	100	32	34	132			2016-13-01			-79.4893	43.9792	1
1	1	34	100	32	34	132			2016-13-01			-79.4604	43.9972	1
1	1	34	100	32	34	132			2016-13-01			-79.4871	43.9773	1
1	1	34	100	32	34	132			2016-13-01			-79.4504	44.0243	1
1	1	34	70	26	34	96			2016-13-01			-79.4644	43.9963	1
1	1	34	70	26	34	96			2016-13-01			-79.4647	43.9963	1
1	1	34	100	32	34	132			2016-13-01			-79.4507	44.0246	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
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Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	70	26	34	96			2016-13-01			-79.4638	43.9960	1
1	1	34	70	26	34	96			2016-13-01			-79.4634	43.9961	1
1	1	34	100	32	34	132			2016-13-01			-79.4837	43.9872	1
1	1	34	100	32	34	132			2016-13-01			-79.4845	43.9872	1
1	1	34	100	32	34	132			2016-13-01			-79.4518	44.0239	1
1	1	34	100	32	34	132			2016-13-01			-79.4835	43.9874	1
1	1	34	70	26	34	96			2016-13-01			-79.4621	43.9964	1
1	1	34	70	26	34	96			2016-13-01			-79.4613	43.9966	1
1	1	34	100	32	34	132			2016-13-01			-79.4824	43.9873	1
1	1	34	100	32	34	132			2016-13-01			-79.4818	43.9874	1
1	1	34	70	26	34	96			2016-13-01			-79.4609	43.9967	1
1	1	34	100	32	34	132			2016-13-01			-79.4604	43.9965	1
1	1	34	100	32	34	132			2016-13-01			-79.4829	43.9875	1
1	1	34	100	32	34	132			2016-13-01			-79.4839	43.9875	1
1	1	34	100	32	34	132			2016-13-01			-79.4850	43.9872	1
1	1	34	100	32	34	132			2016-13-01			-79.4603	43.9962	1
1	1	34	70	26	34	96			2016-13-01			-79.4607	43.9959	1
1	1	34	100	32	34	132			2016-13-01			-79.4601	43.9955	1
1	1	34	70	26	34	96			2016-13-01			-79.4611	43.9958	1
1	1	34	70	26	34	96			2016-13-01			-79.4616	43.9957	1
1	1	38	100	32	38	132			2016-14-01			-79.4590	43.9808	4
1	1	38	100	32	38	132			2016-14-01			-79.4545	43.9777	4
1	1	38	100	32	38	132			2016-14-01			-79.4523	44.0237	4
1	1	34	100	32	34	132			2016-14-01			-79.4614	43.9983	1
1	1	34	100	32	34	132			2016-14-01			-79.4615	43.9986	1
1	1	34	100	32	34	132			2016-14-01			-79.4505	44.0250	1
1	1	34	100	32	34	132			2016-14-01			-79.4616	43.9989	1
1	1	34	100	32	34	132			2016-14-01			-79.4503	44.0257	1
1	1	34	100	32	34	132			2016-14-01			-79.4617	43.9992	2
1	1	38	100	32	38	132			2016-14-01			-79.4562	43.9754	4
1	1	34	100	32	34	132			2016-14-01			-79.4494	44.0260	1
1	1	34	100	32	34	132			2016-14-01			-79.4619	43.9998	1
1	1	34	100	32	34	132			2016-14-01			-79.4621	44.0004	1
1	1	38	100	32	38	132			2016-14-01			-79.4496	44.0264	4
1	1	34	100	32	34	132			2016-14-01			-79.4639	44.0000	1
1	1	43	100	32	43	132			2016-14-01			-79.4443	44.0007	6
1	1	43	100	32	43	132			2016-14-01			-79.4432	44.0010	6
1	1	34	100	32	34	132			2016-14-01			-79.4638	43.9998	1
1	1	43	100	32	43	132			2016-14-01			-79.4449	44.0001	6
1	1	38	100	32	38	132			2016-14-01			-79.4492	44.0250	4
1	1	43	100	32	43	132			2016-14-01			-79.4455	43.9993	6
1	1	34	100	32	34	132			2016-14-01			-79.4637	43.9995	1
1	1	34	100	32	34	132			2016-14-01			-79.4495	44.0256	1
1	1	43	100	32	43	132			2016-14-01			-79.4460	43.9986	6
1	1	43	100	32	43	132			2016-14-01			-79.4471	43.9977	6
1	1	34	100	32	34	132			2016-14-01			-79.4492	44.0253	1
1	1	34	100	32	34	132			2016-14-01			-79.4637	43.9992	1
1	1	43	100	32	43	132			2016-14-01			-79.4479	43.9972	6
1	1	34	100	32	34	132			2016-14-01			-79.4636	43.9989	2
1	1	43	100	32	43	132			2016-14-01			-79.4488	43.9966	6
1	1	43	100	32	43	132			2016-14-01			-79.4496	43.9961	6
1	1	34	100	32	34	132			2016-14-01			-79.4493	44.0258	1
1	1	34	100	32	34	132			2016-14-01			-79.4489	44.0260	1
1	1	43	100	32	43	132			2016-14-01			-79.4496	43.9945	6
1	1	43	100	32	43	132			2016-14-01			-79.4499	43.9953	6
1	1	34	100	32	34	132			2016-14-01			-79.4634	43.9984	1
1	1	34	100	32	34	132			2016-14-01			-79.4633	43.9980	1
1	1	43	100	32	43	132			2016-14-01			-79.4489	43.9939	6
1	1	34	100	32	34	132			2016-14-01			-79.4498	44.0259	1
1	1	34	100	32	34	132			2016-14-01			-79.4506	44.0253	1
1	1	38	100	32	38	132			2016-14-01			-79.4499	44.0262	4
1	1	43	100	32	43	132			2016-14-01			-79.4467	43.9932	6
1	1	43	100	32	43	132			2016-14-01			-79.4478	43.9935	6
1	1	43	100	32	43	132			2016-14-01			-79.4456	43.9934	6
1	1	34	100	32	34	132			2016-14-01			-79.4632	43.9977	1
1	1	34	100	32	34	132			2016-14-01			-79.4631	43.9974	1
1	1	43	100	32	43	132			2016-14-01			-79.4434	43.9938	6
1	1	34	100	32	34	132			2016-14-01			-79.4565	44.0227	1
1	1	43	100	32	43	132			2016-14-01			-79.4426	43.9940	6

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
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Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	100	32	34	132			2016-14-01			-79.4572	44.0235	1
1	1	34	70	26	34	96			2016-14-01			-79.4630	43.9971	1
1	1	43	100	32	43	132			2016-14-01			-79.4446	43.9936	6
1	1	43	100	32	43	132			2016-14-01			-79.4416	43.9941	6
1	1	34	100	32	34	132			2016-14-01			-79.4576	44.0242	1
1	1	43	100	32	43	132			2016-14-01			-79.4422	43.9943	6
1	1	34	100	32	34	132			2016-14-01			-79.4627	43.9962	1
1	1	43	100	32	43	132			2016-14-01			-79.4431	43.9940	6
1	1	34	70	26	34	96			2016-14-01			-79.4628	43.9965	1
1	1	34	100	32	34	132			2016-14-01			-79.4570	44.0248	1
1	1	43	100	32	43	132			2016-14-01			-79.4452	43.9936	6
1	1	43	100	32	43	132			2016-14-01			-79.4441	43.9938	6
1	1	34	100	32	34	132			2016-14-01			-79.4559	44.0251	1
1	1	34	70	26	34	96			2016-14-01			-79.4626	43.9959	1
1	1	43	100	32	43	132			2016-14-01			-79.4460	43.9934	6
1	1	34	100	32	34	132			2016-14-01			-79.4555	44.0245	1
1	1	34	70	26	34	96			2016-14-01			-79.4626	43.9957	1
1	1	43	100	32	43	132			2016-14-01			-79.4483	43.9938	6
1	1	43	100	32	43	132			2016-14-01			-79.4472	43.9935	6
1	1	34	70	26	34	96			2016-14-01			-79.4624	43.9954	1
1	1	34	100	32	34	132			2016-14-01			-79.4553	44.0244	1
1	1	43	100	32	43	132			2016-14-01			-79.4495	43.9950	6
1	1	34	70	26	34	96			2016-14-01			-79.4623	43.9950	1
1	1	34	100	32	34	132			2016-14-01			-79.4548	44.0234	1
1	1	34	100	32	34	132			2016-14-01			-79.4561	44.0237	1
1	1	34	100	32	34	132			2016-14-01			-79.4556	44.0228	1
1	1	43	100	32	43	132			2016-14-01			-79.4491	43.9942	6
1	1	34	70	26	34	96			2016-14-01			-79.4621	43.9944	2
1	1	43	100	32	43	132			2016-14-01			-79.4496	43.9957	6
1	1	34	70	26	34	96			2016-14-01			-79.4620	43.9939	1
1	1	43	100	32	43	132			2016-14-01			-79.4482	43.9968	6
1	1	34	70	26	34	96			2016-14-01			-79.4619	43.9935	1
1	1	43	100	32	43	132			2016-14-01			-79.4474	43.9973	6
1	1	34	70	26	34	96			2016-14-01			-79.4610	43.9934	1
1	1	43	100	32	43	132			2016-14-01			-79.4491	43.9963	6
1	1	43	100	32	43	132			2016-14-01			-79.4465	43.9978	6
1	1	34	70	26	34	96			2016-14-01			-79.4601	43.9935	1
1	1	43	100	32	43	132			2016-14-01			-79.4461	43.9982	6
1	1	43	100	32	43	132			2016-14-01			-79.4455	43.9989	6
1	1	53	100	32	53	132			2016-14-01			-79.4555	44.0177	8
1	1	34	100	32	34	132			2016-14-01			-79.4588	43.9938	1
1	1	34	100	32	34	132			2016-14-01			-79.4578	43.9940	1
1	1	53	100	32	53	132			2016-14-01			-79.4551	44.0178	8
1	1	43	100	32	43	132			2016-14-01			-79.4566	44.0211	5
1	1	53	100	32	53	132			2016-14-01			-79.4556	44.0180	8
1	1	43	100	32	43	132			2016-14-01			-79.4554	44.0184	5
1	1	34	70	26	34	96			2016-14-01			-79.4628	43.9931	1
1	1	53	100	32	53	132			2016-14-01			-79.4552	44.0181	8
1	1	34	70	26	34	96			2016-14-01			-79.4623	43.9932	1
1	1	43	100	32	43	132			2016-14-01			-79.4558	44.0192	5
1	1	43	100	32	43	132			2016-14-01			-79.4560	44.0198	5
1	1	43	100	32	43	132			2016-14-01			-79.4563	44.0204	5
1	1	43	100	32	43	132			2016-14-01			-79.4564	44.0208	5
1	1	43	100	32	43	132			2016-14-01			-79.4568	44.0210	5
1	1	43	100	32	43	132			2016-14-01			-79.4450	43.9997	6
1	1	34	70	26	34	96			2016-14-01			-79.4632	43.9930	1
1	1	43	100	32	43	132			2016-14-01			-79.4566	44.0207	5
1	1	34	70	26	34	96			2016-14-01			-79.4635	43.9929	1
1	1	43	100	32	43	132			2016-14-01			-79.4565	44.0203	5
1	1	43	100	32	43	132			2016-14-01			-79.4444	44.0004	6
1	1	43	100	32	43	132			2016-14-01			-79.4437	44.0007	6
1	1	34	70	26	34	96			2016-14-01			-79.4643	43.9927	1
1	1	34	70	26	34	96			2016-14-01			-79.4651	43.9926	1
1	1	43	100	32	43	132			2016-14-01			-79.4563	44.0200	5
1	1	38	100	32	38	132			2016-14-01			-79.4874	43.9766	4
1	1	34	100	32	34	132			2016-14-01			-79.4648	43.9915	1
1	1	38	100	32	38	132			2016-14-01			-79.4434	44.0022	4
1	1	34	100	32	34	132			2016-14-01			-79.4654	43.9914	1
1	1	38	100	32	38	132			2016-14-01			-79.4435	44.0020	4

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
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Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	43	100	32	43	132			2016-14-01			-79.4561	44.0194	5
1	1	43	100	32	43	132			2016-14-01			-79.4558	44.0188	5
1	1	34	100	32	34	132			2016-14-01			-79.4645	43.9916	1
1	1	34	100	32	34	132			2016-14-01			-79.4641	43.9916	1
1	1	34	100	32	34	132			2016-14-01			-79.4633	43.9918	1
1	1	34	100	32	34	132			2016-14-01			-79.4637	43.9917	1
1	1	38	100	32	38	132			2016-14-01			-79.4869	43.9798	4
1	1	34	100	32	34	132			2016-14-01			-79.4271	43.9723	1
1	1	34	100	32	34	132			2016-14-01			-79.4275	43.9736	1
1	1	34	70	26	34	96			2016-14-01			-79.4629	43.9919	2
1	1	34	100	32	34	132			2016-14-01			-79.4623	43.9920	1
1	1	34	100	32	34	132			2016-14-01			-79.4292	43.9742	1
1	1	34	100	32	34	132			2016-14-01			-79.4268	43.9746	1
1	1	34	100	32	34	132			2016-14-01			-79.4617	43.9922	1
1	1	34	100	32	34	132			2016-14-01			-79.4611	43.9923	1
1	1	34	100	32	34	132			2016-14-01			-79.4276	43.9745	1
1	1	34	100	32	34	132			2016-14-01			-79.4280	43.9742	1
1	1	38	100	32	38	132			2016-14-01			-79.4884	43.9826	4
1	1	34	100	32	34	132			2016-14-01			-79.4606	43.9924	1
1	1	34	100	32	34	132			2016-14-01			-79.4601	43.9925	1
1	1	34	100	32	34	132			2016-14-01			-79.4337	43.9720	2
1	1	34	100	32	34	132			2016-14-01			-79.4596	43.9926	1
1	1	34	100	32	34	132			2016-14-01			-79.4591	43.9927	2
1	1	34	100	32	34	132			2016-14-01			-79.4589	43.9921	1
1	1	38	100	32	38	132			2016-14-01			-79.4836	43.9867	4
1	1	34	100	32	34	132			2016-14-01			-79.4604	44.0011	2
1	1	34	70	26	34	96			2016-15-01			-79.4649	43.9968	2
1	1	34	70	26	34	96			2016-15-01			-79.4648	43.9965	1
1	1	34	70	26	34	96			2016-15-01			-79.4651	43.9978	2
1	1	34	70	26	34	96			2016-15-01			-79.4650	43.9974	2
1	1	34	70	26	34	96			2016-15-01			-79.4652	43.9981	1
1	1	34	100	32	34	132			2016-15-01			-79.4652	43.9984	2
1	1	34	70	26	34	96			2016-15-01			-79.4653	43.9985	1
1	1	34	100	32	34	132			2016-15-01			-79.4654	43.9988	1
1	1	34	100	32	34	132			2016-15-01			-79.4951	44.0030	1
1	1	34	70	26	34	96			2016-15-01			-79.4655	43.9997	1
1	1	34	100	32	34	132			2016-15-01			-79.4655	43.9994	1
1	1	34	100	32	34	132			2016-15-01			-79.4952	44.0037	1
1	1	34	70	26	34	96			2016-15-01			-79.4663	43.9968	1
1	1	34	100	32	34	132			2016-15-01			-79.4955	44.0056	1
1	1	34	70	26	34	96			2016-15-01			-79.4653	43.9970	1
1	1	34	100	32	34	132			2016-15-01			-79.4954	44.0044	1
1	1	34	100	32	34	132			2016-15-01			-79.4868	44.0104	1
1	1	34	70	26	34	96			2016-15-01			-79.4649	43.9953	1
1	1	34	70	26	34	96			2016-15-01			-79.4651	43.9962	2
1	1	34	100	32	34	132			2016-15-01			-79.4952	44.0065	1
1	1	34	70	26	34	96			2016-15-01			-79.4645	43.9950	1
1	1	34	100	32	34	132			2016-15-01			-79.4958	44.0053	1
1	1	34	70	26	34	96			2016-15-01			-79.4650	43.9956	1
1	1	34	70	26	34	96			2016-15-01			-79.4641	43.9951	1
1	1	34	100	32	34	132			2016-15-01			-79.4891	44.0089	1
1	1	34	100	32	34	132			2016-15-01			-79.4955	44.0061	1
1	1	34	70	26	34	96			2016-15-01			-79.4621	43.9956	1
1	1	34	70	26	34	96			2016-15-01			-79.4648	43.9950	1
1	1	34	70	26	34	96			2016-15-01			-79.4626	43.9955	1
1	1	34	70	26	34	96			2016-15-01			-79.4634	43.9953	1
1	1	34	100	32	34	132			2016-15-01			-79.4957	44.0048	1
1	1	34	100	32	34	132			2016-15-01			-79.4886	44.0090	1
1	1	34	100	32	34	132			2016-15-01			-79.4882	44.0091	1
1	1	34	100	32	34	132			2016-15-01			-79.4955	44.0041	1
1	1	34	100	32	34	132			2016-15-01			-79.4646	43.9906	1
1	1	34	100	32	34	132			2016-15-01			-79.4641	43.9907	1
1	1	34	100	32	34	132			2016-15-01			-79.4954	44.0033	1
1	1	34	100	32	34	132			2016-15-01			-79.4951	44.0026	1
1	1	34	100	32	34	132			2016-15-01			-79.4879	44.0092	1
1	1	34	100	32	34	132			2016-15-01			-79.4632	43.9909	1
1	1	34	100	32	34	132			2016-15-01			-79.4637	43.9908	1
1	1	34	100	32	34	132			2016-15-01			-79.4629	43.9910	1
1	1	34	100	32	34	132			2016-15-01			-79.4624	43.9911	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

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Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	100	32	34	132			2016-15-01			-79.4619	43.9912	1
1	1	34	100	32	34	132			2016-15-01			-79.4930	44.0033	1
1	1	34	100	32	34	132			2016-15-01			-79.4873	44.0093	1
1	1	34	100	32	34	132			2016-15-01			-79.4616	43.9912	1
1	1	34	100	32	34	132			2016-15-01			-79.4932	44.0038	1
1	1	34	100	32	34	132			2016-15-01			-79.4868	44.0095	1
1	1	34	100	32	34	132			2016-15-01			-79.4608	43.9914	1
1	1	34	100	32	34	132			2016-15-01			-79.4605	43.9915	1
1	1	34	100	32	34	132			2016-15-01			-79.4612	43.9913	1
1	1	34	100	32	34	132			2016-15-01			-79.4919	44.0050	1
1	1	34	100	32	34	132			2016-15-01			-79.4635	43.9943	2
1	1	34	100	32	34	132			2016-15-01			-79.4863	44.0096	1
1	1	34	100	32	34	132			2016-15-01			-79.4928	44.0045	1
1	1	34	70	26	34	96			2016-15-01			-79.4631	43.9943	1
1	1	34	70	26	34	96			2016-15-01			-79.4626	43.9944	1
1	1	34	70	26	34	96			2016-15-01			-79.4614	43.9947	1
1	1	34	70	26	34	96			2016-15-01			-79.4618	43.9946	1
1	1	34	100	32	34	132			2016-15-01			-79.4912	44.0047	1
1	1	34	150	36	34	186			2016-15-01			-79.4611	43.9947	1
1	1	34	100	32	34	132			2016-15-01			-79.4915	44.0051	1
1	1	34	70	26	34	96			2016-15-01			-79.4607	43.9948	1
1	1	34	100	32	34	132			2016-15-01			-79.4856	44.0097	2
1	1	34	70	26	34	96			2016-15-01			-79.4603	43.9949	1
1	1	34	100	32	34	132			2016-15-01			-79.4858	44.0102	1
1	1	34	100	32	34	132			2016-15-01			-79.4599	43.9952	1
1	1	34	100	32	34	132			2016-15-01			-79.4597	43.9944	1
1	1	34	100	32	34	132			2016-15-01			-79.4931	44.0042	1
1	1	34	100	32	34	132			2016-15-01			-79.4935	44.0035	1
1	1	34	100	32	34	132			2016-15-01			-79.4863	44.0105	1
1	1	34	150	36	34	186			2016-15-01			-79.4601	43.9899	1
1	1	34	100	32	34	132			2016-15-01			-79.4598	43.9905	1
1	1	34	100	32	34	132			2016-15-01			-79.4595	43.9937	1
1	1	34	100	32	34	132			2016-15-01			-79.4943	44.0075	1
1	1	34	70	26	34	96			2016-15-01			-79.4632	43.9927	1
1	1	34	100	32	34	132			2016-15-01			-79.4950	44.0070	1
1	1	34	70	26	34	96			2016-15-01			-79.4630	43.9922	1
1	1	34	70	26	34	96			2016-15-01			-79.4627	43.9916	1
1	1	34	100	32	34	132			2016-15-01			-79.4923	44.0082	1
1	1	34	100	32	34	132			2016-15-01			-79.4597	43.9910	1
1	1	34	100	32	34	132			2016-15-01			-79.4601	43.9907	1
1	1	34	100	32	34	132			2016-15-01			-79.4934	44.0080	1
1	1	34	150	36	34	186			2016-18-01			-79.4668	43.9925	1
1	1	34	100	32	34	132			2016-18-01			-79.4660	43.9927	2
1	1	34	150	36	34	186			2016-18-01			-79.4674	43.9932	1
1	1	38	100	32	38	132			2016-18-01			-79.4964	44.0079	4
1	1	34	150	36	34	186			2016-18-01			-79.4676	43.9937	1
1	1	34	100	32	34	132			2016-18-01			-79.4961	44.0075	1
1	1	34	150	36	34	186			2016-18-01			-79.4676	43.9941	1
1	1	34	100	32	34	132			2016-18-01			-79.4961	44.0070	1
1	1	34	100	32	34	132			2016-18-01			-79.4679	43.9950	1
1	1	34	100	32	34	132			2016-18-01			-79.4958	44.0065	1
1	1	34	100	32	34	132			2016-18-01			-79.4679	43.9953	1
1	1	34	100	32	34	132			2016-18-01			-79.4963	44.0066	1
1	1	34	100	32	34	132			2016-18-01			-79.4684	43.9981	1
1	1	34	150	36	34	186			2016-18-01			-79.4686	43.9991	2
1	1	38	100	32	38	132			2016-18-01			-79.4942	44.0086	4
1	1	34	100	32	34	132			2016-18-01			-79.4940	44.0083	2
1	1	34	150	36	34	186			2016-18-01			-79.4686	43.9987	1
1	1	34	100	32	34	132			2016-18-01			-79.4686	43.9984	1
1	1	38	100	32	38	132			2016-18-01			-79.4921	44.0090	4
1	1	34	100	32	34	132			2016-18-01			-79.4684	43.9977	1
1	1	38	100	32	38	132			2016-18-01			-79.4924	44.0066	4
1	1	34	150	36	34	186			2016-18-01			-79.4683	43.9974	1
1	1	34	100	32	34	132			2016-18-01			-79.4916	44.0078	1
1	1	34	100	32	34	132			2016-18-01			-79.4913	44.0069	1
1	1	34	100	32	34	132			2016-18-01			-79.4683	43.9972	1
1	1	34	100	32	34	132			2016-18-01			-79.4682	43.9969	1
1	1	34	100	32	34	132			2016-18-01			-79.4681	43.9966	1
1	1	34	100	32	34	132			2016-18-01			-79.4879	44.0102	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

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Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	100	32	34	132			2016-18-01			-79.4681	43.9964	1
1	1	34	100	32	34	132			2016-18-01			-79.4874	44.0103	1
1	1	34	100	32	34	132			2016-18-01			-79.4680	43.9960	1
1	1	34	150	36	34	186			2016-18-01			-79.4680	43.9956	1
1	1	34	100	32	34	132			2016-18-01			-79.4885	44.0100	1
1	1	34	70	26	34	96			2016-18-01			-79.4690	43.9944	1
1	1	34	100	32	34	132			2016-18-01			-79.4890	44.0099	1
1	1	34	70	26	34	96			2016-18-01			-79.4685	43.9945	1
1	1	34	70	26	34	96			2016-18-01			-79.4897	44.0098	1
1	1	34	150	36	34	186			2016-18-01			-79.4678	43.9947	2
1	1	34	100	32	34	132			2016-18-01			-79.4903	44.0096	1
1	1	34	70	26	34	96			2016-18-01			-79.4671	43.9948	1
1	1	34	70	26	34	96			2016-18-01			-79.4668	43.9949	1
1	1	34	100	32	34	132			2016-18-01			-79.4908	44.0095	1
1	1	34	100	32	34	132			2016-18-01			-79.4908	44.0092	1
1	1	34	100	32	34	132			2016-18-01			-79.4602	43.9915	1
1	1	34	100	32	34	132			2016-19-01			-79.4726	43.9981	1
1	1	34	100	32	34	132			2016-19-01			-79.4725	43.9975	1
1	1	34	100	32	34	132			2016-19-01			-79.4724	43.9971	1
1	1	34	100	32	34	132			2016-19-01			-79.4906	44.0088	1
1	1	34	100	32	34	132			2016-19-01			-79.4723	43.9967	1
1	1	34	100	32	34	132			2016-19-01			-79.4722	43.9965	1
1	1	34	100	32	34	132			2016-19-01			-79.4690	44.0158	1
1	1	34	100	32	34	132			2016-19-01			-79.4685	44.0161	1
1	1	34	100	32	34	132			2016-19-01			-79.4722	43.9962	1
1	1	34	100	32	34	132			2016-19-01			-79.4918	44.0084	1
1	1	34	100	32	34	132			2016-19-01			-79.4722	43.9960	1
1	1	34	100	32	34	132			2016-19-01			-79.4929	44.0082	1
1	1	34	100	32	34	132			2016-19-01			-79.4941	44.0079	1
1	1	34	100	32	34	132			2016-19-01			-79.4721	43.9956	1
1	1	34	100	32	34	132			2016-19-01			-79.4683	44.0164	1
1	1	34	100	32	34	132			2016-19-01			-79.4687	44.0166	2
1	1	34	100	32	34	132			2016-19-01			-79.4719	43.9950	1
1	1	34	100	32	34	132			2016-19-01			-79.4948	44.0074	1
1	1	34	100	32	34	132			2016-19-01			-79.4718	43.9947	1
1	1	34	100	32	34	132			2016-19-01			-79.4955	44.0068	1
1	1	34	100	32	34	132			2016-19-01			-79.4716	43.9938	1
1	1	34	100	32	34	132			2016-19-01			-79.4674	44.0163	1
1	1	34	100	32	34	132			2016-19-01			-79.4679	44.0161	1
1	1	34	100	32	34	132			2016-19-01			-79.4907	44.0085	1
1	1	34	100	32	34	132			2016-19-01			-79.4664	44.0166	1
1	1	34	100	32	34	132			2016-19-01			-79.4661	44.0168	1
1	1	34	100	32	34	132			2016-19-01			-79.4717	43.9943	1
1	1	34	100	32	34	132			2016-19-01			-79.4912	44.0084	1
1	1	34	100	32	34	132			2016-19-01			-79.4660	44.0171	1
1	1	34	100	32	34	132			2016-19-01			-79.4660	44.0175	1
1	1	34	100	32	34	132			2016-19-01			-79.4719	43.9954	1
1	1	34	100	32	34	132			2016-19-01			-79.4654	44.0176	1
1	1	34	100	32	34	132			2016-19-01			-79.4650	44.0180	1
1	1	34	100	32	34	132			2016-19-01			-79.4897	44.0088	1
1	1	34	100	32	34	132			2016-19-01			-79.4650	44.0184	1
1	1	34	100	32	34	132			2016-19-01			-79.4902	44.0087	1
1	1	34	70	26	34	96			2016-19-01			-79.4754	43.9946	1
1	1	34	100	32	34	132			2016-19-01			-79.4650	44.0172	1
1	1	34	100	32	34	132			2016-19-01			-79.4650	44.0163	1
1	1	34	100	32	34	132			2016-19-01			-79.4649	44.0159	1
1	1	34	100	32	34	132			2016-19-01			-79.4879	44.0080	1
1	1	34	70	26	34	96			2016-19-01			-79.4750	43.9947	1
1	1	34	100	32	34	132			2016-19-01			-79.4653	44.0160	1
1	1	34	100	32	34	132			2016-19-01			-79.4658	44.0158	1
1	1	34	100	32	34	132			2016-19-01			-79.4883	44.0078	1
1	1	34	100	32	34	132			2016-19-01			-79.4664	44.0158	1
1	1	34	100	32	34	132			2016-19-01			-79.4669	44.0155	1
1	1	34	100	32	34	132			2016-19-01			-79.4675	44.0155	1
1	1	34	100	32	34	132			2016-19-01			-79.4679	44.0153	1
1	1	34	70	26	34	96			2016-19-01			-79.4742	43.9948	1
1	1	34	100	32	34	132			2016-19-01			-79.4685	44.0153	1
1	1	34	100	32	34	132			2016-19-01			-79.4649	44.0153	1
1	1	34	70	26	34	96			2016-19-01			-79.4735	43.9950	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
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Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	70	26	34	96			2016-19-01			-79.4728	43.9952	1
1	1	34	100	32	34	132			2016-19-01			-79.4869	44.0081	1
1	1	34	100	32	34	132			2016-19-01			-79.4874	44.0081	1
1	1	34	70	26	34	96			2016-19-01			-79.4724	43.9952	1
1	1	34	70	26	34	96			2016-19-01			-79.4647	43.9944	2
1	1	34	100	32	34	132			2016-19-01			-79.4858	44.0082	1
1	1	34	100	32	34	132			2016-19-01			-79.4655	44.0151	1
1	1	34	100	32	34	132			2016-19-01			-79.4650	44.0149	1
1	1	34	100	32	34	132			2016-19-01			-79.4662	44.0151	1
1	1	34	100	32	34	132			2016-19-01			-79.4863	44.0082	1
1	1	34	70	26	34	96			2016-19-01			-79.4645	43.9938	1
1	1	34	100	32	34	132			2016-19-01			-79.4667	44.0148	1
1	1	34	70	26	34	96			2016-19-01			-79.4644	43.9933	1
1	1	34	100	32	34	132			2016-19-01			-79.4848	44.0082	1
1	1	34	100	32	34	132			2016-19-01			-79.4852	44.0082	1
1	1	34	100	32	34	132			2016-19-01			-79.4596	43.9917	1
1	1	34	100	32	34	132			2016-19-01			-79.4674	44.0148	1
1	1	34	100	32	34	132			2016-19-01			-79.4680	44.0145	1
1	1	34	100	32	34	132			2016-19-01			-79.4844	44.0076	1
1	1	34	100	32	34	132			2016-19-01			-79.4592	43.9918	1
1	1	34	100	32	34	132			2016-19-01			-79.4844	44.0080	1
1	1	34	100	32	34	132			2016-19-01			-79.4589	43.9918	2
1	1	34	100	32	34	132			2016-19-01			-79.4677	44.0145	1
1	1	34	100	32	34	132			2016-19-01			-79.4686	44.0145	1
1	1	34	100	32	34	132			2016-19-01			-79.4677	44.0140	2
1	1	34	100	32	34	132			2016-19-01			-79.4672	44.0139	1
1	1	34	100	32	34	132			2016-19-01			-79.4667	44.0142	1
1	1	34	70	26	34	96			2016-20-01			-79.4657	43.9941	1
1	1	34	70	26	34	96			2016-20-01			-79.4653	43.9943	1
1	1	34	70	26	34	96			2016-20-01			-79.4650	43.9943	1
1	1	34	100	32	34	132			2016-20-01			-79.4750	43.9964	1
1	1	34	100	32	34	132			2016-20-01			-79.4748	43.9968	1
1	1	34	100	32	34	132			2016-20-01			-79.4899	44.0073	1
1	1	34	70	26	34	96			2016-20-01			-79.4745	43.9972	1
1	1	56	200	41	56	241			2016-20-01			-79.4958	44.0020	10
1	1	56	200	41	56	241			2016-20-01			-79.4951	44.0024	10
1	1	56	200	41	56	241			2016-20-01			-79.4942	44.0023	10
1	1	56	200	41	56	241			2016-20-01			-79.4938	44.0026	10
1	1	34	100	32	34	132			2016-20-01			-79.4896	44.0079	1
1	1	34	100	32	34	132			2016-20-01			-79.4743	43.9976	1
1	1	34	100	32	34	132			2016-20-01			-79.4897	44.0071	1
1	1	34	100	32	34	132			2016-20-01			-79.4740	43.9980	1
1	1	56	200	41	56	241			2016-20-01			-79.4929	44.0028	10
1	1	34	100	32	34	132			2016-20-01			-79.4896	44.0068	1
1	1	34	100	32	34	132			2016-20-01			-79.4703	43.9981	1
1	1	56	200	41	56	241			2016-20-01			-79.4927	44.0032	10
1	1	34	100	32	34	132			2016-20-01			-79.4885	44.0069	1
1	1	34	100	32	34	132			2016-20-01			-79.4890	44.0068	1
1	1	34	100	32	34	132			2016-20-01			-79.4702	43.9978	1
1	1	56	200	41	56	241			2016-20-01			-79.4919	44.0036	9
1	1	34	100	32	34	132			2016-20-01			-79.4702	43.9975	1
1	1	34	100	32	34	132			2016-20-01			-79.4881	44.0070	1
1	1	34	100	32	34	132			2016-20-01			-79.4882	44.0075	1
1	1	56	200	41	56	241			2016-20-01			-79.4916	44.0041	9
1	1	34	100	32	34	132			2016-20-01			-79.4699	43.9971	1
1	1	34	100	32	34	132			2016-20-01			-79.4877	44.0073	1
1	1	56	200	41	56	241			2016-20-01			-79.4909	44.0044	9
1	1	56	200	41	56	241			2016-20-01			-79.4905	44.0049	9
1	1	34	150	36	34	186			2016-20-01			-79.4695	43.9972	1
1	1	56	200	41	56	241			2016-20-01			-79.4896	44.0049	9
1	1	34	150	36	34	186			2016-20-01			-79.4691	43.9972	1
1	1	34	100	32	34	132			2016-20-01			-79.4688	43.9973	1
1	1	34	100	32	34	132			2016-20-01			-79.4557	43.9806	1
1	1	56	200	41	56	241			2016-20-01			-79.4890	44.0053	9
1	1	34	100	32	34	132			2016-20-01			-79.4556	43.9801	1
1	1	56	200	41	56	241			2016-20-01			-79.4882	44.0053	9
1	1	34	100	32	34	132			2016-20-01			-79.4555	43.9797	1
1	1	34	70	26	34	96			2016-20-01			-79.4677	43.9975	2
1	1	34	100	32	34	132			2016-20-01			-79.4555	43.9793	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
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Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	100	32	34	132			2016-20-01			-79.4702	43.9986	2
1	1	56	200	41	56	241			2016-20-01			-79.4876	44.0056	9
1	1	56	200	41	56	241			2016-20-01			-79.4869	44.0056	9
1	1	34	150	36	34	186			2016-20-01			-79.4704	43.9989	1
1	1	56	200	41	56	241			2016-20-01			-79.4862	44.0059	9
1	1	56	200	41	56	241			2016-20-01			-79.4855	44.0059	9
1	1	56	200	41	56	241			2016-20-01			-79.4850	44.0064	9
1	1	34	100	32	34	132			2016-20-01			-79.4553	44.0225	1
1	1	56	200	41	56	241			2016-20-01			-79.4841	44.0064	9
1	1	34	150	36	34	186			2016-20-01			-79.4749	43.9960	1
1	1	34	100	32	34	132			2016-20-01			-79.4557	44.0233	1
1	1	56	100	32	56	132			2016-20-01			-79.4837	44.0067	9
1	1	34	150	36	34	186			2016-20-01			-79.4746	43.9961	1
1	1	56	200	41	56	241			2016-20-01			-79.4834	44.0067	9
1	1	56	150	36	56	186			2016-20-01			-79.4828	44.0066	9
1	1	34	150	36	34	186			2016-20-01			-79.4737	43.9963	1
1	1	34	100	32	34	132			2016-20-01			-79.4865	44.0074	1
1	1	56	150	36	56	186			2016-20-01			-79.4822	44.0068	9
1	1	34	150	36	34	186			2016-20-01			-79.4731	43.9964	1
1	1	34	100	32	34	132			2016-20-01			-79.4854	44.0076	2
1	1	34	100	32	34	132			2016-20-01			-79.4859	44.0075	1
1	1	34	150	36	34	186			2016-20-01			-79.4727	43.9965	1
1	1	56	150	36	56	186			2016-20-01			-79.4817	44.0068	9
1	1	56	150	36	56	186			2016-20-01			-79.4814	44.0070	9
1	1	34	100	32	34	132			2016-20-01			-79.4721	43.9966	1
1	1	34	100	32	34	132			2016-20-01			-79.4853	44.0079	1
1	1	34	100	32	34	132			2016-20-01			-79.4716	43.9967	1
1	1	56	150	36	56	186			2016-20-01			-79.4806	44.0070	9
1	1	56	150	36	56	186			2016-20-01			-79.4804	44.0073	9
1	1	34	100	32	34	132			2016-20-01			-79.4873	44.0072	1
1	1	34	100	32	34	132			2016-20-01			-79.4869	44.0068	1
1	1	34	100	32	34	132			2016-20-01			-79.4866	44.0060	1
1	1	56	150	36	56	186			2016-20-01			-79.4795	44.0073	9
1	1	56	150	36	56	186			2016-20-01			-79.4794	44.0075	9
1	1	56	150	36	56	186			2016-20-01			-79.4789	44.0074	9
1	1	34	100	32	34	132			2016-21-01			-79.4661	43.9992	2
1	1	56	150	36	56	186			2016-21-01			-79.4784	44.0077	9
1	1	34	100	32	34	132			2016-21-01			-79.4659	43.9994	2
1	1	56	150	36	56	186			2016-21-01			-79.4779	44.0076	9
1	1	34	100	32	34	132			2016-21-01			-79.4656	43.9993	2
1	1	56	150	36	56	186			2016-21-01			-79.4774	44.0079	9
1	1	56	150	36	56	186			2016-21-01			-79.4769	44.0079	9
1	1	34	70	26	34	96			2016-21-01			-79.4665	44.0005	1
1	1	34	100	32	34	132			2016-21-01			-79.4709	43.9969	1
1	1	34	100	32	34	132			2016-21-01			-79.4703	43.9970	1
1	1	34	70	26	34	96			2016-21-01			-79.4660	44.0006	1
1	1	34	70	26	34	96			2016-21-01			-79.4656	44.0007	1
1	1	34	100	32	34	132			2016-21-01			-79.4839	44.0070	1
1	1	56	150	36	56	186			2016-21-01			-79.4768	44.0080	9
1	1	34	70	26	34	96			2016-21-01			-79.4651	44.0008	1
1	1	56	150	36	56	186			2016-21-01			-79.4761	44.0081	9
1	1	34	70	26	34	96			2016-21-01			-79.4643	44.0010	1
1	1	34	100	32	34	132			2016-21-01			-79.4849	44.0066	1
1	1	56	100	32	56	132			2016-21-01			-79.4758	44.0081	9
1	1	56	150	36	56	186			2016-21-01			-79.4758	44.0079	9
1	1	34	70	26	34	96			2016-21-01			-79.4640	44.0011	1
1	1	56	150	36	56	186			2016-21-01			-79.4751	44.0080	9
1	1	56	150	36	56	186			2016-21-01			-79.4747	44.0078	9
1	1	34	100	32	34	132			2016-21-01			-79.4855	44.0069	1
1	1	34	70	26	34	96			2016-21-01			-79.4636	44.0012	1
1	1	56	100	32	56	132			2016-21-01			-79.4745	44.0081	9
1	1	56	150	36	56	186			2016-21-01			-79.4741	44.0081	9
1	1	34	70	26	34	96			2016-21-01			-79.4632	44.0013	1
1	1	56	150	36	56	186			2016-21-01			-79.4735	44.0080	9
1	1	34	100	32	34	132			2016-21-01			-79.4864	44.0067	1
1	1	34	70	26	34	96			2016-21-01			-79.4628	44.0013	1
1	1	34	70	26	34	96			2016-21-01			-79.4624	44.0014	1
1	1	34	100	32	34	132			2016-21-01			-79.4857	44.0068	1
1	1	34	70	26	34	96			2016-21-01			-79.4617	44.0016	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
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Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	70	26	34	96			2016-21-01			-79.4613	44.0017	1
1	1	34	70	26	34	96			2016-21-01			-79.4609	44.0018	1
1	1	56	100	32	56	132			2016-21-01			-79.4928	43.9986	9
1	1	34	100	32	34	132			2016-21-01			-79.4852	44.0068	2
1	1	34	70	26	34	96			2016-21-01			-79.4604	44.0019	1
1	1	56	100	32	56	132			2016-21-01			-79.4922	43.9986	9
1	1	34	70	26	34	96			2016-21-01			-79.4597	44.0020	1
1	1	56	100	32	56	132			2016-21-01			-79.4911	43.9989	9
1	1	56	100	32	56	132			2016-21-01			-79.4917	43.9987	9
1	1	34	100	32	34	132			2016-21-01			-79.4676	44.0003	1
1	1	56	100	32	56	132			2016-21-01			-79.4905	43.9988	9
1	1	34	100	32	34	132			2016-21-01			-79.4874	44.0057	1
1	1	34	70	26	34	96			2016-21-01			-79.4673	44.0003	1
1	1	56	100	32	56	132			2016-21-01			-79.4902	43.9992	9
1	1	34	100	32	34	132			2016-21-01			-79.4879	44.0063	1
1	1	34	70	26	34	96			2016-21-01			-79.4669	44.0004	1
1	1	56	100	32	56	132			2016-21-01			-79.4900	43.9991	9
1	1	34	70	26	34	96			2016-21-01			-79.4647	44.0009	1
1	1	56	100	32	56	132			2016-21-01			-79.4894	43.9990	9
1	1	34	70	26	34	96			2016-21-01			-79.4592	44.0021	1
1	1	34	100	32	34	132			2016-21-01			-79.4889	44.0061	1
1	1	56	100	32	56	132			2016-21-01			-79.4891	43.9993	9
1	1	56	100	32	56	132			2016-21-01			-79.4885	43.9993	9
1	1	56	100	32	56	132			2016-21-01			-79.4881	43.9996	9
1	1	56	100	32	56	132			2016-21-01			-79.4874	43.9996	9
1	1	56	100	32	56	132			2016-21-01			-79.4870	43.9999	9
1	1	56	100	32	56	132			2016-21-01			-79.4865	43.9998	9
1	1	56	100	32	56	132			2016-21-01			-79.4861	44.0001	9
1	1	56	100	32	56	132			2016-21-01			-79.4856	44.0000	9
1	1	56	100	32	56	132			2016-21-01			-79.4850	44.0003	9
1	1	56	100	32	56	132			2016-21-01			-79.4844	44.0003	9
1	1	56	100	32	56	132			2016-21-01			-79.4839	44.0006	9
1	1	34	150	36	34	186			2016-22-01			-79.4654	44.0010	1
1	1	34	150	36	34	186			2016-22-01			-79.4656	44.0014	1
1	1	56	100	32	56	132			2016-22-01			-79.4949	43.9981	10
1	1	34	70	26	34	96			2016-22-01			-79.4652	44.0018	1
1	1	56	100	32	56	132			2016-22-01			-79.4939	43.9983	10
1	1	34	70	26	34	96			2016-22-01			-79.4649	44.0019	1
1	1	34	70	26	34	96			2016-22-01			-79.4644	44.0020	1
1	1	34	70	26	34	96			2016-22-01			-79.4587	44.0022	1
1	1	34	70	26	34	96			2016-22-01			-79.4583	44.0023	1
1	1	34	70	26	34	96			2016-22-01			-79.4602	43.9959	2
1	1	34	100	32	34	132			2016-22-01			-79.4598	43.9912	1
1	1	34	70	26	34	96			2016-22-01			-79.4640	44.0021	1
1	1	34	100	32	34	132			2016-22-01			-79.4919	43.9989	2
1	1	34	100	32	34	132			2016-22-01			-79.4877	44.0060	1
1	1	34	70	26	34	96			2016-22-01			-79.4635	44.0022	1
1	1	34	70	26	34	96			2016-22-01			-79.4631	44.0023	1
1	1	34	70	26	34	96			2016-22-01			-79.4627	44.0024	1
1	1	34	100	32	34	132			2016-22-01			-79.4885	44.0061	1
1	1	56	100	32	56	132			2016-22-01			-79.4826	44.0008	9
1	1	34	70	26	34	96			2016-22-01			-79.4623	44.0024	1
1	1	56	100	32	56	132			2016-22-01			-79.4821	44.0008	9
1	1	56	100	32	56	132			2016-22-01			-79.4832	44.0005	9
1	1	34	70	26	34	96			2016-22-01			-79.4622	44.0018	1
1	1	34	70	26	34	96			2016-22-01			-79.4621	44.0015	1
1	1	34	100	32	34	132			2016-22-01			-79.4771	44.0087	2
1	1	34	70	26	34	96			2016-22-01			-79.4675	44.0015	1
1	1	56	100	32	56	132			2016-22-01			-79.4819	44.0010	9
1	1	56	100	32	56	132			2016-22-01			-79.4813	44.0009	9
1	1	56	100	32	56	132			2016-22-01			-79.4807	44.0011	9
1	1	56	100	32	56	132			2016-22-01			-79.4802	44.0012	9
1	1	56	100	32	56	132			2016-22-01			-79.4797	44.0013	9
1	1	56	100	32	56	132			2016-22-01			-79.4791	44.0014	9
1	1	34	70	26	34	96			2016-22-01			-79.4672	44.0016	1
1	1	34	70	26	34	96			2016-22-01			-79.4667	44.0016	1
1	1	34	100	32	34	132			2016-22-01			-79.4793	44.0083	1
1	1	56	70	26	56	96			2016-22-01			-79.4786	44.0015	9
1	1	34	100	32	34	132			2016-22-01			-79.4782	44.0086	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
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Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	56	150	36	56	186			2016-22-01			-79.4782	44.0016	9
1	1	34	70	26	34	96			2016-22-01			-79.4660	44.0017	1
1	1	56	100	32	56	132			2016-22-01			-79.4778	44.0017	9
1	1	56	150	36	56	186			2016-22-01			-79.4777	44.0018	9
1	1	34	100	32	34	132			2016-22-01			-79.4803	44.0081	1
1	1	56	100	32	56	132			2016-22-01			-79.4776	44.0022	9
1	1	56	100	32	56	132			2016-22-01			-79.4775	44.0026	9
1	1	56	100	32	56	132			2016-22-01			-79.4773	44.0030	9
1	1	56	100	32	56	132			2016-22-01			-79.4772	44.0035	9
1	1	56	100	32	56	132			2016-22-01			-79.4770	44.0040	9
1	1	34	100	32	34	132			2016-22-01			-79.4651	43.9905	1
1	1	56	100	32	56	132			2016-22-01			-79.4768	44.0044	9
1	1	34	100	32	34	132			2016-22-01			-79.4814	44.0078	1
1	1	56	100	32	56	132			2016-22-01			-79.4765	44.0046	9
1	1	56	100	32	56	132			2016-22-01			-79.4759	44.0048	9
1	1	34	100	32	34	132			2016-22-01			-79.4823	44.0076	1
1	1	56	70	26	56	96			2016-22-01			-79.4754	44.0049	9
1	1	34	100	32	34	132			2016-22-01			-79.4573	43.9922	1
1	1	34	100	32	34	132			2016-22-01			-79.4827	44.0068	1
1	1	34	70	26	34	96			2016-22-01			-79.4626	43.9913	1
1	1	34	100	32	34	132			2016-22-01			-79.4618	43.9932	2
1	1	56	100	32	56	132			2016-22-01			-79.4749	44.0048	9
1	1	56	100	32	56	132			2016-22-01			-79.4742	44.0049	9
1	1	56	100	32	56	132			2016-22-01			-79.4734	44.0051	9
1	1	56	100	32	56	132			2016-22-01			-79.4728	44.0053	9
1	1	34	100	32	34	132			2016-22-01			-79.4593	43.9934	2
1	1	34	100	32	34	132			2016-22-01			-79.4808	44.0078	1
1	1	34	100	32	34	132			2016-22-01			-79.4819	44.0076	1
1	1	34	100	32	34	132			2016-25-01			-79.4777	44.0038	1
1	1	34	100	32	34	132			2016-25-01			-79.4780	44.0040	1
1	1	34	100	32	34	132			2016-25-01			-79.4783	44.0042	1
1	1	34	100	32	34	132			2016-25-01			-79.4787	44.0043	1
1	1	34	100	32	34	132			2016-25-01			-79.4797	44.0044	1
1	1	34	100	32	34	132			2016-25-01			-79.4834	44.0049	1
1	1	34	100	32	34	132			2016-25-01			-79.4802	44.0043	1
1	1	34	100	32	34	132			2016-25-01			-79.4808	44.0041	1
1	1	34	100	32	34	132			2016-25-01			-79.4814	44.0040	1
1	1	34	100	32	34	132			2016-25-01			-79.4839	44.0043	1
1	1	34	100	32	34	132			2016-25-01			-79.4820	44.0039	1
1	1	34	100	32	34	132			2016-25-01			-79.4847	44.0049	1
1	1	34	100	32	34	132			2016-25-01			-79.4848	44.0052	1
1	1	34	100	32	34	132			2016-25-01			-79.4842	44.0056	1
1	1	34	100	32	34	132			2016-25-01			-79.4829	44.0037	1
1	1	34	100	32	34	132			2016-25-01			-79.4835	44.0034	1
1	1	34	100	32	34	132			2016-25-01			-79.4833	44.0052	1
1	1	34	100	32	34	132			2016-25-01			-79.4836	44.0056	2
1	1	34	100	32	34	132			2016-25-01			-79.4841	44.0034	1
1	1	34	100	32	34	132			2016-25-01			-79.4846	44.0032	1
1	1	34	100	32	34	132			2016-25-01			-79.4848	44.0054	1
1	1	34	100	32	34	132			2016-25-01			-79.4855	44.0031	1
1	1	34	100	32	34	132			2016-25-01			-79.4838	44.0058	1
1	1	34	100	32	34	132			2016-25-01			-79.4859	44.0029	1
1	1	34	100	32	34	132			2016-25-01			-79.4865	44.0029	1
1	1	34	100	32	34	132			2016-25-01			-79.4852	44.0058	1
1	1	34	100	32	34	132			2016-25-01			-79.4852	44.0055	1
1	1	34	100	32	34	132			2016-25-01			-79.4843	44.0045	1
1	1	34	100	32	34	132			2016-25-01			-79.4844	44.0042	1
1	1	34	100	32	34	132			2016-25-01			-79.4869	44.0027	1
1	1	34	100	32	34	132			2016-25-01			-79.4874	44.0027	1
1	1	34	100	32	34	132			2016-25-01			-79.4878	44.0025	1
1	1	34	100	32	34	132			2016-25-01			-79.4825	44.0045	1
1	1	34	100	32	34	132			2016-25-01			-79.4884	44.0025	1
1	1	34	100	32	34	132			2016-25-01			-79.4889	44.0022	1
1	1	34	100	32	34	132			2016-25-01			-79.4821	44.0047	1
1	1	34	100	32	34	132			2016-25-01			-79.4823	44.0054	1
1	1	34	100	32	34	132			2016-25-01			-79.4895	44.0022	1
1	1	34	100	32	34	132			2016-25-01			-79.4901	44.0020	1
1	1	34	100	32	34	132			2016-25-01			-79.4907	44.0020	1
1	1	34	100	32	34	132			2016-25-01			-79.4912	44.0017	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
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Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	100	32	34	132			2016-25-01			-79.4914	44.0021	1
1	1	34	100	32	34	132			2016-25-01			-79.4916	44.0024	1
1	1	34	100	32	34	132			2016-25-01			-79.4823	44.0049	1
1	1	34	100	32	34	132			2016-25-01			-79.4921	44.0025	1
1	1	34	100	32	34	132			2016-25-01			-79.4924	44.0029	1
1	1	34	100	32	34	132			2016-25-01			-79.4825	44.0061	1
1	1	34	100	32	34	132			2016-25-01			-79.4826	44.0064	1
1	1	34	100	32	34	132			2016-25-01			-79.4826	44.0057	1
1	1	34	100	32	34	132			2016-25-01			-79.4899	44.0048	1
1	1	34	100	32	34	132			2016-25-01			-79.4896	44.0044	1
1	1	34	100	32	34	132			2016-25-01			-79.4895	44.0041	1
1	1	34	100	32	34	132			2016-25-01			-79.4890	44.0039	1
1	1	34	100	32	34	132			2016-25-01			-79.4888	44.0036	1
1	1	34	100	32	34	132			2016-25-01			-79.4815	44.0047	1
1	1	34	100	32	34	132			2016-25-01			-79.4797	44.0081	1
1	1	34	100	32	34	132			2016-25-01			-79.4884	44.0033	1
1	1	34	100	32	34	132			2016-25-01			-79.4884	44.0029	1
1	1	34	100	32	34	132			2016-25-01			-79.4786	44.0083	1
1	1	34	100	32	34	132			2016-25-01			-79.4775	44.0086	1
1	1	34	100	32	34	132			2016-25-01			-79.4829	44.0075	1
1	1	34	100	32	34	132			2016-25-01			-79.4829	44.0071	1
1	1	34	100	32	34	132			2016-25-01			-79.4881	44.0033	1
1	1	34	100	32	34	132			2016-25-01			-79.4875	44.0033	1
1	1	34	100	32	34	132			2016-25-01			-79.4876	44.0036	1
1	1	34	100	32	34	132			2016-25-01			-79.4876	44.0040	1
1	1	34	100	32	34	132			2016-26-01			-79.4872	43.9964	1
1	1	34	100	32	34	132			2016-26-01			-79.4873	43.9967	1
1	1	34	70	26	34	96			2016-26-01			-79.4604	43.9994	2
1	1	34	100	32	34	132			2016-26-01			-79.4795	44.0051	1
1	1	34	100	32	34	132			2016-26-01			-79.4805	44.0049	1
1	1	34	100	32	34	132			2016-26-01			-79.4767	44.0084	1
1	1	34	100	32	34	132			2016-26-01			-79.4603	43.9968	2
1	1	34	100	32	34	132			2016-26-01			-79.4878	43.9967	1
1	1	34	100	32	34	132			2016-26-01			-79.4884	43.9965	1
1	1	34	100	32	34	132			2016-26-01			-79.4842	44.0025	1
1	1	34	100	32	34	132			2016-26-01			-79.4890	43.9965	1
1	1	34	100	32	34	132			2016-26-01			-79.4897	43.9964	1
1	1	34	150	36	34	186			2016-26-01			-79.4657	44.0021	1
1	1	34	100	32	34	132			2016-26-01			-79.4774	44.0056	1
1	1	34	100	32	34	132			2016-26-01			-79.4782	44.0054	1
1	1	34	150	36	34	186			2016-26-01			-79.4658	44.0024	1
1	1	34	100	32	34	132			2016-26-01			-79.4830	44.0027	1
1	1	34	100	32	34	132			2016-26-01			-79.4920	43.9970	1
1	1	34	100	32	34	132			2016-26-01			-79.4778	44.0065	1
1	1	34	100	32	34	132			2016-26-01			-79.4776	44.0059	1
1	1	34	150	36	34	186			2016-26-01			-79.4659	44.0028	1
1	1	34	100	32	34	132			2016-26-01			-79.4829	44.0034	1
1	1	34	100	32	34	132			2016-26-01			-79.4777	44.0069	1
1	1	34	100	32	34	132			2016-26-01			-79.4911	43.9980	1
1	1	34	150	36	34	186			2016-26-01			-79.4660	44.0034	1
1	1	34	100	32	34	132			2016-26-01			-79.4907	43.9980	1
1	1	34	100	32	34	132			2016-26-01			-79.4904	43.9977	1
1	1	34	100	32	34	132			2016-26-01			-79.4767	44.0071	1
1	1	34	100	32	34	132			2016-26-01			-79.4829	44.0029	1
1	1	34	150	36	34	186			2016-26-01			-79.4661	44.0037	1
1	1	34	100	32	34	132			2016-26-01			-79.4836	44.0027	1
1	1	34	100	32	34	132			2016-26-01			-79.4761	44.0071	1
1	1	34	150	36	34	186			2016-26-01			-79.4662	44.0040	1
1	1	34	100	32	34	132			2016-26-01			-79.4905	43.9973	1
1	1	34	100	32	34	132			2016-26-01			-79.4900	43.9971	1
1	1	34	100	32	34	132			2016-26-01			-79.4895	43.9972	1
1	1	34	100	32	34	132			2016-26-01			-79.4888	43.9972	1
1	1	34	100	32	34	132			2016-26-01			-79.4883	43.9974	1
1	1	34	100	32	34	132			2016-26-01			-79.4751	44.0071	1
1	1	34	100	32	34	132			2016-26-01			-79.4846	44.0026	1
1	1	34	100	32	34	132			2016-26-01			-79.4663	44.0045	1
1	1	34	100	32	34	132			2016-26-01			-79.4882	43.9978	1
1	1	34	100	32	34	132			2016-26-01			-79.4879	43.9978	1
1	1	34	100	32	34	132			2016-26-01			-79.4755	44.0072	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
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Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	70	26	34	96			2016-26-01			-79.4647	44.0033	2
1	1	34	100	32	34	132			2016-26-01			-79.4765	44.0072	1
1	1	34	100	32	34	132			2016-26-01			-79.4881	44.0045	1
1	1	34	100	32	34	132			2016-26-01			-79.4867	43.9969	1
1	1	34	100	32	34	132			2016-26-01			-79.4863	43.9968	1
1	1	34	70	26	34	96			2016-26-01			-79.4645	44.0027	1
1	1	34	100	32	34	132			2016-26-01			-79.4885	44.0044	1
1	1	34	100	32	34	132			2016-26-01			-79.4782	44.0068	2
1	1	34	70	26	34	96			2016-26-01			-79.4645	44.0023	1
1	1	34	100	32	34	132			2016-26-01			-79.4774	44.0070	1
1	1	34	70	26	34	96			2016-26-01			-79.4653	44.0032	1
1	1	34	100	32	34	132			2016-26-01			-79.4880	44.0042	1
1	1	34	150	36	34	186			2016-26-01			-79.4660	44.0031	2
1	1	34	100	32	34	132			2016-26-01			-79.4861	43.9971	1
1	1	43	100	32	43	132			2016-26-01			-79.4860	43.9974	7
1	1	43	100	32	43	132			2016-26-01			-79.4863	43.9976	7
1	1	34	100	32	34	132			2016-26-01			-79.4874	43.9972	1
1	1	34	100	32	34	132			2016-26-01			-79.4891	44.0044	1
1	1	34	70	26	34	96			2016-26-01			-79.4665	44.0030	1
1	1	34	100	32	34	132			2016-26-01			-79.4889	43.9979	1
1	1	34	100	32	34	132			2016-26-01			-79.4778	44.0062	1
1	1	34	100	32	34	132			2016-26-01			-79.4899	43.9982	1
1	1	34	100	32	34	132			2016-26-01			-79.4779	44.0056	1
1	1	34	70	26	34	96			2016-26-01			-79.4669	44.0030	1
1	1	34	100	32	34	132			2016-26-01			-79.4864	44.0056	1
1	1	34	100	32	34	132			2016-26-01			-79.4788	44.0054	1
1	1	34	100	32	34	132			2016-26-01			-79.4899	43.9988	1
1	1	34	70	26	34	96			2016-26-01			-79.4673	44.0029	1
1	1	34	100	32	34	132			2016-26-01			-79.4870	43.9957	1
1	1	34	100	32	34	132			2016-26-01			-79.4860	44.0049	1
1	1	34	100	32	34	132			2016-26-01			-79.4856	44.0042	1
1	1	34	70	26	34	96			2016-26-01			-79.4677	44.0029	1
1	1	38	100	32	38	132			2016-26-01			-79.4891	43.9997	4
1	1	43	100	32	43	132			2016-27-01			-79.4934	43.9957	7
1	1	34	70	26	34	96			2016-27-01			-79.4764	44.0058	1
1	1	34	100	32	34	132			2016-27-01			-79.4852	44.0011	1
1	1	34	70	26	34	96			2016-27-01			-79.4765	44.0065	1
1	1	34	100	32	34	132			2016-27-01			-79.4862	44.0009	1
1	1	34	100	32	34	132			2016-27-01			-79.4918	43.9963	1
1	1	43	100	32	43	132			2016-27-01			-79.4924	43.9957	7
1	1	34	100	32	34	132			2016-27-01			-79.4918	43.9957	1
1	1	34	100	32	34	132			2016-27-01			-79.4912	43.9956	1
1	1	34	100	32	34	132			2016-27-01			-79.4869	44.0012	1
1	1	34	70	26	34	96			2016-27-01			-79.4766	44.0061	1
1	1	34	100	32	34	132			2016-27-01			-79.4873	44.0018	1
1	1	34	100	32	34	132			2016-27-01			-79.4912	43.9959	1
1	1	34	100	32	34	132			2016-27-01			-79.4911	43.9963	1
1	1	34	70	26	34	96			2016-27-01			-79.4768	44.0067	1
1	1	34	100	32	34	132			2016-27-01			-79.4862	44.0020	1
1	1	34	70	26	34	96			2016-27-01			-79.4764	44.0055	1
1	1	34	100	32	34	132			2016-27-01			-79.4858	44.0013	1
1	1	34	100	32	34	132			2016-27-01			-79.4859	44.0017	1
1	1	34	100	32	34	132			2016-27-01			-79.4861	44.0024	1
1	1	34	70	26	34	96			2016-27-01			-79.4761	44.0050	1
1	1	34	100	32	34	132			2016-27-01			-79.4900	43.9960	1
1	1	34	100	32	34	132			2016-27-01			-79.4864	44.0027	1
1	1	34	70	26	34	96			2016-27-01			-79.4744	44.0071	1
1	1	34	70	26	34	96			2016-27-01			-79.4741	44.0064	1
1	1	34	100	32	34	132			2016-27-01			-79.4892	43.9958	1
1	1	34	100	32	34	132			2016-27-01			-79.4647	44.0125	1
1	1	34	70	26	34	96			2016-27-01			-79.4744	44.0067	1
1	1	34	70	26	34	96			2016-27-01			-79.4747	44.0074	1
1	1	34	100	32	34	132			2016-27-01			-79.4868	44.0020	1
1	1	34	100	32	34	132			2016-27-01			-79.4881	43.9959	1
1	1	34	100	32	34	132			2016-27-01			-79.4649	44.0132	1
1	1	34	100	32	34	132			2016-27-01			-79.4874	44.0014	1
1	1	34	100	32	34	132			2016-27-01			-79.4867	44.0008	1
1	1	34	100	32	34	132			2016-27-01			-79.4836	43.9969	1
1	1	34	100	32	34	132			2016-27-01			-79.4837	43.9975	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
Date This Report Prepared:	February 9,2016	**Report completed by:**	RealTerm Energy
Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	70	26	34	96			2016-27-01			-79.4789	44.0060	1
1	1	34	70	26	34	96			2016-27-01			-79.4789	44.0063	1
1	1	34	100	32	34	132			2016-27-01			-79.4856	44.0009	1
1	1	34	100	32	34	132			2016-27-01			-79.4843	43.9974	1
1	1	34	100	32	34	132			2016-27-01			-79.4657	44.0136	1
1	1	34	100	32	34	132			2016-27-01			-79.4847	44.0010	1
1	1	43	100	32	43	132			2016-27-01			-79.4848	43.9976	7
1	1	34	100	32	34	132			2016-27-01			-79.4839	43.9980	1
1	1	34	100	32	34	132			2016-27-01			-79.4840	43.9987	1
1	1	34	100	32	34	132			2016-27-01			-79.4845	43.9992	2
1	1	34	100	32	34	132			2016-27-01			-79.4847	44.0015	1
1	1	34	100	32	34	132			2016-27-01			-79.4838	43.9990	1
1	1	34	70	26	34	96			2016-27-01			-79.4792	44.0066	1
1	1	34	70	26	34	96			2016-27-01			-79.4792	44.0070	1
1	1	34	100	32	34	132			2016-27-01			-79.4669	44.0134	1
1	1	43	100	32	43	132			2016-27-01			-79.4852	43.9992	7
1	1	34	100	32	34	132			2016-27-01			-79.4850	44.0019	1
1	1	34	100	32	34	132			2016-27-01			-79.4739	44.0090	2
1	1	34	100	32	34	132			2016-27-01			-79.4678	44.0132	1
1	1	34	70	26	34	96			2016-27-01			-79.4748	44.0051	1
1	1	34	100	32	34	132			2016-27-01			-79.4851	44.0028	1
1	1	34	100	32	34	132			2016-27-01			-79.4858	44.0038	1
1	1	34	150	36	34	186			2016-27-01			-79.4774	44.0045	1
1	1	34	100	32	34	132			2016-27-01			-79.4864	44.0039	1
1	1	34	100	32	34	132			2016-27-01			-79.4684	44.0129	1
1	1	34	100	32	34	132			2016-27-01			-79.4868	44.0046	1
1	1	34	100	32	34	132			2016-27-01			-79.4864	44.0049	1
1	1	34	100	32	34	132			2016-27-01			-79.4869	44.0049	2
1	1	34	100	32	34	132			2016-27-01			-79.4866	44.0041	1
1	1	34	70	26	34	96			2016-27-01			-79.4788	44.0048	1
1	1	43	100	32	43	132			2016-27-01			-79.4809	44.0003	7
1	1	34	100	32	34	132			2016-27-01			-79.4812	44.0002	2
1	1	34	100	32	34	132			2016-27-01			-79.4809	43.9993	2
1	1	34	100	32	34	132			2016-27-01			-79.4673	44.0132	1
1	1	34	70	26	34	96			2016-27-01			-79.4827	43.9989	1
1	1	34	100	32	34	132			2016-27-01			-79.4662	44.0134	1
1	1	43	70	26	43	96			2016-27-01			-79.4757	44.0003	7
1	1	34	70	26	34	96			2016-27-01			-79.4790	44.0057	1
1	1	43	70	26	43	96			2016-27-01			-79.4734	44.0008	7
1	1	34	100	32	34	132			2016-27-01			-79.4925	44.0049	1
1	1	34	100	32	34	132			2016-27-01			-79.4653	44.0134	1
1	1	38	100	32	38	132			2016-27-01			-79.4933	44.0050	4
1	1	34	100	32	34	132			2016-27-01			-79.4862	44.0036	1
1	1	43	70	26	43	96			2016-27-01			-79.4731	44.0030	7
1	1	34	70	26	34	96			2016-27-01			-79.4739	44.0029	1
1	1	65	100	32	65	132			2016-28-01			-79.4505	44.0209	11
1	1	65	100	32	65	132			2016-28-01			-79.4511	44.0206	11
1	1	38	100	32	38	132			2016-28-01			-79.4521	44.0235	4
1	1	65	150	36	65	186			2016-28-01			-79.4500	44.0209	11
1	1	34	100	32	34	132			2016-28-01			-79.4543	44.0227	1
1	1	34	100	32	34	132			2016-28-01			-79.4544	44.0226	1
1	1	34	100	32	34	132			2016-28-01			-79.4555	44.0223	1
1	1	34	100	32	34	132			2016-28-01			-79.4559	44.0243	1
1	1	65	150	36	65	186			2016-28-01			-79.4495	44.0201	11
1	1	34	100	32	34	132			2016-28-01			-79.4853	44.0036	1
1	1	34	100	32	34	132			2016-28-01			-79.4566	44.0222	1
1	1	65	150	36	65	186			2016-28-01			-79.4494	44.0198	11
1	1	43	100	32	43	132			2016-28-01			-79.4550	44.0170	5
1	1	38	100	32	38	132			2016-28-01			-79.4946	44.0062	4
1	1	43	100	32	43	132			2016-28-01			-79.4547	44.0162	5
1	1	91	150	36	91	186			2016-28-01			-79.4573	44.0034	0
1	1	91	200	41	91	241			2016-28-01			-79.4576	44.0038	0
1	1	65	150	36	65	186			2016-28-01			-79.4494	44.0194	11
1	1	43	100	32	43	132			2016-28-01			-79.4547	44.0166	5
1	1	43	100	32	43	132			2016-28-01			-79.4550	44.0174	5
1	1	34	100	32	34	132			2016-28-01			-79.4922	43.9997	1
1	1	43	100	32	43	132			2016-28-01			-79.4548	44.0179	5
1	1	43	100	32	43	132			2016-28-01			-79.4538	44.0182	5
1	1	43	100	32	43	132			2016-28-01			-79.4528	44.0184	5

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
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Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	91	150	36	91	186			2016-28-01			-79.4579	44.0041	0
1	1	91	150	36	91	186			2016-28-01			-79.4580	44.0046	0
1	1	43	100	32	43	132			2016-28-01			-79.4521	44.0186	5
1	1	73	150	36	73	186			2016-28-01			-79.4493	44.0191	12
1	1	43	100	32	43	132			2016-28-01			-79.4533	44.0184	5
1	1	43	100	32	43	132			2016-28-01			-79.4544	44.0182	5
1	1	34	100	32	34	132			2016-28-01			-79.4785	44.0011	1
1	1	91	150	36	91	186			2016-28-01			-79.4583	44.0054	0
1	1	91	150	36	91	186			2016-28-01			-79.4586	44.0061	0
1	1	73	150	36	73	186			2016-28-01			-79.4492	44.0187	12
1	1	91	150	36	91	186			2016-28-01			-79.4593	44.0068	0
1	1	34	100	32	34	132			2016-28-01			-79.4685	44.0064	1
1	1	91	150	36	91	186			2016-28-01			-79.4600	44.0074	0
1	1	91	150	36	91	186			2016-28-01			-79.4607	44.0081	0
1	1	91	150	36	91	186			2016-28-01			-79.4614	44.0087	0
1	1	91	150	36	91	186			2016-28-01			-79.4616	44.0095	0
1	1	34	100	32	34	132			2016-28-01			-79.4681	44.0059	2
1	1	65	150	36	65	186			2016-28-01			-79.4491	44.0183	11
1	1	91	150	36	91	186			2016-28-01			-79.4615	44.0103	0
1	1	91	150	36	91	186			2016-28-01			-79.4611	44.0111	0
1	1	91	150	36	91	186			2016-28-01			-79.4612	44.0119	0
1	1	91	150	36	91	186			2016-28-01			-79.4617	44.0125	0
1	1	65	150	36	65	186			2016-28-01			-79.4490	44.0180	11
1	1	91	150	36	91	186			2016-28-01			-79.4622	44.0128	0
1	1	91	150	36	91	186			2016-28-01			-79.4625	44.0132	0
1	1	34	100	32	34	132			2016-28-01			-79.4678	44.0063	1
1	1	65	150	36	65	186			2016-28-01			-79.4489	44.0176	11
1	1	34	100	32	34	132			2016-28-01			-79.4679	44.0070	1
1	1	91	150	36	91	186			2016-28-01			-79.4626	44.0141	0
1	1	91	150	36	91	186			2016-28-01			-79.4627	44.0149	0
1	1	34	70	26	34	96			2016-28-01			-79.4790	44.0050	1
1	1	34	100	32	34	132			2016-28-01			-79.4681	44.0073	2
1	1	65	150	36	65	186			2016-28-01			-79.4488	44.0172	11
1	1	34	100	32	34	132			2016-28-01			-79.4680	44.0066	1
1	1	91	250	50	91	300			2016-28-01			-79.4627	44.0162	0
1	1	65	150	36	65	186			2016-28-01			-79.4487	44.0168	11
1	1	34	70	26	34	96			2016-28-01			-79.4776	44.0049	3
1	1	34	70	26	34	96			2016-28-01			-79.4783	44.0007	1
1	1	65	150	36	65	186			2016-28-01			-79.4487	44.0164	11
1	1	91	150	36	91	186			2016-28-01			-79.4626	44.0166	0
1	1	34	70	26	34	96			2016-28-01			-79.4780	44.0000	1
1	1	65	150	36	65	186			2016-28-01			-79.4505	44.0157	11
1	1	34	70	26	34	96			2016-28-01			-79.4778	43.9996	1
1	1	65	150	36	65	186			2016-28-01			-79.4503	44.0151	11
1	1	91	150	36	91	186			2016-28-01			-79.4624	44.0170	0
1	1	91	150	36	91	186			2016-28-01			-79.4623	44.0174	0
1	1	91	150	36	91	186			2016-28-01			-79.4621	44.0182	0
1	1	65	100	32	65	132			2016-28-01			-79.4501	44.0162	11
1	1	34	100	32	34	132			2016-28-01			-79.4777	43.9993	1
1	1	34	70	26	34	96			2016-28-01			-79.4761	43.9983	1
1	1	91	150	36	91	186			2016-28-01			-79.4619	44.0186	0
1	1	91	150	36	91	186			2016-28-01			-79.4619	44.0190	0
1	1	91	150	36	91	186			2016-28-01			-79.4621	44.0194	0
1	1	91	150	36	91	186			2016-28-01			-79.4622	44.0198	0
1	1	65	150	36	65	186			2016-28-01			-79.4506	44.0187	11
1	1	34	70	26	34	96			2016-28-01			-79.4765	43.9991	1
1	1	34	100	32	34	132			2016-28-01			-79.4801	44.0051	1
1	1	73	150	36	73	186			2016-28-01			-79.4494	44.0188	12
1	1	91	200	41	91	241			2016-28-01			-79.4580	44.0039	0
1	1	34	100	32	34	132			2016-29-01			-79.4522	44.0159	1
1	1	34	100	32	34	132			2016-29-01			-79.4649	44.0128	1
1	1	34	70	26	34	96			2016-29-01			-79.4769	43.9990	1
1	1	34	100	32	34	132			2016-29-01			-79.4518	44.0158	1
1	1	34	100	32	34	132			2016-29-01			-79.4671	43.9909	1
1	1	34	100	32	34	132			2016-29-01			-79.4516	44.0153	1
1	1	34	100	32	34	132			2016-29-01			-79.4661	43.9905	2
1	1	34	100	32	34	132			2016-29-01			-79.4794	43.9911	1
1	1	34	100	32	34	132			2016-29-01			-79.4788	43.9912	1
1	1	34	70	26	34	96			2016-29-01			-79.4773	43.9992	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
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Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	34	100	32	34	132			2016-29-01			-79.4523	44.0147	1
1	1	34	100	32	34	132			2016-29-01			-79.4518	44.0147	1
1	1	34	100	32	34	132			2016-29-01			-79.4522	44.0153	1
1	1	34	100	32	34	132			2016-29-01			-79.4518	44.0155	1
1	1	34	100	32	34	132			2016-29-01			-79.4647	44.0121	1
1	1	34	70	26	34	96			2016-29-01			-79.4798	44.0039	1
1	1	34	100	32	34	132			2016-29-01			-79.4525	44.0153	1
1	1	34	100	32	34	132			2016-29-01			-79.4683	43.9908	1
1	1	34	100	32	34	132			2016-29-01			-79.4527	44.0159	1
1	1	34	100	32	34	132			2016-29-01			-79.4694	43.9906	1
1	1	34	100	32	34	132			2016-29-01			-79.4649	44.0136	1
1	1	34	100	32	34	132			2016-29-01			-79.4781	43.9914	1
1	1	34	100	32	34	132			2016-29-01			-79.4777	43.9915	1
1	1	34	100	32	34	132			2016-29-01			-79.4765	43.9918	1
1	1	34	100	32	34	132			2016-29-01			-79.4704	43.9903	1
1	1	34	100	32	34	132			2016-29-01			-79.4824	43.9829	1
1	1	34	100	32	34	132			2016-29-01			-79.4690	44.0065	1
1	1	34	70	26	34	96			2016-29-01			-79.4825	43.9826	1
1	1	34	70	26	34	96			2016-29-01			-79.4826	43.9823	1
1	1	34	100	32	34	132			2016-29-01			-79.4715	43.9900	1
1	1	34	100	32	34	132			2016-29-01			-79.4649	44.0144	1
1	1	43	150	36	43	186			2016-29-01			-79.4682	44.0017	5
1	1	34	70	26	34	96			2016-29-01			-79.4825	43.9819	1
1	1	43	150	36	43	186			2016-29-01			-79.4691	44.0015	5
1	1	34	100	32	34	132			2016-29-01			-79.4725	43.9899	1
1	1	34	100	32	34	132			2016-29-01			-79.4661	44.0142	1
1	1	34	70	26	34	96			2016-29-01			-79.4822	43.9817	1
1	1	34	100	32	34	132			2016-29-01			-79.4760	43.9919	1
1	1	34	100	32	34	132			2016-29-01			-79.4756	43.9920	1
1	1	34	100	32	34	132			2016-29-01			-79.4752	43.9921	1
1	1	43	150	36	43	186			2016-29-01			-79.4700	44.0013	6
1	1	43	100	32	43	132			2016-29-01			-79.4819	43.9815	5
1	1	34	100	32	34	132			2016-29-01			-79.4651	44.0144	1
1	1	34	100	32	34	132			2016-29-01			-79.4743	43.9923	1
1	1	34	100	32	34	132			2016-29-01			-79.4737	43.9898	1
1	1	43	150	36	43	186			2016-29-01			-79.4700	44.0019	5
1	1	43	150	36	43	186			2016-29-01			-79.4699	44.0009	5
1	1	43	70	26	43	96			2016-29-01			-79.4820	43.9812	6
1	1	34	100	32	34	132			2016-29-01			-79.4737	43.9924	1
1	1	34	100	32	34	132			2016-29-01			-79.4650	44.0140	1
1	1	34	100	32	34	132			2016-29-01			-79.4728	43.9926	1
1	1	43	100	32	43	132			2016-29-01			-79.4699	44.0005	5
1	1	34	100	32	34	132			2016-29-01			-79.4747	43.9894	1
1	1	43	100	32	43	132			2016-29-01			-79.4698	44.0003	5
1	1	34	100	32	34	132			2016-29-01			-79.4718	43.9928	1
1	1	34	100	32	34	132			2016-29-01			-79.4714	43.9928	2
1	1	34	70	26	34	96			2016-29-01			-79.4802	43.9790	1
1	1	34	100	32	34	132			2016-29-01			-79.4757	43.9890	1
1	1	34	70	26	34	96			2016-29-01			-79.4807	43.9790	1
1	1	34	100	32	34	132			2016-29-01			-79.4656	44.0144	1
1	1	34	100	32	34	132			2016-29-01			-79.4712	43.9930	1
1	1	34	70	26	34	96			2016-29-01			-79.4801	43.9795	1
1	1	34	70	26	34	96			2016-29-01			-79.4803	43.9802	1
1	1	34	70	26	34	96			2016-29-01			-79.4798	43.9783	1
1	1	34	100	32	34	132			2016-29-01			-79.4705	43.9931	1
1	1	34	70	26	34	96			2016-29-01			-79.4802	43.9782	1
1	1	34	70	26	34	96			2016-29-01			-79.4806	43.9812	1
1	1	34	70	26	34	96			2016-29-01			-79.4794	43.9783	1
1	1	34	100	32	34	132			2016-29-01			-79.4759	43.9887	1
1	1	34	70	26	34	96			2016-29-01			-79.4791	43.9784	1
1	1	34	70	26	34	96			2016-29-01			-79.4787	43.9785	1
1	1	34	70	26	34	96			2016-29-01			-79.4806	43.9809	1
1	1	34	70	26	34	96			2016-29-01			-79.4804	43.9815	1
1	1	34	100	32	34	132			2016-29-01			-79.4694	43.9934	1
1	1	34	100	32	34	132			2016-29-01			-79.4689	43.9935	1
1	1	34	70	26	34	96			2016-29-01			-79.4783	43.9786	1
1	1	34	100	32	34	132			2016-29-01			-79.4701	43.9932	1
1	1	34	100	32	34	132			2016-29-01			-79.4888	44.0058	1
1	1	34	100	32	34	132			2016-29-01			-79.4888	44.0054	1

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
Date This Report Prepared:	February 9,2016	**Report completed by:**	RealTerm Energy
Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
TOTAL	1656				61440	215081								
Connected Load Installed - kW / Month -					**61.44**									
Connected Load Removed - kW / Month -						**215.081**								

NOTE 1: Ballast Losses are fixed as per PowerStream Specification No. PS SL-01-2006.
These numbers are entered in the CIS and the Billing is based on these losses.
NOTE 2: See Tab 'Street Light Input Power ' for detailed LED model type

Form Revision: 01-Mar-15

File: 10. Street Light Work Report

Page No:

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
Date This Report Prepared:	April 29,2016	**Report completed by:**	RealTerm Energy
Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	91	150	36	91	186	n/a		3/29/2016 1:03:04 PM			-79.4565	44.0003	18
1	1	60	100	32	60	132			3/29/2016 1:08:29 PM			-79.4373	44.0078	24
1	1	60	100	32	60	132			3/29/2016 1:09:31 PM			-79.4363	44.0072	24
1	1	60	100	32	60	132			3/29/2016 1:18:22 PM			-79.4357	44.0149	24
1	1	60	100	32	60	132			3/29/2016 1:21:24 PM			-79.4375	44.0085	24
1	1	65	150	36	65	186			3/29/2016 1:23:21 PM			-79.4556	43.9982	12
1	1	60	100	32	60	132			3/29/2016 1:30:54 PM			-79.4368	44.0147	24
1	1	60	100	32	60	132			3/29/2016 1:31:29 PM			-79.4343	44.0152	24
1	1	60	100	32	60	132			3/29/2016 1:35:35 PM			-79.4369	44.0089	24
1	1	60	100	32	60	132			3/29/2016 1:38:11 PM			-79.4362	44.0096	24
1	1	60	100	32	60	132			3/29/2016 1:39:46 PM			-79.4351	44.0151	24
1	1	60	100	32	60	132			3/29/2016 1:42:48 PM			-79.4367	44.0096	24
1	1	65	150	36	65	186			3/29/2016 1:47:52 PM			-79.4557	43.9987	11
1	1	168	150	36	168	186			3/29/2016 1:51:39 PM			-79.4575	44.0018	23
1	1	60	100	32	60	132			3/29/2016 1:52:48 PM			-79.4334	44.0154	24
1	1	60	100	32	60	132			3/29/2016 12:50:10 PM			-79.4365	44.0079	24
1	1	60	100	32	60	132			3/29/2016 2:02:05 PM			-79.4349	44.0099	24
1	1	60	100	32	60	132			3/29/2016 2:04:01 PM			-79.4356	44.0098	24
1	1	60	100	32	60	132			3/29/2016 2:05:37 PM			-79.4333	44.0157	24
1	1	60	100	32	60	132			3/29/2016 2:06:42 PM			-79.4334	44.0164	24
1	1	91	150	36	91	186			3/29/2016 2:17:06 PM			-79.4562	44.0005	17
1	1	60	100	32	60	132			3/29/2016 2:17:27 PM			-79.4364	44.0076	24
1	1	60	100	32	60	132			3/29/2016 2:22:32 PM			-79.4371	44.0094	24
1	1	60	100	32	60	132			3/29/2016 2:32:29 PM			-79.4344	44.0169	24
1	1	60	100	32	60	132			3/29/2016 2:33:13 PM			-79.4334	44.0167	24
1	1	60	100	32	60	132			3/29/2016 2:39:47 PM			-79.4340	44.0115	24
1	1	91	150	36	91	186			3/29/2016 2:39:50 PM			-79.4563	44.0012	16
1	1	60	100	32	60	132			3/29/2016 2:42:52 PM			-79.4340	44.0124	24
1	1	60	100	32	60	132			3/29/2016 2:46:09 PM			-79.4334	44.0118	24
1	1	60	100	32	60	132			3/29/2016 2:55:52 PM			-79.4365	44.0169	24
1	1	60	100	32	60	132			3/29/2016 2:57:02 PM			-79.4350	44.0121	24
1	1	91	150	36	91	186			3/29/2016 3:03:11 PM			-79.4564	44.0017	18
1	1	60	100	32	60	132			3/29/2016 3:03:31 PM			-79.4355	44.0169	24
1	1	60	100	32	60	132			3/29/2016 3:05:06 PM			-79.4356	44.0120	24
1	1	60	100	32	60	132			3/29/2016 3:12:02 PM			-79.4344	44.0122	24
1	1	60	100	32	60	132			3/29/2016 3:23:08 PM			-79.4337	44.0122	24
1	1	60	100	32	60	132			3/29/2016 3:31:17 PM			-79.4364	44.0157	24
1	1	168	150	36	168	186			3/29/2016 3:41:12 PM			-79.4565	44.0020	23
1	1	60	100	32	60	132			3/29/2016 3:41:25 PM			-79.4336	44.0117	24
1	1	60	100	32	60	132			3/29/2016 3:45:55 PM			-79.4367	44.0161	24
1	1	60	100	32	60	132			3/29/2016 3:46:53 PM			-79.4345	44.0115	24
1	1	60	100	32	60	132			3/29/2016 3:49:16 PM			-79.4366	44.0165	24
1	1	91	150	36	91	186			3/29/2016 3:58:11 PM			-79.4559	44.0021	17
1	1	60	100	32	60	132			3/29/2016 4:45:59 PM			-79.4338	44.0145	24
1	1	60	100	32	60	132			3/29/2016 4:50:11 PM			-79.4346	44.0144	24
1	1	60	100	32	60	132			3/29/2016 4:54:37 PM			-79.4357	44.0141	24
1	1	60	100	32	60	132			3/29/2016 5:09:53 PM			-79.4357	44.0135	24
1	1	60	100	32	60	132			3/29/2016 5:12:05 PM			-79.4338	44.0139	24
1	1	60	100	32	60	132			3/29/2016 5:13:34 PM			-79.4362	44.0133	24
1	1	34	200	41	34	241			3/29/2016 5:15:15 PM			-79.4132	43.9857	2
1	1	60	100	32	60	132			3/29/2016 5:16:36 PM			-79.4347	44.0137	24
1	1	34	100	32	34	132			3/29/2016 5:34:56 PM			-79.4119	43.9856	1
1	1	60	100	32	60	132			3/29/2016 5:35:44 PM			-79.4352	44.0135	24
1	1	60	100	32	60	132			3/29/2016 5:44:24 PM			-79.4341	44.0137	24
1	1	60	100	32	60	132			3/29/2016 5:48:14 PM			-79.4343	44.0130	24
1	1	34	100	32	34	132			3/29/2016 5:52:25 PM			-79.4111	43.9857	1
1	1	60	100	32	60	132			3/29/2016 5:52:31 PM			-79.4354	44.0128	24
1	1	60	100	32	60	132			3/29/2016 5:56:55 PM			-79.4337	44.0137	24
1	1	60	100	32	60	132			3/29/2016 6:05:18 PM			-79.4347	44.0128	24
1	1	34	100	32	34	132			3/29/2016 6:09:31 PM			-79.4105	43.9861	1
1	1	60	100	32	60	132			3/29/2016 6:12:52 PM			-79.4359	44.0126	24
1	1	34	100	32	34	132			3/29/2016 6:26:43 PM			-79.4082	43.9867	1
1	1	60	100	32	60	132			3/29/2016 6:35:18 PM			-79.4336	44.0133	24
1	1	60	100	32	60	132			3/29/2016 6:37:28 PM			-79.4336	44.0142	24
1	1	60	100	32	60	132			3/29/2016 6:39:59 PM			-79.4342	44.0146	24
1	1	34	100	32	34	132			3/29/2016 6:41:28 PM			-79.4126	43.9859	1
1	1	60	100	32	60	132			3/30/2016 1:05:42 PM			-79.4642	43.9681	24
1	1	60	100	32	60	132			3/30/2016 1:07:50 PM			-79.4637	43.9681	24
1	1	60	100	32	60	132			3/30/2016 1:10:51 PM			-79.4373	44.0128	24
1	1	60	100	32	60	132			3/30/2016 1:24:31 PM			-79.4376	44.0136	24
1	1	60	100	32	60	132			3/30/2016 1:24:50 PM			-79.4639	43.9678	24
1	1	60	100	32	60	132			3/30/2016 1:29:35 PM			-79.4635	43.9680	24
1	1	60	100	32	60	132			3/30/2016 1:40:06 PM			-79.4631	43.9678	24
1	1	60	100	32	60	132			3/30/2016 1:48:03 PM			-79.4383	44.0122	24
1	1	60	100	32	60	132			3/30/2016 1:48:37 PM			-79.4386	44.0130	24

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
Date This Report Prepared:	April 29,2016	**Report completed by:**	RealTerm Energy
Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	60	100	32	60	132			3/30/2016 1:49:30 PM			-79.4632	43.9681	24
1	1	60	100	32	60	132			3/30/2016 1:53:08 PM			-79.4397	44.0129	24
1	1	60	100	32	60	132			3/30/2016 12:37:18 PM			-79.4372	44.0124	24
1	1	60	100	32	60	132			3/30/2016 12:59:20 PM			-79.4369	44.0120	24
1	1	60	100	32	60	132			3/30/2016 12:59:37 PM			-79.4376	44.0132	24
1	1	60	100	32	60	132			3/30/2016 2:06:15 PM			-79.4395	44.0125	24
1	1	60	100	32	60	132			3/30/2016 2:06:19 PM			-79.4390	44.0118	24
1	1	60	100	32	60	132			3/30/2016 2:10:53 PM			-79.4626	43.9682	24
1	1	60	100	32	60	132			3/30/2016 2:11:18 PM			-79.4396	44.0132	24
1	1	60	100	32	60	132			3/30/2016 2:20:45 PM			-79.4390	44.0114	24
1	1	60	100	32	60	132			3/30/2016 2:21:22 PM			-79.4394	44.0121	24
1	1	60	100	32	60	132			3/30/2016 2:33:08 PM			-79.4620	43.9690	24
1	1	60	100	32	60	132			3/30/2016 2:33:43 PM			-79.4386	44.0107	24
1	1	60	100	32	60	132			3/30/2016 2:35:23 PM			-79.4383	44.0106	24
1	1	60	100	32	60	132			3/30/2016 2:40:52 PM			-79.4615	43.9697	24
1	1	60	100	32	60	132			3/30/2016 2:42:43 PM			-79.4387	44.0111	24
1	1	60	100	32	60	132			3/30/2016 2:49:02 PM			-79.4621	43.9686	24
1	1	60	100	32	60	132			3/30/2016 2:49:37 PM			-79.4616	43.9700	24
1	1	60	100	32	60	132			3/30/2016 2:52:43 PM			-79.4620	43.9699	24
1	1	60	100	32	60	132			3/30/2016 2:56:12 PM			-79.4372	44.0108	24
1	1	60	100	32	60	132			3/30/2016 2:58:25 PM			-79.4363	44.0110	24
1	1	60	100	32	60	132			3/30/2016 2:59:30 PM			-79.4617	43.9693	24
1	1	60	100	32	60	132			3/30/2016 3:02:20 PM			-79.4368	44.0110	24
1	1	60	100	32	60	132			3/30/2016 3:11:28 PM			-79.4634	43.9694	24
1	1	60	100	32	60	132			3/30/2016 3:11:43 PM			-79.4621	43.9692	24
1	1	60	100	32	60	132			3/30/2016 3:17:57 PM			-79.4399	44.0104	24
1	1	60	100	32	60	132			3/30/2016 3:17:59 PM			-79.4389	44.0106	24
1	1	60	100	32	60	132			3/30/2016 3:23:51 PM			-79.4378	44.0108	24
1	1	60	100	32	60	132			3/30/2016 3:28:48 PM			-79.4638	43.9694	24
1	1	60	100	32	60	132			3/30/2016 3:34:42 PM			-79.4624	43.9691	24
1	1	60	100	32	60	132			3/30/2016 3:42:39 PM			-79.4636	43.9691	24
1	1	60	100	32	60	132			3/30/2016 3:46:32 PM			-79.4394	44.0103	24
1	1	60	100	32	60	132			3/30/2016 3:48:06 PM			-79.4403	44.0101	24
1	1	60	100	32	60	132			3/30/2016 3:49:41 PM			-79.4633	43.9682	24
1	1	60	100	32	60	132			3/30/2016 3:53:22 PM			-79.4414	44.0106	24
1	1	34	150	36	34	186			3/30/2016 4:00:00 AM			-79.4672	43.9924	2
1	1	34	70	26	34	96			3/30/2016 4:00:00 AM			-79.4701	43.9854	1
1	1	73	150	36	73	186			3/30/2016 4:00:00 AM			-79.4592	43.9878	15
1	1	60	100	32	60	132			3/30/2016 4:38:37 PM			-79.4429	44.0099	24
1	1	60	100	32	60	132			3/30/2016 4:59:58 PM			-79.4354	44.0156	24
1	1	60	100	32	60	132			3/30/2016 5:03:31 PM			-79.4354	44.0167	24
1	1	60	100	32	60	132			3/30/2016 5:03:47 PM			-79.4354	44.0162	24
1	1	60	100	32	60	132			3/30/2016 5:07:37 PM			-79.4425	44.0098	24
1	1	60	100	32	60	132			3/30/2016 5:13:45 PM			-79.4356	44.0164	24
1	1	60	100	32	60	132			3/30/2016 5:23:20 PM			-79.4417	44.0099	24
1	1	60	100	32	60	132			3/30/2016 5:24:33 PM			-79.4354	44.0152	24
1	1	60	100	32	60	132			3/30/2016 5:28:35 PM			-79.4355	44.0158	24
1	1	60	100	32	60	132			3/30/2016 5:37:08 PM			-79.4411	44.0098	24
1	1	60	100	32	60	132			3/30/2016 5:38:26 PM			-79.4409	44.0099	24
1	1	60	100	32	60	132			3/30/2016 5:38:54 PM			-79.4432	44.0097	24
1	1	60	100	32	60	132			3/30/2016 5:42:26 PM			-79.4344	44.0158	24
1	1	60	100	32	60	132			3/30/2016 5:52:24 PM			-79.4343	44.0166	24
1	1	60	100	32	60	132			3/30/2016 5:53:12 PM			-79.4346	44.0162	24
1	1	60	100	32	60	132			3/30/2016 5:59:30 PM			-79.4344	44.0154	24
1	1	60	100	32	60	132			3/30/2016 6:01:47 PM			-79.4411	44.0103	24
1	1	60	100	32	60	132			3/30/2016 6:26:10 PM			-79.4360	44.0168	24
1	1	60	100	32	60	132			3/30/2016 6:32:29 PM			-79.4349	44.0168	24
1	1	60	100	32	60	132			04/01/2016			-79.4407	44.0101	24
1	1	60	100	32	60	132			04/01/2016			-79.4339	44.0167	24
1	1	60	100	32	60	132			04/01/2016			-79.4406	44.0087	24
1	1	60	100	32	60	132			04/01/2016			-79.4335	44.0161	24
1	1	60	100	32	60	132			04/01/2016			-79.4413	44.0099	24
1	1	60	100	32	60	132			04/01/2016			-79.4404	44.0081	24
1	1	60	100	32	60	132			04/01/2016			-79.4410	44.0095	24
1	1	60	100	32	60	132			04/01/2016			-79.4339	44.0154	24
1	1	60	100	32	60	132			04/01/2016			-79.4402	44.0076	24
1	1	60	100	32	60	132			04/01/2016			-79.4398	44.0066	24
1	1	60	100	32	60	132			04/01/2016			-79.4363	44.0149	24
1	1	60	100	32	60	132			04/01/2016			-79.4347	44.0152	24
1	1	60	100	32	60	132			04/01/2016			-79.4400	44.0071	24
1	1	60	100	32	60	132			04/01/2016			-79.4369	44.0156	24
1	1	60	100	32	60	132			04/01/2016			-79.4399	44.0074	24
1	1	60	100	32	60	132			04/01/2016			-79.4370	44.0149	24
1	1	60	100	32	60	132			04/01/2016			-79.4372	44.0154	24
1	1	60	100	32	60	132			04/01/2016			-79.4397	44.0069	24

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
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Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	60	100	32	60	132			04/01/2016			-79.4394	44.0173	24
1	1	60	100	32	60	132			04/01/2016			-79.4396	44.0064	24
1	1	60	100	32	60	132			04/01/2016			-79.4396	44.0064	24
1	1	60	100	32	60	132			04/01/2016			-79.4401	44.0080	24
1	1	60	100	32	60	132			04/01/2016			-79.4375	44.0155	24
1	1	60	100	32	60	132			04/01/2016			-79.4395	44.0171	24
1	1	60	100	32	60	132			04/01/2016			-79.4403	44.0084	24
1	1	60	100	32	60	132			04/01/2016			-79.4407	44.0093	24
1	1	60	100	32	60	132			04/01/2016			-79.4406	44.0090	24
1	1	60	100	32	60	132			04/01/2016			-79.4408	44.0102	24
1	1	60	100	32	60	132			04/01/2016			-79.4384	44.0165	24
1	1	60	100	32	60	132			04/01/2016			-79.4393	44.0171	24
1	1	60	100	32	60	132			04/01/2016			-79.4390	44.0171	24
1	1	60	100	32	60	132			04/01/2016			-79.4413	44.0103	24
1	1	60	100	32	60	132			04/01/2016			-79.4414	44.0101	24
1	1	60	100	32	60	132			04/01/2016			-79.4389	44.0167	24
1	1	60	100	32	60	132			04/01/2016			-79.4421	44.0100	24
1	1	60	100	32	60	132			04/01/2016			-79.4379	44.0157	24
1	1	60	100	32	60	132			04/01/2016			-79.4437	44.0098	24
1	1	60	100	32	60	132			04/01/2016			-79.4374	44.0151	24
1	1	60	100	32	60	132			04/01/2016			-79.4370	44.0145	24
1	1	60	100	32	60	132			04/01/2016			-79.4445	44.0096	24
1	1	60	100	32	60	132			04/01/2016			-79.4445	44.0095	24
1	1	60	100	32	60	132			04/01/2016			-79.4396	44.0156	24
1	1	60	100	32	60	132			04/01/2016			-79.4436	44.0107	24
1	1	60	100	32	60	132			04/01/2016			-79.4440	44.0096	24
1	1	60	100	32	60	132			04/01/2016			-79.4383	44.0161	24
1	1	60	100	32	60	132			04/01/2016			-79.4434	44.0099	24
1	1	60	100	32	60	132			04/01/2016			-79.4403	44.0157	24
1	1	60	100	32	60	132			04/01/2016			-79.4400	44.0154	24
1	1	60	100	32	60	132			04/01/2016			-79.4392	44.0156	24
1	1	60	100	32	60	132			04/01/2016			-79.4386	44.0158	24
1	1	60	100	32	60	132			04/01/2016			-79.4438	44.0114	24
1	1	60	100	32	60	132			04/01/2016			-79.4438	44.0119	24
1	1	60	100	32	60	132			04/01/2016			-79.4440	44.0118	24
1	1	60	100	32	60	132			04/01/2016			-79.4392	44.0158	24
1	1	60	100	32	60	132			04/01/2016			-79.4400	44.0165	24
1	1	60	100	32	60	132			04/01/2016			-79.4401	44.0169	24
1	1	60	100	32	60	132			04/01/2016			-79.4439	44.0110	24
1	1	60	100	32	60	132			04/01/2016			-79.4438	44.0105	24
1	1	60	100	32	60	132			04/01/2016			-79.4396	44.0162	24
1	1	60	100	32	60	132			04/01/2016			-79.4437	44.0103	24
1	1	60	100	32	60	132			04/01/2016			-79.4410	44.0164	24
1	1	60	100	32	60	132			04/01/2016			-79.4413	44.0167	24
1	1	60	100	32	60	132			04/01/2016			-79.4407	44.0160	24
1	1	60	100	32	60	132			04/01/2016			-79.4402	44.0153	24
1	1	60	100	32	60	132			04/01/2016			-79.4447	44.0108	24
1	1	60	100	32	60	132			04/01/2016			-79.4446	44.0105	24
1	1	60	100	32	60	132			04/01/2016			-79.4399	44.0146	24
1	1	60	100	32	60	132			04/01/2016			-79.4399	44.0150	24
1	1	60	100	32	60	132			04/01/2016			-79.4396	44.0144	24
1	1	60	100	32	60	132			04/01/2016			-79.4448	44.0118	24
1	1	60	100	32	60	132			04/01/2016			-79.4397	44.0141	24
1	1	60	100	32	60	132			04/04/2016			-79.4430	44.0112	24
1	1	60	100	32	60	132			04/04/2016			-79.4401	44.0141	24
1	1	60	100	32	60	132			04/04/2016			-79.4418	44.0137	24
1	1	60	100	32	60	132			04/04/2016			-79.4410	44.0139	24
1	1	60	100	32	60	132			04/04/2016			-79.4418	44.0115	24
1	1	60	100	32	60	132			04/04/2016			-79.4426	44.0114	24
1	1	60	100	32	60	132			04/04/2016			-79.4367	44.0087	24
1	1	60	100	32	60	132			04/04/2016			-79.4369	44.0071	24
1	1	60	100	32	60	132			04/04/2016			-79.4413	44.0137	24
1	1	60	100	32	60	132			04/04/2016			-79.4405	44.0139	24
1	1	60	100	32	60	132			04/04/2016			-79.4421	44.0113	24
1	1	60	100	32	60	132			04/04/2016			-79.4436	44.0112	24
1	1	60	100	32	60	132			04/04/2016			-79.4423	44.0136	24
1	1	60	100	32	60	132			04/04/2016			-79.4400	44.0148	24
1	1	60	100	32	60	132			04/04/2016			-79.4443	44.0119	24
1	1	60	100	32	60	132			04/04/2016			-79.4427	44.0119	24
1	1	60	100	32	60	132			04/04/2016			-79.4416	44.0145	24
1	1	60	100	32	60	132			04/04/2016			-79.4448	44.0115	24
1	1	60	100	32	60	132			04/04/2016			-79.4420	44.0119	24
1	1	60	100	32	60	132			04/04/2016			-79.4426	44.0143	24
1	1	60	100	32	60	132			04/04/2016			-79.4421	44.0143	24
1	1	60	100	32	60	132			04/04/2016			-79.4433	44.0120	24

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
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Drawing Number:			
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Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	60	100	32	60	132			04/04/2016			-79.4421	44.0121	24
1	1	60	100	32	60	132			04/04/2016			-79.4405	44.0146	24
1	1	60	100	32	60	132			04/04/2016			-79.4410	44.0145	24
1	1	60	100	32	60	132			04/04/2016			-79.4410	44.0151	24
1	1	60	100	32	60	132			04/04/2016			-79.4417	44.0116	24
1	1	60	100	32	60	132			04/04/2016			-79.4429	44.0150	24
1	1	60	100	32	60	132			04/04/2016			-79.4414	44.0110	24
1	1	60	100	32	60	132			04/04/2016			-79.4417	44.0113	24
1	1	60	100	32	60	132			04/04/2016			-79.4418	44.0152	24
1	1	60	100	32	60	132			04/04/2016			-79.4413	44.0152	24
1	1	60	100	32	60	132			04/04/2016			-79.4420	44.0128	24
1	1	60	100	32	60	132			04/04/2016			-79.4419	44.0123	24
1	1	60	100	32	60	132			04/04/2016			-79.4421	44.0126	24
1	1	60	100	32	60	132			04/04/2016			-79.4423	44.0150	24
1	1	60	100	32	60	132			04/04/2016			-79.4410	44.0147	24
1	1	60	100	32	60	132			04/04/2016			-79.4392	44.0133	24
1	1	60	100	32	60	132			04/04/2016			-79.4411	44.0162	24
1	1	60	100	32	60	132			04/04/2016			-79.4425	44.0157	24
1	1	60	100	32	60	132			04/04/2016			-79.4384	44.0135	24
1	1	60	100	32	60	132			04/04/2016			-79.4414	44.0160	24
1	1	60	100	32	60	132			04/04/2016			-79.4401	44.0131	24
1	1	60	100	32	60	132			04/04/2016			-79.4409	44.0130	24
1	1	60	100	32	60	132			04/04/2016			-79.4431	44.0157	24
1	1	60	100	32	60	132			04/04/2016			-79.4420	44.0159	24
1	1	60	100	32	60	132			04/04/2016			-79.4380	44.0138	24
1	1	60	100	32	60	132			04/04/2016			-79.4374	44.0137	24
1	1	60	100	32	60	132			04/04/2016			-79.4370	44.0140	24
1	1	60	100	32	60	132			04/04/2016			-79.4432	44.0154	24
1	1	60	100	32	60	132			04/04/2016			-79.4434	44.0157	24
1	1	60	100	32	60	132			04/04/2016			-79.4397	44.0134	24
1	1	60	100	32	60	132			04/04/2016			-79.4388	44.0136	24
1	1	60	100	32	60	132			04/04/2016			-79.4406	44.0132	24
1	1	60	100	32	60	132			04/04/2016			-79.4432	44.0151	24
1	1	60	100	32	60	132			04/04/2016			-79.4430	44.0144	24
1	1	60	100	32	60	132			04/04/2016			-79.4424	44.0130	24
1	1	60	100	32	60	132			04/04/2016			-79.4415	44.0130	24
1	1	60	100	32	60	132			04/04/2016			-79.4427	44.0137	24
1	1	60	100	32	60	132			04/04/2016			-79.4420	44.0129	24
1	1	60	100	32	60	132			04/04/2016			-79.4424	44.0134	24
1	1	60	100	32	60	132			04/05/2016			-79.4431	44.0128	24
1	1	60	100	32	60	132			04/05/2016			-79.4457	44.0157	24
1	1	60	100	32	60	132			04/05/2016			-79.4457	44.0155	24
1	1	60	100	32	60	132			04/05/2016			-79.4426	44.0129	24
1	1	60	100	32	60	132			04/05/2016			-79.4441	44.0129	24
1	1	60	100	32	60	132			04/05/2016			-79.4449	44.0156	24
1	1	60	100	32	60	132			04/05/2016			-79.4442	44.0159	24
1	1	60	100	32	60	132			04/05/2016			-79.4437	44.0160	24
1	1	60	100	32	60	132			04/05/2016			-79.4436	44.0129	24
1	1	60	100	32	60	132			04/05/2016			-79.4434	44.0161	24
1	1	60	100	32	60	132			04/05/2016			-79.4451	44.0129	24
1	1	60	100	32	60	132			04/05/2016			-79.4439	44.0162	24
1	1	60	100	32	60	132			04/05/2016			-79.4433	44.0162	24
1	1	60	100	32	60	132			04/05/2016			-79.4446	44.0129	24
1	1	60	100	32	60	132			04/05/2016			-79.4450	44.0127	24
1	1	60	100	32	60	132			04/05/2016			-79.4427	44.0164	24
1	1	60	100	32	60	132			04/05/2016			-79.4422	44.0166	24
1	1	60	100	32	60	132			04/05/2016			-79.4446	44.0127	24
1	1	60	100	32	60	132			04/05/2016			-79.4442	44.0127	24
1	1	60	100	32	60	132			04/05/2016			-79.4411	44.0168	24
1	1	60	100	32	60	132			04/05/2016			-79.4404	44.0169	24
1	1	60	100	32	60	132			04/05/2016			-79.4431	44.0126	24
1	1	60	100	32	60	132			04/05/2016			-79.4404	44.0172	24
1	1	60	100	32	60	132			04/05/2016			-79.4437	44.0126	24
1	1	60	100	32	60	132			04/05/2016			-79.4422	44.0126	24
1	1	60	100	32	60	132			04/05/2016			-79.4429	44.0148	24
1	1	60	100	32	60	132			04/05/2016			-79.4427	44.0141	24
1	1	60	100	32	60	132			04/05/2016			-79.4338	44.0130	24
1	1	60	100	32	60	132			04/05/2016			-79.4426	44.0127	24
1	1	60	100	32	60	132			04/05/2016			-79.4364	44.0141	24
1	1	60	100	32	60	132			04/05/2016			-79.4353	44.0143	24
1	1	60	100	32	60	132			04/05/2016			-79.4427	44.0106	24
1	1	60	100	32	60	132			04/05/2016			-79.4364	44.0131	24
1	1	60	100	32	60	132			04/05/2016			-79.4416	44.0108	24
1	1	60	100	32	60	132			04/05/2016			-79.4432	44.0104	24
1	1	60	100	32	60	132			04/05/2016			-79.4361	44.0124	24

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
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Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	60	100	32	60	132			04/05/2016			-79.4359	44.0120	24
1	1	60	100	32	60	132			04/05/2016			-79.4443	44.0103	24
1	1	60	100	32	60	132			04/05/2016			-79.4420	44.0106	24
1	1	60	100	32	60	132			04/05/2016			-79.4356	44.0118	24
1	1	60	100	32	60	132			04/05/2016			-79.4356	44.0114	24
1	1	60	100	32	60	132			04/05/2016			-79.4359	44.0118	24
1	1	60	100	32	60	132			04/05/2016			-79.4342	44.0089	24
1	1	60	100	32	60	132			04/05/2016			-79.4361	44.0127	24
1	1	60	100	32	60	132			04/05/2016			-79.4344	44.0092	24
1	1	60	100	32	60	132			04/05/2016			-79.4364	44.0134	24
1	1	60	100	32	60	132			04/05/2016			-79.4364	44.0139	24
1	1	60	100	32	60	132			04/05/2016			-79.4367	44.0142	24
1	1	60	100	32	60	132			04/06/2016			-79.4349	44.0101	24
1	1	60	100	32	60	132			04/06/2016			-79.4352	44.0107	24
1	1	60	100	32	60	132			04/06/2016			-79.4338	44.0082	24
1	1	60	100	32	60	132			04/06/2016			-79.4340	44.0086	24
1	1	60	100	32	60	132			04/06/2016			-79.4336	44.0078	24
1	1	60	100	32	60	132			04/06/2016			-79.4333	44.0079	24
1	1	100	100	32	100	132			04/06/2016			-79.4874	43.9703	26
1	1	60	100	32	60	132			04/06/2016			-79.4335	44.0083	24
1	1	60	100	32	60	132			04/06/2016			-79.4338	44.0087	24
1	1	60	100	32	60	132			04/06/2016			-79.4340	44.0090	24
1	1	60	100	32	60	132			04/06/2016			-79.4342	44.0092	24
1	1	60	100	32	60	132			04/06/2016			-79.4864	43.9706	24
1	1	60	100	32	60	132			04/06/2016			-79.4343	44.0095	24
1	1	60	100	32	60	132			04/06/2016			-79.4346	44.0098	24
1	1	100	100	32	100	132			04/06/2016			-79.4854	43.9707	26
1	1	60	100	32	60	132			04/06/2016			-79.4352	44.0111	24
1	1	60	100	32	60	132			04/06/2016			-79.4349	44.0105	24
1	1	60	100	32	60	132			04/06/2016			-79.4350	44.0112	24
1	1	60	100	32	60	132			04/06/2016			-79.4353	44.0114	24
1	1	100	100	32	100	132			04/06/2016			-79.4844	43.9707	26
1	1	60	100	32	60	132			04/06/2016			-79.4357	44.0112	24
1	1	100	100	32	100	132			04/06/2016			-79.4823	43.9708	26
1	1	100	100	32	100	132			04/06/2016			-79.4812	43.9710	26
1	1	100	100	32	100	132			04/06/2016			-79.4795	43.9720	26
1	1	60	100	32	60	132			04/06/2016			-79.4447	44.0112	24
1	1	100	100	32	100	132			04/06/2016			-79.4785	43.9726	26
1	1	100	100	32	100	132			04/06/2016			-79.4775	43.9728	26
1	1	60	100	32	60	132			04/06/2016			-79.4369	44.0140	24
1	1	60	100	32	60	132			04/06/2016			-79.4367	44.0137	24
1	1	60	100	32	60	132			04/06/2016			-79.4422	44.0131	24
1	1	60	100	32	60	132			04/06/2016			-79.4560	44.0107	24
1	1	60	100	32	60	132			04/06/2016			-79.4549	44.0108	24
1	1	60	100	32	60	132			04/06/2016			-79.4554	44.0106	24
1	1	100	100	32	100	132			04/06/2016			-79.4749	43.9741	26
1	1	60	100	32	60	132			04/06/2016			-79.4543	44.0108	24
1	1	60	100	32	60	132			04/07/2016			-79.4873	43.9924	24
1	1	60	100	32	60	132			04/07/2016			-79.4565	44.0090	24
1	1	60	100	32	60	132			04/07/2016			-79.4571	44.0096	24
1	1	100	100	32	100	132			04/07/2016			-79.4750	43.9749	26
1	1	60	100	32	60	132			04/07/2016			-79.4559	44.0090	24
1	1	60	100	32	60	132			04/07/2016			-79.4958	44.0138	24
1	1	100	100	32	100	132			04/07/2016			-79.4754	43.9756	26
1	1	60	100	32	60	132			04/07/2016			-79.4549	44.0092	24
1	1	60	100	32	60	132			04/07/2016			-79.4539	44.0093	24
1	1	60	100	32	60	132			04/07/2016			-79.4544	44.0094	24
1	1	100	100	32	100	132			04/07/2016			-79.4764	43.9769	26
1	1	60	100	32	60	132			04/07/2016			-79.4555	44.0092	24
1	1	60	100	32	60	132			04/07/2016			-79.4568	44.0094	24
1	1	60	100	32	60	132			04/07/2016			-79.4568	44.0096	24
1	1	100	100	32	100	132			04/07/2016			-79.4769	43.9776	26
1	1	60	100	32	60	132			04/07/2016			-79.4558	44.0098	24
1	1	60	100	32	60	132			04/07/2016			-79.4546	44.0100	24
1	1	60	100	32	60	132			04/07/2016			-79.4525	44.0103	24
1	1	100	100	32	100	132			04/07/2016			-79.4772	43.9779	26
1	1	60	100	32	60	132			04/07/2016			-79.4535	44.0102	24
1	1	60	100	32	60	132			04/07/2016			-79.4520	44.0106	24
1	1	100	100	32	100	132			04/07/2016			-79.4764	43.9765	26
1	1	60	100	32	60	132			04/07/2016			-79.4541	44.0108	24
1	1	60	100	32	60	132			04/07/2016			-79.4541	44.0102	24
1	1	60	100	32	60	132			04/07/2016			-79.4531	44.0104	24
1	1	100	100	32	100	132			04/07/2016			-79.4764	43.9730	26
1	1	60	100	32	60	132			04/07/2016			-79.4552	44.0100	24
1	1	60	100	32	60	132			04/07/2016			-79.4564	44.0098	24

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
Date This Report Prepared:	April 29,2016	**Report completed by:**	RealTerm Energy
Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	100	100	32	100	132			04/07/2016			-79.4758	43.9758	26
1	1	100	100	32	100	132			04/07/2016			-79.4754	43.9752	26
1	1	60	100	32	60	132			04/07/2016			-79.4536	44.0097	24
1	1	60	100	32	60	132			04/07/2016			-79.4538	44.0104	24
1	1	100	100	32	100	132			04/07/2016			-79.4754	43.9734	26
1	1	100	100	32	100	132			04/07/2016			-79.4751	43.9745	26
1	1	100	100	32	100	132			04/07/2016			-79.4753	43.9738	26
1	1	100	100	32	100	132			04/07/2016			-79.4759	43.9762	26
1	1	60	100	32	60	132			04/07/2016			-79.4532	44.0090	24
1	1	60	100	32	60	132			04/07/2016			-79.4533	44.0094	24
1	1	100	100	32	100	132			04/08/2016			-79.4768	43.9771	26
1	1	100	100	32	100	132			04/08/2016			-79.4759	43.9733	26
1	1	60	100	32	60	132			04/08/2016			-79.4863	43.9699	24
1	1	100	100	32	100	132			04/08/2016			-79.4770	43.9731	26
1	1	60	100	32	60	132			04/08/2016			-79.4872	43.9695	24
1	1	100	100	32	100	132			04/08/2016			-79.4780	43.9729	26
1	1	60	100	32	60	132			04/08/2016			-79.4869	43.9689	24
1	1	60	100	32	60	132			04/08/2016			-79.4860	43.9689	24
1	1	100	100	32	100	132			04/08/2016			-79.4791	43.9725	26
1	1	100	100	32	100	132			04/08/2016			-79.4800	43.9719	26
1	1	100	100	32	100	132			04/08/2016			-79.4807	43.9714	26
1	1	60	100	32	60	132			04/08/2016			-79.4856	43.9691	24
1	1	60	100	32	60	132			04/08/2016			-79.4850	43.9691	24
1	1	100	100	32	100	132			04/08/2016			-79.4829	43.9709	26
1	1	100	100	32	100	132			04/08/2016			-79.4818	43.9711	26
1	1	60	100	32	60	132			04/08/2016			-79.4865	43.9690	24
1	1	60	100	32	60	132			04/08/2016			-79.4869	43.9693	24
1	1	100	100	32	100	132			04/08/2016			-79.4840	43.9709	26
1	1	100	100	32	100	132			04/08/2016			-79.4858	43.9709	26
1	1	100	100	32	100	132			04/08/2016			-79.4849	43.9709	26
1	1	100	100	32	100	132			04/08/2016			-79.4870	43.9706	26
1	1	60	100	32	60	132			04/08/2016			-79.4505	44.0123	24
1	1	60	100	32	60	132			04/08/2016			-79.4503	44.0117	24
1	1	60	100	32	60	132			04/08/2016			-79.4853	43.9700	24
1	1	60	100	32	60	132			04/08/2016			-79.4507	44.0129	24
1	1	100	100	32	100	132			04/08/2016			-79.4880	43.9704	26
1	1	60	100	32	60	132			04/08/2016			-79.4510	44.0138	24
1	1	60	100	32	60	132			04/08/2016			-79.4868	43.9696	24
1	1	60	100	32	60	132			04/08/2016			-79.4510	44.0133	24
1	1	60	100	32	60	132			04/08/2016			-79.4513	44.0141	24
1	1	100	100	32	100	132			04/08/2016			-79.4884	43.9702	26
1	1	100	100	32	100	132			04/08/2016			-79.4884	43.9702	26
1	1	60	100	32	60	132			04/08/2016			-79.4862	43.9723	24
1	1	60	100	32	60	132			04/08/2016			-79.4507	44.0126	24
1	1	60	100	32	60	132			04/08/2016			-79.4509	44.0128	24
1	1	60	100	32	60	132			04/08/2016			-79.4865	43.9721	24
1	1	100	100	32	100	132			04/08/2016			-79.4861	43.9710	26
1	1	60	100	32	60	132			04/08/2016			-79.4858	43.9699	24
1	1	60	100	32	60	132			04/11/2016			-79.4807	43.9704	24
1	1	60	100	32	60	132			04/11/2016			-79.4864	43.9714	24
1	1	60	100	32	60	132			04/11/2016			-79.4839	43.9702	24
1	1	60	100	32	60	132			04/11/2016			-79.4836	43.9697	24
1	1	60	100	32	60	132			04/11/2016			-79.4804	43.9721	24
1	1	60	100	32	60	132			04/11/2016			-79.4838	43.9694	24
1	1	60	100	32	60	132			04/11/2016			-79.4833	43.9688	24
1	1	60	100	32	60	132			04/11/2016			-79.4807	43.9728	24
1	1	60	100	32	60	132			04/11/2016			-79.4828	43.9687	24
1	1	60	100	32	60	132			04/11/2016			-79.4805	43.9732	24
1	1	60	100	32	60	132			04/11/2016			-79.4826	43.9690	24
1	1	60	100	32	60	132			04/11/2016			-79.4825	43.9699	24
1	1	60	100	32	60	132			04/11/2016			-79.4809	43.9731	24
1	1	60	100	32	60	132			04/11/2016			-79.4827	43.9706	24
1	1	60	100	32	60	132			04/11/2016			-79.4826	43.9695	24
1	1	60	100	32	60	132			04/11/2016			-79.4836	43.9691	24
1	1	60	100	32	60	132			04/11/2016			-79.4818	43.9708	24
1	1	60	100	32	60	132			04/11/2016			-79.4827	43.9702	24
1	1	60	100	32	60	132			04/11/2016			-79.4838	43.9706	24
1	1	60	100	32	60	132			04/11/2016			-79.4815	43.9700	24
1	1	60	100	32	60	132			04/11/2016			-79.4811	43.9701	24
1	1	60	100	32	60	132			04/11/2016			-79.4803	43.9702	24
1	1	60	100	32	60	132			04/11/2016			-79.4543	44.0124	24
1	1	60	100	32	60	132			04/11/2016			-79.4541	44.0116	24
1	1	60	100	32	60	132			04/11/2016			-79.4815	43.9704	24
1	1	60	100	32	60	132			04/11/2016			-79.4546	44.0132	24
1	1	60	100	32	60	132			04/11/2016			-79.4544	44.0135	24

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
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Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	60	100	32	60	132			04/12/2016			-79.4478	44.0152	24
1	1	60	100	32	60	132			04/12/2016			-79.4472	44.0154	24
1	1	60	100	32	60	132			04/12/2016			-79.4486	44.0151	24
1	1	60	100	32	60	132			04/12/2016			-79.4481	44.0058	24
1	1	60	100	32	60	132			04/12/2016			-79.4485	44.0058	24
1	1	60	100	32	60	132			04/12/2016			-79.4807	43.9724	24
1	1	60	100	32	60	132			04/12/2016			-79.4518	44.0141	24
1	1	60	100	32	60	132			04/12/2016			-79.4497	44.0148	24
1	1	60	100	32	60	132			04/12/2016			-79.4507	44.0145	24
1	1	60	100	32	60	132			04/12/2016			-79.4490	44.0059	24
1	1	60	100	32	60	132			04/12/2016			-79.4500	44.0062	24
1	1	60	100	32	60	132			04/12/2016			-79.4527	44.0139	24
1	1	60	100	32	60	132			04/12/2016			-79.4804	43.9718	24
1	1	60	100	32	60	132			04/12/2016			-79.4546	44.0128	24
1	1	60	100	32	60	132			04/12/2016			-79.4538	44.0137	24
1	1	60	100	32	60	132			04/12/2016			-79.4495	44.0061	24
1	1	60	100	32	60	132			04/12/2016			-79.4548	44.0135	24
1	1	60	100	32	60	132			04/12/2016			-79.4863	43.9718	24
1	1	60	100	32	60	132			04/12/2016			-79.4541	44.0110	24
1	1	60	100	32	60	132			04/12/2016			-79.4490	44.0077	24
1	1	60	100	32	60	132			04/12/2016			-79.4480	44.0079	24
1	1	60	100	32	60	132			04/12/2016			-79.4544	44.0120	24
1	1	60	100	32	60	132			04/12/2016			-79.4541	44.0112	24
1	1	60	100	32	60	132			04/12/2016			-79.4537	44.0109	24
1	1	60	100	32	60	132			04/12/2016			-79.4482	44.0087	24
1	1	60	100	32	60	132			04/12/2016			-79.4478	44.0079	24
1	1	60	100	32	60	132			04/12/2016			-79.4536	44.0101	24
1	1	60	100	32	60	132			04/12/2016			-79.4538	44.0111	24
1	1	60	100	32	60	132			04/12/2016			-79.4536	44.0110	24
1	1	60	100	32	60	132			04/12/2016			-79.4525	44.0111	24
1	1	60	100	32	60	132			04/12/2016			-79.4493	44.0085	24
1	1	60	100	32	60	132			04/12/2016			-79.4497	44.0083	24
1	1	60	100	32	60	132			04/12/2016			-79.4511	44.0113	24
1	1	60	100	32	60	132			04/12/2016			-79.4513	44.0113	24
1	1	60	100	32	60	132			04/12/2016			-79.4511	44.0116	24
1	1	60	100	32	60	132			04/12/2016			-79.4487	44.0085	24
1	1	60	100	32	60	132			04/12/2016			-79.4481	44.0085	24
1	1	60	100	32	60	132			04/12/2016			-79.4531	44.0112	24
1	1	60	100	32	60	132			04/12/2016			-79.4519	44.0112	24
1	1	60	100	32	60	132			04/12/2016			-79.4519	44.0114	24
1	1	60	100	32	60	132			04/12/2016			-79.4532	44.0137	24
1	1	60	100	32	60	132			04/12/2016			-79.4795	43.9728	24
1	1	60	100	32	60	132			04/12/2016			-79.4480	44.0081	24
1	1	60	100	32	60	132			04/12/2016			-79.4486	44.0079	24
1	1	60	100	32	60	132			04/12/2016			-79.4522	44.0139	24
1	1	60	100	32	60	132			04/12/2016			-79.4511	44.0142	24
1	1	60	100	32	60	132			04/12/2016			-79.4792	43.9736	24
1	1	60	100	32	60	132			04/12/2016			-79.4502	44.0146	24
1	1	60	100	32	60	132			04/12/2016			-79.4496	44.0077	24
1	1	60	100	32	60	132			04/12/2016			-79.4471	44.0153	24
1	1	60	100	32	60	132			04/12/2016			-79.4491	44.0148	24
1	1	60	100	32	60	132			04/12/2016			-79.4518	44.0082	24
1	1	60	100	32	60	132			04/12/2016			-79.4507	44.0082	24
1	1	60	100	32	60	132			04/12/2016			-79.4481	44.0151	24
1	1	60	100	32	60	132			04/12/2016			-79.4794	43.9742	24
1	1	60	100	32	60	132			04/12/2016			-79.4527	44.0088	24
1	1	60	100	32	60	132			04/12/2016			-79.4524	44.0087	24
1	1	60	100	32	60	132			04/12/2016			-79.4796	43.9750	24
1	1	60	100	32	60	132			04/12/2016			-79.4465	44.0155	24
1	1	60	100	32	60	132			04/12/2016			-79.4465	44.0155	24
1	1	60	100	32	60	132			04/12/2016			-79.4789	43.9753	24
1	1	60	100	32	60	132			4/13/2016 1:02:42 PM			-79.4797	43.9754	24
1	1	60	100	32	60	132			4/13/2016 1:07:56 PM			-79.4515	44.0133	24
1	1	60	100	32	60	132			4/13/2016 1:10:21 PM			-79.4850	43.9701	24
1	1	60	100	32	60	132			4/13/2016 1:11:53 PM			-79.4524	44.0131	24
1	1	60	100	32	60	132			4/13/2016 1:13:58 PM			-79.4783	43.9719	24
1	1	60	100	32	60	132			4/13/2016 1:25:02 PM			-79.4511	44.0135	24
1	1	60	100	32	60	132			4/13/2016 1:28:29 PM			-79.4849	43.9693	24
1	1	60	100	32	60	132			4/13/2016 1:28:58 PM			-79.4797	43.9746	24
1	1	60	100	32	60	132			4/13/2016 1:29:38 PM			-79.4520	44.0133	24
1	1	60	100	32	60	132			4/13/2016 1:32:50 PM			-79.4529	44.0132	24
1	1	60	100	32	60	132			4/13/2016 1:40:49 PM			-79.4786	43.9716	24
1	1	60	100	32	60	132			4/13/2016 1:48:47 PM			-79.4847	43.9685	24
1	1	60	100	32	60	132			4/13/2016 1:50:17 PM			-79.4795	43.9739	24
1	1	60	100	32	60	132			4/13/2016 12:39:23 PM			-79.4520	44.0089	24

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
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Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	60	100	32	60	132			4/13/2016 12:51:23 PM			-79.4544	44.0128	24
1	1	60	100	32	60	132			4/13/2016 12:52:13 PM			-79.4533	44.0130	24
1	1	60	100	32	60	132			4/13/2016 2:09:50 PM			-79.4783	43.9712	24
1	1	60	100	32	60	132			4/13/2016 2:14:21 PM			-79.4836	43.9680	24
1	1	60	100	32	60	132			4/13/2016 2:15:05 PM			-79.4539	44.0130	24
1	1	60	100	32	60	132			4/13/2016 2:17:04 PM			-79.4527	44.0125	24
1	1	60	100	32	60	132			4/13/2016 2:28:36 PM			-79.4795	43.9732	24
1	1	60	100	32	60	132			4/13/2016 2:33:38 PM			-79.4518	44.0126	24
1	1	60	100	32	60	132			4/13/2016 2:34:27 PM			-79.4535	44.0123	24
1	1	60	100	32	60	132			4/13/2016 2:34:45 PM			-79.4787	43.9707	24
1	1	60	100	32	60	132			4/13/2016 2:44:10 PM			-79.4828	43.9675	24
1	1	60	100	32	60	132			4/13/2016 2:49:09 PM			-79.4794	43.9724	24
1	1	60	100	32	60	132			4/13/2016 2:51:45 PM			-79.4513	44.0128	24
1	1	60	100	32	60	132			4/13/2016 2:52:26 PM			-79.4522	44.0127	24
1	1	60	100	32	60	132			4/13/2016 3:14:44 PM			-79.4531	44.0125	24
1	1	60	100	32	60	132			4/13/2016 3:15:18 PM			-79.4828	43.9665	24
1	1	60	100	32	60	132			4/13/2016 3:16:54 PM			-79.4785	43.9747	24
1	1	60	100	32	60	132			4/13/2016 3:21:46 PM			-79.4792	43.9708	24
1	1	60	100	32	60	132			4/13/2016 3:40:46 PM			-79.4826	43.9668	24
1	1	60	100	32	60	132			4/13/2016 3:41:04 PM			-79.4777	43.9745	24
1	1	60	100	32	60	132			4/13/2016 3:41:04 PM			-79.4542	44.0123	24
1	1	60	100	32	60	132			4/13/2016 3:41:22 PM			-79.4825	43.9672	24
1	1	60	100	32	60	132			4/13/2016 4:06:05 PM			-79.4763	43.9751	24
1	1	60	100	32	60	132			4/13/2016 4:46:44 PM			-79.4522	44.0115	24
1	1	60	100	32	60	132			4/13/2016 5:05:43 PM			-79.4768	43.9755	24
1	1	60	100	32	60	132			4/13/2016 5:07:38 PM			-79.4830	43.9679	24
1	1	60	100	32	60	132			4/13/2016 5:16:02 PM			-79.4524	44.0119	24
1	1	60	100	32	60	132			4/13/2016 5:16:19 PM			-79.4522	44.0119	24
1	1	60	100	32	60	132			4/13/2016 5:27:49 PM			-79.4841	43.9683	24
1	1	60	100	32	60	132			4/13/2016 5:32:27 PM			-79.4771	43.9748	24
1	1	60	100	32	60	132			4/13/2016 5:34:22 PM			-79.4513	44.0121	24
1	1	60	100	32	60	132			4/13/2016 5:35:15 PM			-79.4796	43.9711	24
1	1	60	100	32	60	132			4/13/2016 5:36:10 PM			-79.4507	44.0123	24
1	1	60	100	32	60	132			4/13/2016 5:55:30 PM			-79.4519	44.0121	24
1	1	60	100	32	60	132			4/13/2016 5:56:49 PM			-79.4793	43.9705	24
1	1	60	100	32	60	132			4/13/2016 5:56:54 PM			-79.4540	44.0118	24
1	1	60	100	32	60	132			4/13/2016 5:58:15 PM			-79.4530	44.0120	24
1	1	60	100	32	60	132			4/13/2016 5:59:59 PM			-79.4782	43.9746	24
1	1	60	100	32	60	132			4/13/2016 6:16:59 PM			-79.4791	43.9705	24
1	1	60	100	32	60	132			4/13/2016 6:23:07 PM			-79.4520	44.0108	24
1	1	60	100	32	60	132			4/13/2016 6:24:05 PM			-79.4538	44.0107	24
1	1	60	100	32	60	132			4/13/2016 6:40:23 PM			-79.4785	43.9751	24
1	1	60	100	32	60	132			4/13/2016 6:47:43 PM			-79.4780	43.9707	24
1	1	60	100	32	60	132			4/14/2016 1:04:00 PM			-79.4804	43.9773	24
1	1	60	100	32	60	132			4/14/2016 1:07:54 PM			-79.4515	44.0099	24
1	1	60	100	32	60	132			4/14/2016 1:07:54 PM			-79.4512	44.0099	24
1	1	60	100	32	60	132			4/14/2016 1:10:36 PM			-79.4518	44.0102	24
1	1	60	100	32	60	132			4/14/2016 1:21:15 PM			-79.4780	43.9709	24
1	1	60	100	32	60	132			4/14/2016 1:24:29 PM			-79.4523	44.0097	24
1	1	60	100	32	60	132			4/14/2016 1:25:51 PM			-79.4527	44.0095	24
1	1	60	100	32	60	132			4/14/2016 1:29:26 PM			-79.4533	44.0096	24
1	1	60	100	32	60	132			4/14/2016 1:31:02 PM			-79.4802	43.9765	24
1	1	60	100	32	60	132			4/14/2016 1:39:20 PM			-79.4783	43.9716	24
1	1	60	100	32	60	132			4/14/2016 1:45:48 PM			-79.4517	44.0097	24
1	1	60	100	32	60	132			4/14/2016 1:48:11 PM			-79.4508	44.0099	24
1	1	60	100	32	60	132			4/14/2016 1:58:53 PM			-79.4777	43.9719	24
1	1	60	100	32	60	132			4/14/2016 12:39:51 PM			-79.4518	44.0106	24
1	1	60	100	32	60	132			4/14/2016 12:41:32 PM			-79.4848	43.9697	24
1	1	60	100	32	60	132			4/14/2016 12:42:06 PM			-79.4847	43.9689	24
1	1	60	100	32	60	132			4/14/2016 2:01:25 PM			-79.4799	43.9757	24
1	1	60	100	32	60	132			4/14/2016 2:07:05 PM			-79.4498	44.0081	24
1	1	60	100	32	60	132			4/14/2016 2:08:12 PM			-79.4499	44.0077	24
1	1	60	100	32	60	132			4/14/2016 2:10:19 PM			-79.4505	44.0101	24
1	1	60	100	32	60	132			4/14/2016 2:10:36 PM			-79.4503	44.0095	24
1	1	60	100	32	60	132			4/14/2016 2:10:59 PM			-79.4500	44.0088	24
1	1	60	100	32	60	132			4/14/2016 2:28:05 PM			-79.4775	43.9722	24
1	1	60	100	32	60	132			4/14/2016 2:28:42 PM			-79.4777	43.9755	24
1	1	60	100	32	60	132			4/14/2016 2:41:58 PM			-79.4772	43.9715	24
1	1	60	100	32	60	132			4/14/2016 2:51:04 PM			-79.4507	44.0108	24
1	1	60	100	32	60	132			4/14/2016 2:53:51 PM			-79.4505	44.0097	24
1	1	60	100	32	60	132			4/14/2016 2:59:25 PM			-79.4765	43.9757	24
1	1	60	100	32	60	132			4/14/2016 3:13:24 PM			-79.4508	44.0104	24
1	1	60	100	32	60	132			4/14/2016 3:16:55 PM			-79.4510	44.0111	24
1	1	60	100	32	60	132			4/14/2016 3:27:16 PM			-79.4763	43.9759	24
1	1	60	100	32	60	132			4/14/2016 3:32:55 PM			-79.4509	44.0091	24

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
Date This Report Prepared:	April 29,2016	**Report completed by:**	RealTerm Energy
Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	60	100	32	60	132			4/14/2016 3:35:35 PM			-79.4515	44.0091	24
1	1	60	100	32	60	132			4/14/2016 3:36:18 PM			-79.4505	44.0093	24
1	1	60	100	32	60	132			4/14/2016 3:41:50 PM			-79.4769	43.9707	24
1	1	60	100	32	60	132			4/14/2016 4:34:00 PM			-79.4503	44.0091	24
1	1	60	100	32	60	132			4/14/2016 4:38:04 PM			-79.4512	44.0080	24
1	1	60	100	32	60	132			4/14/2016 4:41:49 PM			-79.4523	44.0084	24
1	1	60	100	32	60	132			4/14/2016 4:51:57 PM			-79.4501	44.0084	24
1	1	60	100	32	60	132			4/14/2016 4:56:28 PM			-79.4501	44.0082	24
1	1	60	100	32	60	132			4/14/2016 5:21:38 PM			-79.4783	43.9755	24
1	1	60	100	32	60	132			4/14/2016 5:22:23 PM			-79.4469	44.0145	24
1	1	60	100	32	60	132			4/14/2016 5:26:06 PM			-79.4772	43.9757	24
1	1	60	100	32	60	132			4/14/2016 5:27:04 PM			-79.4767	43.9699	24
1	1	60	100	32	60	132			4/14/2016 5:38:00 PM			-79.4465	44.0147	24
1	1	60	100	32	60	132			4/14/2016 5:40:16 PM			-79.4485	44.0142	24
1	1	60	100	32	60	132			4/14/2016 5:44:52 PM			-79.4768	43.9693	24
1	1	60	100	32	60	132			4/14/2016 5:58:16 PM			-79.4496	44.0139	24
1	1	60	100	32	60	132			4/14/2016 5:58:38 PM			-79.4480	44.0144	24
1	1	60	100	32	60	132			4/14/2016 5:58:58 PM			-79.4476	44.0145	24
1	1	60	100	32	60	132			4/14/2016 6:02:28 PM			-79.4794	43.9756	24
1	1	60	100	32	60	132			4/14/2016 6:10:15 PM			-79.4769	43.9686	24
1	1	60	100	32	60	132			4/14/2016 6:11:41 PM			-79.4490	44.0142	24
1	1	60	100	32	60	132			4/14/2016 6:12:41 PM			-79.4473	44.0140	24
1	1	60	100	32	60	132			4/14/2016 6:13:42 PM			-79.4476	44.0143	24
1	1	60	100	32	60	132			4/14/2016 6:25:46 PM			-79.4473	44.0135	24
1	1	60	100	32	60	132			4/15/2016 1:00:53 PM			-79.4477	44.0132	24
1	1	60	100	32	60	132			4/15/2016 1:14:48 PM			-79.4471	44.0134	24
1	1	60	100	32	60	132			4/15/2016 1:16:34 PM			-79.4461	44.0136	24
1	1	60	100	32	60	132			4/15/2016 1:18:35 PM			-79.4467	44.0135	24
1	1	60	100	32	60	132			4/15/2016 1:32:33 PM			-79.4461	44.0142	24
1	1	60	100	32	60	132			4/15/2016 1:34:53 PM			-79.4768	43.9678	24
1	1	60	100	32	60	132			4/15/2016 1:45:28 PM			-79.4461	44.0139	24
1	1	60	100	32	60	132			4/15/2016 12:54:36 PM			-79.4487	44.0129	24
1	1	60	100	32	60	132			4/15/2016 2:03:14 PM			-79.4493	44.0129	24
1	1	60	100	32	60	132			4/15/2016 2:04:41 PM			-79.4766	43.9682	24
1	1	60	100	32	60	132			4/15/2016 2:07:08 PM			-79.4483	44.0132	24
1	1	60	100	32	60	132			4/15/2016 2:11:21 PM			-79.4502	44.0148	24
1	1	60	100	32	60	132			4/15/2016 2:21:46 PM			-79.4499	44.0144	24
1	1	60	100	32	60	132			4/15/2016 2:28:30 PM			-79.4800	43.9761	24
1	1	60	100	32	60	132			4/15/2016 2:29:35 PM			-79.4767	43.9689	24
1	1	60	100	32	60	132			4/15/2016 2:33:28 PM			-79.4498	44.0135	24
1	1	60	100	32	60	132			4/15/2016 2:39:52 PM			-79.4499	44.0139	24
1	1	60	100	32	60	132			4/15/2016 2:46:14 PM			-79.4765	43.9696	24
1	1	60	100	32	60	132			4/15/2016 2:48:01 PM			-79.4495	44.0127	24
1	1	60	100	32	60	132			4/15/2016 2:56:56 PM			-79.4496	44.0131	24
1	1	60	100	32	60	132			4/15/2016 3:11:42 PM			-79.4801	43.9769	24
1	1	60	100	32	60	132			4/15/2016 3:11:45 PM			-79.4494	44.0123	24
1	1	60	100	32	60	132			4/15/2016 3:17:21 PM			-79.4766	43.9704	24
1	1	60	100	32	60	132			4/15/2016 3:24:09 PM			-79.4493	44.0119	24
1	1	60	100	32	60	132			4/15/2016 3:49:44 PM			-79.4769	43.9711	24
1	1	60	100	32	60	132			4/15/2016 3:50:43 PM			-79.4769	43.9767	24
1	1	60	100	32	60	132			4/15/2016 4:05:28 PM			-79.4772	43.9719	24
1	1	60	100	32	60	132			4/15/2016 4:34:04 PM			-79.4507	44.0115	24
1	1	60	100	32	60	132			4/15/2016 5:19:04 PM			-79.4493	44.0119	24
1	1	60	100	32	60	132			4/15/2016 5:43:31 PM			-79.4780	43.9765	24
1	1	60	100	32	60	132			4/15/2016 5:44:04 PM			-79.4776	43.9726	24
1	1	60	100	32	60	132			4/15/2016 5:48:11 PM			-79.4507	44.0115	24
1	1	60	100	32	60	132			4/15/2016 5:48:33 PM			-79.4503	44.0116	24
1	1	60	100	32	60	132			4/15/2016 6:02:35 PM			-79.4789	43.9764	24
1	1	60	100	32	60	132			4/15/2016 6:10:03 PM			-79.4777	43.9700	24
1	1	60	100	32	60	132			4/15/2016 6:14:58 PM			-79.4498	44.0117	24
1	1	60	100	32	60	132			4/15/2016 6:16:15 PM			-79.4503	44.0116	24
1	1	60	100	32	60	132			4/15/2016 6:21:01 PM			-79.4790	43.9769	24
1	1	60	100	32	60	132			4/15/2016 6:30:50 PM			-79.4787	43.9698	24
1	1	60	100	32	60	132			4/15/2016 6:52:05 PM			-79.4498	44.0117	24
1	1	60	100	32	60	132			4/18/2016 1:09:37 PM			-79.4986	44.0153	24
1	1	60	100	32	60	132			4/18/2016 1:25:08 PM			-79.4483	44.0120	24
1	1	60	100	32	60	132			4/18/2016 1:33:47 PM			-79.4785	43.9772	24
1	1	60	100	32	60	132			4/18/2016 1:44:08 PM			-79.4477	44.0122	24
1	1	60	100	32	60	132			4/18/2016 1:52:11 PM			-79.4477	44.0122	24
1	1	60	100	32	60	132			4/18/2016 1:53:17 PM			-79.4774	43.9775	24
1	1	60	100	32	60	132			4/18/2016 12:53:07 PM			-79.4489	44.0119	24
1	1	60	100	32	60	132			4/18/2016 12:55:06 PM			-79.4489	44.0118	24
1	1	60	100	32	60	132			4/18/2016 12:58:56 PM			-79.4483	44.0120	24
1	1	60	100	32	60	132			4/18/2016 2:13:43 PM			-79.4471	44.0124	24
1	1	60	100	32	60	132			4/18/2016 2:20:49 PM			-79.4471	44.0124	24

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
Date This Report Prepared:	April 29,2016	**Report completed by:**	RealTerm Energy
Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	60	100	32	60	132			4/18/2016 2:40:25 PM			-79.4465	44.0126	24
1	1	60	100	32	60	132			4/18/2016 2:41:16 PM			-79.4459	44.0127	24
1	1	60	100	32	60	132			4/18/2016 2:42:47 PM			-79.4465	44.0126	24
1	1	60	100	32	60	132			4/18/2016 2:51:09 PM			-79.4780	43.9775	24
1	1	60	100	32	60	132			4/18/2016 3:01:29 PM			-79.4459	44.0127	24
1	1	60	100	32	60	132			4/18/2016 3:15:20 PM			-79.4790	43.9773	24
1	1	60	100	32	60	132			4/18/2016 3:20:16 PM			-79.4492	44.0117	24
1	1	60	100	32	60	132			4/18/2016 3:41:53 PM			-79.4791	43.9766	24
1	1	60	100	32	60	132			4/18/2016 4:46:46 PM			-79.4949	44.0134	24
1	1	60	100	32	60	132			4/18/2016 4:50:15 PM			-79.4951	44.0146	24
1	1	60	100	32	60	132			4/18/2016 5:04:50 PM			-79.4785	43.9762	24
1	1	60	100	32	60	132			4/18/2016 5:10:03 PM			-79.4952	44.0154	24
1	1	60	100	32	60	132			4/18/2016 5:20:43 PM			-79.4963	44.0156	24
1	1	60	100	32	60	132			4/18/2016 5:28:55 PM			-79.4774	43.9765	24
1	1	60	100	32	60	132			4/18/2016 5:30:26 PM			-79.4948	44.0138	24
1	1	60	100	32	60	132			4/18/2016 5:30:55 PM			-79.4954	44.0158	24
1	1	60	100	32	60	132			4/18/2016 5:50:22 PM			-79.4969	44.0160	24
1	1	60	100	32	60	132			4/18/2016 6:01:42 PM			-79.4969	44.0156	24
1	1	60	100	32	60	132			4/18/2016 6:01:54 PM			-79.4744	43.9762	24
1	1	60	100	32	60	132			4/18/2016 6:17:40 PM			-79.4974	44.0154	24
1	1	60	100	32	60	132			4/18/2016 6:31:26 PM			-79.4742	43.9754	24
1	1	60	100	32	60	132			4/19/2016 1:02:45 PM			-79.4984	44.0157	24
1	1	60	100	32	60	132			4/19/2016 1:05:25 PM			-79.4779	43.9692	24
1	1	60	100	32	60	132			4/19/2016 1:08:13 PM			-79.4770	43.9693	24
1	1	60	100	32	60	132			4/19/2016 1:09:14 PM			-79.4980	44.0152	24
1	1	60	100	32	60	132			4/19/2016 1:10:58 PM			-79.4971	44.0163	24
1	1	60	100	32	60	132			4/19/2016 1:18:35 PM			-79.4969	44.0154	24
1	1	60	100	32	60	132			4/19/2016 1:22:50 PM			-79.4958	44.0155	24
1	1	60	100	32	60	132			4/19/2016 1:25:59 PM			-79.4967	44.0147	24
1	1	60	100	32	60	132			4/19/2016 1:35:51 PM			-79.4954	44.0150	24
1	1	60	100	32	60	132			4/19/2016 1:36:48 PM			-79.4956	44.0148	24
1	1	60	100	32	60	132			4/19/2016 1:45:11 PM			-79.4844	43.9667	24
1	1	60	100	32	60	132			4/19/2016 1:50:57 PM			-79.4977	44.0145	24
1	1	60	100	32	60	132			4/19/2016 1:53:14 PM			-79.4839	43.9673	24
1	1	60	100	32	60	132			4/19/2016 1:53:38 PM			-79.4982	44.0143	24
1	1	60	100	32	60	132			4/19/2016 1:54:17 PM			-79.4972	44.0145	24
1	1	60	100	32	60	132			4/19/2016 12:55:21 PM			-79.4981	44.0154	24
1	1	60	100	32	60	132			4/19/2016 12:58:36 PM			-79.4984	44.0161	24
1	1	60	100	32	60	132			4/19/2016 2:04:54 PM			-79.4961	44.0146	24
1	1	60	100	32	60	132			4/19/2016 2:14:30 PM			-79.4953	44.0140	24
1	1	60	100	32	60	132			4/19/2016 2:14:51 PM			-79.4855	43.9665	24
1	1	60	100	32	60	132			4/19/2016 2:22:42 PM			-79.4952	44.0141	24
1	1	60	100	32	60	132			4/19/2016 2:23:33 PM			-79.4964	44.0139	24
1	1	60	100	32	60	132			4/19/2016 2:24:45 PM			-79.4974	44.0137	24
1	1	60	100	32	60	132			4/19/2016 2:30:43 PM			-79.4983	44.0138	24
1	1	60	100	32	60	132			4/19/2016 2:32:31 PM			-79.4736	43.9754	24
1	1	60	100	32	60	132			4/19/2016 2:41:29 PM			-79.4979	44.0136	24
1	1	60	100	32	60	132			4/19/2016 2:47:36 PM			-79.4968	44.0137	24
1	1	60	100	32	60	132			4/19/2016 2:51:06 PM			-79.4984	44.0142	24
1	1	60	100	32	60	132			4/19/2016 2:51:39 PM			-79.4863	43.9665	24
1	1	60	100	32	60	132			4/19/2016 3:03:47 PM			-79.4727	43.9758	24
1	1	60	100	32	60	132			4/19/2016 3:12:24 PM			-79.4862	43.9672	24
1	1	60	100	32	60	132			4/19/2016 3:34:36 PM			-79.4724	43.9766	24
1	1	60	100	32	60	132			4/19/2016 3:47:02 PM			-79.4818	43.9676	24
1	1	60	100	32	60	132			4/19/2016 3:54:16 PM			-79.4864	43.9670	24
1	1	60	100	32	60	132			4/19/2016 3:57:08 PM			-79.4700	43.9795	24
1	1	60	100	32	60	132			4/19/2016 3:57:49 PM			-79.4815	43.9673	24
1	1	60	100	32	60	132			4/19/2016 4:51:55 PM			-79.4796	43.9675	24
1	1	60	100	32	60	132			4/19/2016 4:53:59 PM			-79.4807	43.9673	24
1	1	60	100	32	60	132			4/19/2016 4:58:11 PM			-79.4786	43.9677	24
1	1	60	100	32	60	132			4/19/2016 5:12:18 PM			-79.4780	43.9687	24
1	1	60	100	32	60	132			4/19/2016 5:18:00 PM			-79.4851	43.9674	24
1	1	60	100	32	60	132			4/19/2016 5:21:26 PM			-79.4731	43.9756	24
1	1	60	100	32	60	132			4/19/2016 5:23:06 PM			-79.4777	43.9680	24
1	1	60	100	32	60	132			4/19/2016 5:25:12 PM			-79.4775	43.9691	24
1	1	60	100	32	60	132			4/19/2016 5:38:42 PM			-79.4781	43.9679	24
1	1	60	100	32	60	132			4/19/2016 5:50:27 PM			-79.4845	43.9681	24
1	1	60	100	32	60	132			4/19/2016 5:56:21 PM			-79.4792	43.9677	24
1	1	60	100	32	60	132			4/19/2016 5:56:39 PM			-79.4802	43.9675	24
1	1	60	100	32	60	132			4/19/2016 6:04:10 PM			-79.4789	43.9680	24
1	1	60	100	32	60	132			4/19/2016 6:07:58 PM			-79.4741	43.9758	24
1	1	60	100	32	60	132			4/19/2016 6:09:49 PM			-79.4849	43.9677	24
1	1	60	100	32	60	132			4/19/2016 6:17:30 PM			-79.4791	43.9688	24
1	1	60	100	32	60	132			4/19/2016 6:19:43 PM			-79.4813	43.9673	24
1	1	60	100	32	60	132			4/19/2016 6:30:32 PM			-79.4856	43.9674	24

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
Date This Report Prepared:	April 29,2016	**Report completed by:**	RealTerm Energy
Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	60	100	32	60	132			4/19/2016 6:35:00 PM			-79.4744	43.9766	24
1	1	60	100	32	60	132			4/20/2016 1:09:59 PM			-79.4950	44.0116	24
1	1	60	100	32	60	132			4/20/2016 1:30:48 PM			-79.4866	43.9672	24
1	1	60	100	32	60	132			4/20/2016 1:44:17 PM			-79.4964	44.0113	24
1	1	60	100	32	60	132			4/20/2016 1:59:24 PM			-79.4743	43.9772	24
1	1	60	100	32	60	132			4/20/2016 12:52:06 PM			-79.4944	44.0123	24
1	1	60	100	32	60	132			4/20/2016 2:09:02 PM			-79.4970	44.0112	24
1	1	60	100	32	60	132			4/20/2016 2:14:10 PM			-79.4968	44.0104	24
1	1	60	100	32	60	132			4/20/2016 2:29:53 PM			-79.4744	43.9780	24
1	1	60	100	32	60	132			4/20/2016 2:40:04 PM			-79.4864	43.9662	24
1	1	60	100	32	60	132			4/20/2016 2:40:42 PM			-79.4860	43.9662	24
1	1	60	100	32	60	132			4/20/2016 2:44:38 PM			-79.4966	44.0095	24
1	1	60	100	32	60	132			4/20/2016 2:56:44 PM			-79.4737	43.9783	24
1	1	60	100	32	60	132			4/20/2016 2:58:20 PM			-79.4849	43.9665	24
1	1	60	100	32	60	132			4/20/2016 3:02:37 PM			-79.4968	44.0093	24
1	1	60	100	32	60	132			4/20/2016 3:07:48 PM			-79.4973	44.0091	24
1	1	60	100	32	60	132			4/20/2016 3:23:16 PM			-79.4732	43.9780	24
1	1	60	100	32	60	132			4/20/2016 3:29:22 PM			-79.4961	44.0093	24
1	1	60	100	32	60	132			4/20/2016 3:29:47 PM			-79.4947	44.0096	24
1	1	60	100	32	60	132			4/20/2016 3:29:49 PM			-79.4839	43.9669	24
1	1	60	100	32	60	132			4/20/2016 3:47:02 PM			-79.4940	44.0098	24
1	1	60	100	32	60	132			4/20/2016 3:49:13 PM			-79.4734	43.9776	24
1	1	60	100	32	60	132			4/20/2016 3:53:28 PM			-79.4929	44.0100	24
1	1	60	100	32	60	132			4/20/2016 5:00:17 PM			-79.4914	44.0113	24
1	1	60	100	32	60	132			4/20/2016 5:09:31 PM			-79.4738	43.9774	24
1	1	60	100	32	60	132			4/20/2016 5:11:53 PM			-79.4835	43.9676	24
1	1	60	100	32	60	132			4/20/2016 5:18:49 PM			-79.4916	44.0123	24
1	1	60	100	32	60	132			4/20/2016 5:18:59 PM			-79.4911	44.0105	24
1	1	60	100	32	60	132			4/20/2016 5:37:10 PM			-79.4729	43.9777	24
1	1	60	100	32	60	132			4/20/2016 5:39:07 PM			-79.4818	43.9679	24
1	1	60	100	32	60	132			4/20/2016 5:40:15 PM			-79.4929	44.0121	24
1	1	60	100	32	60	132			4/20/2016 5:45:54 PM			-79.4941	44.0119	24
1	1	60	100	32	60	132			4/20/2016 6:06:30 PM			-79.4814	43.9687	24
1	1	60	100	32	60	132			4/20/2016 6:07:47 PM			-79.4732	43.9784	24
1	1	60	100	32	60	132			4/20/2016 6:10:52 PM			-79.4944	44.0128	24
1	1	60	100	32	60	132			4/20/2016 6:19:29 PM			-79.4965	44.0099	24
1	1	60	100	32	60	132			4/20/2016 6:29:30 PM			-79.4811	43.9691	24
1	1	60	100	32	60	132			4/20/2016 6:35:46 PM			-79.4743	43.9783	24
1	1	60	100	32	60	132			4/21/2016 1:12:52 PM			-79.4934	44.0118	24
1	1	60	100	32	60	132			4/21/2016 1:18:00 PM			-79.4803	43.9689	24
1	1	60	100	32	60	132			4/21/2016 1:24:19 PM			-79.4917	44.0118	24
1	1	60	100	32	60	132			4/21/2016 1:35:14 PM			-79.4915	44.0109	24
1	1	60	100	32	60	132			4/21/2016 1:47:15 PM			-79.4805	43.9676	24
1	1	60	100	32	60	132			4/21/2016 1:49:47 PM			-79.4917	44.0104	24
1	1	60	100	32	60	132			4/21/2016 12:59:55 PM			-79.4923	44.0121	24
1	1	60	100	32	60	132			4/21/2016 2:05:59 PM			-79.4805	43.9680	24
1	1	60	100	32	60	132			4/21/2016 2:11:30 PM			-79.4923	44.0103	24
1	1	60	100	32	60	132			4/21/2016 2:23:35 PM			-79.4930	44.0103	24
1	1	60	100	32	60	132			4/21/2016 2:33:54 PM			-79.4804	43.9685	24
1	1	60	100	32	60	132			4/21/2016 2:36:23 PM			-79.4935	44.0100	24
1	1	60	100	32	60	132			4/21/2016 2:43:48 PM			-79.4934	44.0106	24
1	1	60	100	32	60	132			4/21/2016 3:03:29 PM			-79.4946	44.0099	24
1	1	60	100	32	60	132			4/21/2016 3:06:15 PM			-79.4799	43.9693	24
1	1	60	100	32	60	132			4/21/2016 3:18:20 PM			-79.4951	44.0103	24
1	1	60	100	32	60	132			4/21/2016 3:30:33 PM			-79.4955	44.0096	24
1	1	60	100	32	60	132			4/21/2016 3:34:01 PM			-79.4802	43.9695	24
1	1	60	100	32	60	132			4/21/2016 3:36:53 PM			-79.4967	44.0108	24
1	1	60	100	32	60	132			4/21/2016 3:56:05 PM			-79.4956	44.0113	24
1	1	60	100	32	60	132			4/21/2016 4:07:44 PM			-79.4807	43.9694	24
1	1	60	100	32	60	132			4/21/2016 4:41:30 PM			-79.4941	44.0117	24
1	1	60	100	32	60	132			4/21/2016 5:09:38 PM			-79.4901	44.0118	24
1	1	60	100	32	60	132			4/21/2016 5:16:29 PM			-79.4913	44.0116	24
1	1	60	100	32	60	132			4/21/2016 5:24:09 PM			-79.4887	44.0119	24
1	1	60	100	32	60	132			4/21/2016 5:40:32 PM			-79.4894	44.0120	24
1	1	60	100	32	60	132			4/21/2016 5:40:49 PM			-79.4815	43.9691	24
1	1	60	100	32	60	132			4/21/2016 5:46:33 PM			-79.4875	44.0121	24
1	1	60	100	32	60	132			4/21/2016 6:03:09 PM			-79.4906	44.0118	24
1	1	60	100	32	60	132			4/21/2016 6:08:36 PM			-79.4818	43.9683	24
1	1	60	100	32	60	132			4/21/2016 6:11:56 PM			-79.4863	44.0125	24
1	1	60	100	32	60	132			4/21/2016 6:30:08 PM			-79.4823	43.9677	24
1	1	60	100	32	60	132			4/21/2016 6:31:21 PM			-79.4852	44.0131	24
1	1	60	100	32	60	132			4/22/2016 1:32:08 PM			-79.4765	43.9725	24
1	1	60	100	32	60	132			4/22/2016 1:48:57 PM			-79.4752	43.9684	24
1	1	60	100	32	60	132			4/22/2016 2:12:52 PM			-79.4781	43.9737	24
1	1	60	100	32	60	132			4/22/2016 2:47:36 PM			-79.4777	43.9735	24

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
Date This Report Prepared:	April 29,2016	**Report completed by:**	RealTerm Energy
Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	60	100	32	60	132			4/22/2016 3:51:03 PM			-79.4768	43.9739	24
1	1	60	100	32	60	132			4/22/2016 5:15:51 PM			-79.4756	43.9736	24
1	1	60	100	32	60	132			4/22/2016 5:47:33 PM			-79.4759	43.9740	24
1	1	60	100	32	60	132			4/22/2016 6:09:23 PM			-79.4763	43.9741	24
1	1	60	100	32	60	132			4/22/2016 6:45:13 PM			-79.4774	43.9738	24
TOTAL	830				51546	110227								
Connected Load Installed - kW / Month -					**51.546**									
Connected Load Removed - kW / Month -						**110.227**								

NOTE 1: Ballast Losses are fixed as per PowerStream Specification No. PS SL-01-2006.
These numbers are entered in the CIS and the Billing is based on these losses.
NOTE 2: See Tab 'Street Light Input Power ' for detailed LED model type

Form Revision:

File: 10. Street Light Work Report

Page No:

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
Date This Report Prepared:	August 4,2016	**Report completed by:**	RealTerm Energy
Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	101	200	41	101	241	n/a		29/04/2016			44.0131	-79.4936	19
1	1	101	200	41	101	241			29/04/2016			44.0133	-79.4929	19
1	1	101	200	41	101	241			29/04/2016			44.0134	-79.4922	19
1	1	72	150	36	72	186			20/05/2016			44.0077	-79.4741	25
1	1	72	150	36	72	186			24/05/2016			44.0075	-79.4739	25
1	1	72	150	36	72	186			20/05/2016			44.0073	-79.4739	25
1	1	72	150	36	72	186			24/05/2016			44.0072	-79.4736	25
1	1	72	150	36	72	186			20/05/2016			44.0070	-79.4734	25
1	1	72	150	36	72	186			25/05/2016			44.0068	-79.4731	25
1	1	72	150	36	72	186			20/05/2016			44.0066	-79.4732	25
1	1	72	150	36	72	186			20/05/2016			44.0065	-79.4730	25
1	1	72	150	36	72	186			20/05/2016			44.0062	-79.4731	25
1	1	72	150	36	72	186			10/06/2016			44.0091	-79.4692	25
1	1	72	150	36	72	186			10/06/2016			44.0092	-79.4688	25
1	1	72	150	36	72	186			10/06/2016			44.0096	-79.4684	25
1	1	72	150	36	72	186			13/06/2016			44.0100	-79.4682	25
1	1	72	150	36	72	186			13/06/2016			44.0101	-79.4681	25
1	1	72	150	36	72	186			10/06/2016			44.0103	-79.4682	25
1	1	72	150	36	72	186			13/06/2016			44.0105	-79.4678	25
1	1	72	150	36	72	186			10/06/2016			44.0107	-79.4679	25
1	1	72	150	36	72	186			14/06/2016			44.0119	-79.4645	25
1	1	72	150	36	72	186			13/06/2016			44.0116	-79.4644	25
1	1	72	150	36	72	186			13/06/2016			44.0112	-79.4644	25
1	1	72	150	36	72	186			10/06/2016			44.0110	-79.4645	25
1	1	72	150	36	72	186			13/06/2016			44.0110	-79.4648	25
1	1	72	150	36	72	186			10/06/2016			44.0113	-79.4654	25
1	1	72	150	36	72	186			13/06/2016			44.0111	-79.4661	25
1	1	72	150	36	72	186			10/06/2016			44.0111	-79.4667	25
1	1	72	150	36	72	186			13/06/2016			44.0109	-79.4671	25
1	1	72	150	36	72	186			10/06/2016			44.0108	-79.4677	25
1	1	72	150	36	72	186			21/06/2016			44.0053	-79.4665	25
1	1	72	150	36	72	186			25/05/2016			44.0052	-79.4667	25
1	1	72	150	36	72	186			25/05/2016			44.0053	-79.4671	25
1	1	72	150	36	72	186			25/05/2016			44.0052	-79.4677	25
1	1	72	150	36	72	186			14/06/2016			44.0057	-79.4666	25
1	1	72	150	36	72	186			00/01/1900			44.0062	-79.4668	25
1	1	72	150	36	72	186			14/06/2016			44.0066	-79.4667	25
1	1	72	150	36	72	186			25/05/2016			44.0071	-79.4669	25
1	1	72	150	36	72	186			14/06/2016			44.0074	-79.4668	25
1	1	72	150	36	72	186			25/05/2016			44.0078	-79.4669	25
1	1	72	150	36	72	186			20/06/2016			44.0081	-79.4668	25
1	1	72	150	36	72	186			25/05/2016			44.0085	-79.4670	25
1	1	72	150	36	72	186			14/06/2016			44.0090	-79.4669	25
1	1	72	150	36	72	186			25/05/2016			44.0093	-79.4671	25
1	1	72	150	36	72	186			24/05/2016			44.0097	-79.4672	25
1	1	72	150	36	72	186			24/05/2016			44.0098	-79.4677	25
1	1	72	150	36	72	186			09/06/2016			44.0100	-79.4671	25
1	1	72	150	36	72	186			07/06/2016			44.0103	-79.4665	25
1	1	72	150	36	72	186			09/06/2016			44.0105	-79.4662	25
1	1	72	150	36	72	186			07/06/2016			44.0099	-79.4660	25
1	1	72	150	36	72	186			20/06/2016			44.0095	-79.4658	25
1	1	72	150	36	72	186			07/06/2016			44.0091	-79.4658	25
1	1	72	150	36	72	186			20/06/2016			44.0088	-79.4655	25
1	1	72	150	36	72	186			07/06/2016			44.0088	-79.4660	25
1	1	72	150	36	72	186			07/06/2016			44.0085	-79.4665	25
1	1	72	150	36	72	186			14/06/2016			44.0078	-79.4664	25
1	1	72	150	36	72	186			14/06/2016			44.0078	-79.4659	25
1	1	72	150	36	72	186			09/06/2016			44.0075	-79.4657	25
1	1	72	150	36	72	186			14/06/2016			44.0072	-79.4658	25
1	1	72	150	36	72	186			09/06/2016			44.0069	-79.4657	25
1	1	72	150	36	72	186			14/06/2016			44.0065	-79.4659	25
1	1	72	150	36	72	186			09/06/2016			44.0063	-79.4663	25
1	1	72	150	36	72	186			20/06/2016			44.0104	-79.4658	25
1	1	72	150	36	72	186			09/06/2016			44.0105	-79.4652	25
1	1	72	150	36	72	186			07/06/2016			44.0102	-79.4651	25
1	1	72	150	36	72	186			08/06/2016			44.0098	-79.4648	25
1	1	72	150	36	72	186			07/06/2016			44.0093	-79.4648	25
1	1	72	150	36	72	186			08/06/2016			44.0090	-79.4645	25
1	1	72	150	36	72	186			08/06/2016			44.0086	-79.4640	25
1	1	72	150	36	72	186			07/06/2016			44.0085	-79.4640	25
1	1	72	150	36	72	186			09/06/2016			44.0083	-79.4642	25
1	1	72	150	36	72	186			14/06/2016			44.0082	-79.4647	25
1	1	72	150	36	72	186			09/06/2016			44.0080	-79.4650	25
1	1	72	150	36	72	186			14/06/2016			44.0080	-79.4657	25
1	1	72	150	36	72	186			09/06/2016			44.0079	-79.4657	25

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
Date This Report Prepared:	August 4,2016	**Report completed by:**	RealTerm Energy
Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	72	150	36	72	186			09/06/2016			44.0088	-79.4636	25
1	1	72	150	36	72	186			14/06/2016			44.0094	-79.4638	25
1	1	72	150	36	72	186			10/06/2016			44.0097	-79.4637	25
1	1	72	150	36	72	186			13/06/2016			44.0100	-79.4640	25
1	1	72	150	36	72	186			10/06/2016			44.0104	-79.4639	25
1	1	72	150	36	72	186			13/06/2016			44.0107	-79.4643	25
1	1	72	150	36	72	186			07/06/2016			44.0083	-79.4637	25
1	1	72	150	36	72	186			08/06/2016			44.0080	-79.4632	25
1	1	72	150	36	72	186			08/06/2016			44.0077	-79.4632	25
1	1	72	150	36	72	186			08/06/2016			44.0072	-79.4629	25
1	1	72	150	36	72	186			09/06/2016			44.0066	-79.4627	25
1	1	72	150	36	72	186			09/06/2016			44.0062	-79.4626	25
1	1	72	150	36	72	186			08/06/2016			44.0058	-79.4626	25
1	1	72	150	36	72	186			30/05/2016			44.0026	-79.4615	25
1	1	72	150	36	72	186			25/05/2016			44.0031	-79.4616	25
1	1	72	150	36	72	186			30/05/2016			44.0036	-79.4619	25
1	1	72	150	36	72	186			08/06/2016			44.0033	-79.4624	25
1	1	72	150	36	72	186			08/06/2016			44.0030	-79.4626	25
1	1	72	150	36	72	186			08/06/2016			44.0028	-79.4624	25
1	1	72	150	36	72	186			25/05/2016			44.0047	-79.4663	25
1	1	72	150	36	72	186			27/05/2016			44.0046	-79.4658	25
1	1	72	150	36	72	186			21/06/2016			44.0048	-79.4654	25
1	1	72	150	36	72	186			27/05/2016			44.0048	-79.4650	25
1	1	72	150	36	72	186			21/06/2016			44.0052	-79.4651	25
1	1	72	150	36	72	186			20/06/2016			44.0056	-79.4651	25
1	1	72	150	36	72	186			20/06/2016			44.0055	-79.4641	25
1	1	72	150	36	72	186			20/06/2016			44.0058	-79.4656	25
1	1	72	150	36	72	186			20/06/2016			44.0055	-79.4657	25
1	1	72	150	36	72	186			20/06/2016			44.0050	-79.4646	25
1	1	72	150	36	72	186			27/05/2016			44.0050	-79.4642	25
1	1	72	150	36	72	186			20/06/2016			44.0052	-79.4637	25
1	1	72	150	36	72	186			30/05/2016			44.0049	-79.4635	25
1	1	72	150	36	72	186			30/05/2016			44.0045	-79.4635	25
1	1	72	150	36	72	186			30/05/2016			44.0043	-79.4632	25
1	1	72	150	36	72	186			30/05/2016			44.0038	-79.4633	25
1	1	72	150	36	72	186			08/06/2016			44.0035	-79.4635	25
1	1	72	150	36	72	186			25/05/2016			44.0032	-79.4633	25
1	1	72	150	36	72	186			30/05/2016			44.0034	-79.4628	25
1	1	72	150	36	72	186			09/06/2016			44.0038	-79.4622	25
1	1	72	150	36	72	186			08/06/2016			44.0042	-79.4621	25
1	1	72	150	36	72	186			09/06/2016			44.0045	-79.4620	25
1	1	72	150	36	72	186			08/06/2016			44.0048	-79.4623	25
1	1	72	150	36	72	186			09/06/2016			44.0051	-79.4622	25
1	1	72	150	36	72	186			27/05/2016			44.0054	-79.4623	25
1	1	72	150	36	72	186			27/05/2016			44.0054	-79.4627	25
1	1	72	150	36	72	186			27/05/2016			44.0052	-79.4631	25
1	1	72	150	36	72	186			19/05/2016			43.9940	-79.4732	25
1	1	72	150	36	72	186			19/05/2016			43.9937	-79.4743	25
1	1	72	150	36	72	186			19/05/2016			43.9935	-79.4748	25
1	1	72	150	36	72	186			19/05/2016			43.9934	-79.4753	25
1	1	72	150	36	72	186			19/05/2016			43.9936	-79.4754	25
1	1	72	150	36	72	186			19/05/2016			43.9937	-79.4750	25
1	1	72	150	36	72	186			19/05/2016			43.9939	-79.4740	25
1	1	72	150	36	72	186			19/05/2016			43.9941	-79.4729	25
1	1	72	150	36	72	186			19/05/2016			43.9942	-79.4723	25
1	1	72	150	36	72	186			24/05/2016			43.9913	-79.4778	25
1	1	72	150	36	72	186			24/05/2016			43.9910	-79.4777	25
1	1	72	150	36	72	186			24/05/2016			43.9906	-79.4775	25
1	1	72	150	36	72	186			24/05/2016			43.9901	-79.4774	25
1	1	72	150	36	72	186			22/06/2016			43.9871	-79.4711	25
1	1	72	150	36	72	186			22/06/2016			43.9865	-79.4712	25
1	1	72	150	36	72	186			23/06/2016			43.9853	-79.4714	25
1	1	72	150	36	72	186			23/06/2016			43.9857	-79.4715	25
1	1	72	150	36	72	186			23/06/2016			43.9861	-79.4715	25
1	1	72	150	36	72	186			05/07/2016			43.9865	-79.4718	25
1	1	72	150	36	72	186			05/07/2016			43.9863	-79.4729	25
1	1	72	150	36	72	186			05/07/2016			43.9861	-79.4740	25
1	1	72	150	36	72	186			23/06/2016			43.9859	-79.4749	25
1	1	72	150	36	72	186			23/06/2016			43.9851	-79.4747	25
1	1	72	150	36	72	186			23/06/2016			43.9848	-79.4747	25
1	1	72	150	36	72	186			23/06/2016			43.9854	-79.4750	25
1	1	72	150	36	72	186			21/06/2016			43.9861	-79.4746	25
1	1	72	150	36	72	186			21/06/2016			43.9863	-79.4735	25
1	1	72	150	36	72	186			21/06/2016			43.9866	-79.4724	25
1	1	72	150	36	72	186			05/07/2016			43.9856	-79.4727	25

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
Date This Report Prepared:	August 4,2016	**Report completed by:**	RealTerm Energy
Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	72	150	36	72	186			05/07/2016			43.9853	-79.4730	25
1	1	72	150	36	72	186			05/07/2016			43.9854	-79.4735	25
1	1	72	150	36	72	186			05/07/2016			43.9851	-79.4741	25
1	1	72	150	36	72	186			26/05/2016			43.9870	-79.4678	25
1	1	72	150	36	72	186			26/05/2016			43.9865	-79.4679	25
1	1	72	150	36	72	186			26/05/2016			43.9861	-79.4678	25
1	1	72	150	36	72	186			26/05/2016			43.9861	-79.4699	25
1	1	72	150	36	72	186			26/05/2016			43.9860	-79.4694	25
1	1	72	150	36	72	186			26/05/2016			43.9864	-79.4693	25
1	1	72	150	36	72	186			26/05/2016			43.9868	-79.4691	25
1	1	72	150	36	72	186			26/05/2016			43.9872	-79.4691	25
1	1	72	150	36	72	186			26/05/2016			43.9873	-79.4694	25
1	1	72	150	36	72	186			22/06/2016			43.9874	-79.4700	25
1	1	72	150	36	72	186			26/05/2016			43.9871	-79.4701	25
1	1	72	150	36	72	186			26/05/2016			43.9866	-79.4701	25
1	1	72	150	36	72	186			22/06/2016			43.9863	-79.4703	25
1	1	72	150	36	72	186			26/05/2016			43.9860	-79.4702	25
1	1	72	150	36	72	186			22/06/2016			43.9858	-79.4704	25
1	1	34	100	32	34	132			25/07/2016			44.0049	-79.4810	1
1	1	34	70	26	34	96			29/04/2016			44.0020	-79.4789	1
1	1	34	100	32	34	132			29/07/2016			44.0001	-79.4924	1
1	1	34	100	32	34	132			25/07/2016			43.9977	-79.4921	1
1	1	34	100	32	34	132			25/07/2016			43.9984	-79.4900	1
1	1	34	100	32	34	132			29/04/2016			44.0011	-79.4790	1
1	1	34	100	32	34	132			25/07/2016			43.9867	-79.4087	1
1	1	34	100	32	34	132			25/07/2016			43.9866	-79.4094	1
1	1	34	100	32	34	132			25/07/2016			43.9864	-79.4102	1
1	1	34	100	32	34	132			29/01/2016			43.9917	-79.4768	1
1	1	34	100	32	34	132			25/07/2016			43.9905	-79.4791	1
1	1	34	100	32	34	132			29/04/2016			44.0126	-79.4965	2
1	1	38	100	32	38	132			25/07/2016			43.9867	-79.4073	4
1	1	38	100	32	38	132			02/05/2016			43.9908	-79.4606	4
1	1	38	100	32	38	132			25/07/2016			43.9893	-79.4601	4
1	1	38	100	32	38	132			25/07/2016			43.9919	-79.4585	4
1	1	38	100	32	38	132			25/07/2016			43.9944	-79.4695	4
1	1	38	100	32	38	132			02/05/2016			43.9924	-79.4679	4
1	1	38	100	32	38	132			02/05/2016			43.9922	-79.4676	4
1	1	38	100	32	38	132			25/07/2016			43.9903	-79.4787	4
1	1	38	100	32	38	132			02/05/2016			43.9889	-79.4790	4
1	1	38	100	32	38	132			02/05/2016			43.9884	-79.4799	4
1	1	38	100	32	38	132			02/05/2016			43.9880	-79.4809	4
1	1	43	100	32	43	132			25/07/2016			43.9996	-79.4696	5
1	1	43	70	26	43	96			25/07/2016			43.9941	-79.4494	6
1	1	43	100	32	43	132			02/05/2016			43.9867	-79.4764	6
1	1	43	150	36	43	186			29/07/2016			44.0017	-79.4656	7
1	1	53	175	27	53	202			29/07/2016			43.9987	-79.4681	8
1	1	56	100	32	56	132			02/05/2016			43.9983	-79.4933	10
1	1	56	100	32	56	132			02/05/2016			43.9980	-79.4944	10
1	1	56	100	32	56	132			28/06/2016			43.9821	-79.4657	10
1	1	60	100	32	60	132			27/04/2016			44.0120	-79.4900	24
1	1	60	100	32	60	132			27/04/2016			44.0125	-79.4900	24
1	1	60	100	32	60	132			27/04/2016			44.0131	-79.4903	24
1	1	60	100	32	60	132			27/04/2016			44.0131	-79.4895	24
1	1	60	100	32	60	132			27/04/2016			44.0133	-79.4890	24
1	1	60	100	32	60	132			27/04/2016			44.0132	-79.4881	24
1	1	60	100	32	60	132			27/04/2016			44.0135	-79.4884	24
1	1	60	100	32	60	132			27/04/2016			44.0127	-79.4849	24
1	1	60	100	32	60	132			27/04/2016			44.0120	-79.4854	24
1	1	60	100	32	60	132			27/04/2016			44.0117	-79.4865	24
1	1	60	100	32	60	132			27/04/2016			44.0114	-79.4869	24
1	1	60	100	32	60	132			27/04/2016			44.0113	-79.4875	24
1	1	60	100	32	60	132			27/04/2016			44.0110	-79.4881	24
1	1	60	100	32	60	132			27/04/2016			44.0113	-79.4898	24
1	1	60	100	32	60	132			27/04/2016			43.9696	-79.4789	24
1	1	60	100	32	60	132			27/04/2016			43.9701	-79.4770	24
1	1	60	100	32	60	132			27/04/2016			43.9698	-79.4781	24
1	1	60	100	32	60	132			27/04/2016			43.9692	-79.4791	24
1	1	60	100	32	60	132			27/04/2016			43.9683	-79.4792	24
1	1	60	100	32	60	132			27/04/2016			43.9714	-79.4761	24
1	1	60	100	32	60	132			27/04/2016			43.9716	-79.4752	24
1	1	60	100	32	60	132			27/04/2016			43.9715	-79.4740	24
1	1	60	100	32	60	132			27/04/2016			43.9710	-79.4740	24
1	1	60	100	32	60	132			27/04/2016			43.9706	-79.4740	24
1	1	60	100	32	60	132			27/04/2016			43.9703	-79.4742	24
1	1	60	100	32	60	132			27/04/2016			43.9702	-79.4746	24

Street Light Work Report Light Emitting Diode (LED) Retrofit

Project/Subdivision Name:	Town of Aurora		
Location:	Aurora, Ontario		
Grid Number:			
Work Order No:			
Date This Report Prepared:	August 4,2016	**Report completed by:**	RealTerm Energy
Drawing Number:			
Lights Installed By:	RealTerm Energy	**Effective Billing Date:**	
Energy Cost Bill To:	Town of Aurora		

Light Installed	HID Light Removed	LED Luminaire Wattage Installed	HID Lamp Wattage Removed	HID Ballast Loss (W). SEE NOTE 1	Watts Installed (W)	Watts Removed (W)	Disconnect Location (Pedestal or Pole Breaker) (where available)	Transformer Number	Energization Date	Streetlight Municipal Address # (closest)	Streetlight Municipal Address Street Name	GPS X	GPS Y	LED Ref No. SEE NOTE 2
1	1	60	100	32	60	132			27/04/2016			43.9691	-79.4745	24
1	1	60	100	32	60	132			27/04/2016			43.9687	-79.4748	24
1	1	60	100	32	60	132			27/04/2016			43.9684	-79.4748	24
1	1	60	100	32	60	132			27/04/2016			43.9706	-79.4751	24
1	1	60	100	32	60	132			27/04/2016			43.9714	-79.4754	24
1	1	60	100	32	60	132			27/04/2016			43.9709	-79.4754	24
1	1	60	100	32	60	132			27/04/2016			43.9702	-79.4751	24
1	1	60	100	32	60	132			27/04/2016			43.9699	-79.4748	24
1	1	60	100	32	60	132			27/04/2016			43.9695	-79.4747	24
1	1	60	100	32	60	132			27/04/2016			43.9722	-79.4763	24
1	1	60	100	32	60	132			27/04/2016			43.9724	-79.4759	24
1	1	60	100	32	60	132			27/04/2016			43.9724	-79.4755	24
1	1	60	100	32	60	132			27/04/2016			43.9723	-79.4744	24
1	1	60	100	32	60	132			27/04/2016			43.9724	-79.4739	24
1	1	60	100	32	60	132			23/03/2016			44.0103	-79.4325	24
1	1	60	100	32	60	132			23/03/2016			44.0100	-79.4346	24
1	1	60	100	32	60	132			23/03/2016			44.0094	-79.4346	24
1	1	60	100	32	60	132			23/03/2016			44.0083	-79.4365	24
1	1	60	100	32	60	132			23/03/2016			44.0087	-79.4375	24
1	1	60	100	32	60	132			23/03/2016			44.0083	-79.4384	24
1	1	60	100	32	60	132			23/03/2016			44.0076	-79.4381	24
1	1	60	100	32	60	132			23/03/2016			44.0069	-79.4390	24
1	1	60	100	32	60	132			23/03/2016			44.0081	-79.4393	24
1	1	60	100	32	60	132			23/03/2016			44.0083	-79.4391	24
1	1	60	100	32	60	132			23/03/2016			44.0157	-79.4453	24
TOTAL	250				16462	42289								

Connected Load Installed - kW / Month -	**16.462**
Connected Load Removed - kW / Month -	**42.289**

NOTE 1: Ballast Losses are fixed as per PowerStream Specification No. PS SL-01-2006.
These numbers are entered in the CIS and the Billing is based on these losses.
NOTE 2: See Tab 'Street Light Input Power ' for detailed LED model type

Form Revision:

File: 10. Street Light Work Report

Page No:

PRZ-Staff-7

Updates to LRAMVA workform
Reference: Exhibit 5, Attachment 32 LRAMVA Workform PRZ_20190528

Questions:

a) Please confirm that the Tab 8 is populated in the LRAMVA workform(s) for the PRZ.

b) If Alectra Utilities made any changes any of its rate class LRAMVA workform(s) as a result of its responses to the interrogatories, please file the updated LRAMVA workform(s), the revised balance requested for disposition, and a table summarizing the revised rate riders.

c) Please confirm any changes to the LRAMVA workform in response to these interrogatories in "Table A-2. Updates to LRAMVA Disposition (Tab 2)".

Response:

a) Alectra Utilities confirms that Tab 8 is populated in the updated LRAMVA Workform filed as PRZ-Staff-7_Attach 1_LRAMVA Workform PRZ.

b) Alectra Utilities has made changes to the LRAMVA workform for the PowerStream RZ in response to PRZ-Staff-5 and PRZ-Staff-6. In addition, Alectra Utilities has also made adjustments to its 2017 LRAMVA claim to include additional savings related to 2017, identified in the 2018 Participation and Cost Report. The revised 2017 LRAMVA balance requested for disposition is $2,989,719, compared to $2,460,286 in Alectra Utilities' original submission. Table 1 below provides a summary of the revised rate riders.

Table 1 - Summary of LRAMVA Rate Riders

Rate Class	Per	Volumetric Rate Rider Revised	Volumetric Rate Rider as Filed
Residential	kWh	$0.0007	$0.0006
General Service Less Than 50 kW	kWh	$0.0002	$0.0001
General Service 50 To 4,999 kW	kW	$0.0765	$0.0415
Large Use	kW	$0.0353	$0.0353
Street Lighting	kW	($0.4112)	$1.7218

c) Alectra Utilities has provided a summary of all changes in Table A-2 of Tab “1-a. Summary of Changes” in the LRAMVA workform. The 2020 IRM RGM Model has also been updated to reflect the changes to the LRAMVA balance.

PRZ-STAFF-7
ATTACHMENT 1 – LRAMVA WORKFORM PRZ

Ontario Energy Board

LRAMVA Work Form: Summary Tab

Version 2.0

Legend	
	User Inputs (Green)
	Drop Down List (Blue)
	Auto Populated Cells (White)
	Instructions (Grey)

LDC Name	
	Alectra -former PowerStream

Application Details

Please fill in the requested information: a) the amounts approved in the previous LRAMVA application, b) details on the current application, and c) documentation of changes if applicable.

A. Previous LRAMVA Application

Previous LRAMVA Application (EB#)	EB-2018-0016
Application of Previous LRAMVA Claim	2019 IRM Application
Period of LRAMVA Claimed in Previous Application	2016
Amount of LRAMVA Claimed in Previous Application	$ 2,897,180.00

B. Current LRAMVA Application

Current LRAMVA Application (EB#)		EB-2019-0018
Application of Current LRAMVA Claim		2020 IRM Application
Period of New LRAMVA in this Application		2017
Actual Lost Revenues	A	**$ 5,120,697**
Forecast Lost Revenue	B	**$ 2,271,628**
Carrying Charges ($)	C	**$ 140,649**
LRAMVA ($) for Accou	A-B+C	**$ 2,989,719**

C. Documentation of Changes

Original Amount	$ 2,460,286
Amount for Final Disposition	$ 2,989,719

Table 1-a. LRAMVA Totals by Rate Class

Please update the customer rate classes applicable to the LDC in Table 1-a below. This will update all tables throughout the workform. The LRAMVA total by rate class in Table 1-a should be used to inform the determination of rate riders in the Deferral and Variance Account Work Form or IRM Rate Generator Model. If the LDC has more than 14 customer classes, LDCs are required to add rows to Table 1-a and update all tables and formulas in the work form accordingly. Please also ensure that the principle amounts in column E of Table 1-a capture the appropriate years and amounts for the LRAMVA claim.

Customer Class	Billing Unit	Principle ($)	Carrying Charges ($)	Total LRAMVA ($)	
Residential	kWh	$1,787,245	$83,956	$1,871,201	charge
GS<50 kW	kWh	$226,397	$10,635	$237,032	charge
GS>50 kW	kW	$891,152	$41,862	$933,014	charge
Large Use	kW	$3,468	$163	$3,631	charge
Unmetered Scattered Load	kWh	$0	$0	$0	credit to customer
Sentinel Lighting	kW	$0	$0	$0	credit to customer
Street Lighting	kW	-$59,192	$4,034	-$55,158	credit to customer
		$0	$0	$0	
		$0	$0	$0	
		$0	$0	$0	
		$0	$0	$0	
		$0	$0	$0	
		$0	$0	$0	
		$0	$0	$0	
Total		**$2,849,069**	**$140,649**	**$2,989,719**	**net revenue**

Table 1-b. Annual LRAMVA Breakdown by Year and Rate Class

In column C of Table 1-b below, please indicate with a 'check mark' the years in which LRAMVA has been claimed. This is to ensure that there are no amounts claimed retroactively. If you have inserted a check-mark for a particular year, please delete the amounts associated with actual and forecast lost revenues for all rate classes for that year, up to and including the total. Any prior years that a distributor has claimed lost revenues should not be included in the current LRAMVA disposition, with the exception of the case noted below.

If LDCs are seeking to claim true-up amounts that were previously approved by the OEB, please note that the "Amount Cleared" rows are applicable to the LDC and should be filled out. This may relate to claiming the difference in LRAM approved before the May 19, 2016 Peak Demand Consultation, and the lost revenues that would have been incurred after that consultation, as approved by the OEB. If this is the case, reference to the decision must be noted in the rate application. If this is not the case, LDCs are requested to leave those rows blank.

Depending on the period of LRAMVA to be claimed in the current application, LDCs are expected to adjust the applicable totals for carrying charges in row 83 of this table and the years included in the Total LRAMVA balance in row 84, as appropriate.

Description	LRAMVA Previously Claimed	Residential	GS<50 kW	GS>50 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting				Total
		kWh	kWh	kW	kW	kWh	kW	kW				
2011 Actuals	**Yes**								$0.00	$0.00	$0.00	$0.00
2011 Forecast									$0.00	$0.00	$0.00	$0.00
Amount Cleared	$0.00											$0.00
2012 Actuals	**Yes**								$0.00	$0.00	$0.00	$0.00
2012 Forecast									$0.00	$0.00	$0.00	$0.00
Amount Cleared	$0.00											$0.00
2013 Actuals	**Yes**								$0.00	$0.00	$0.00	$0.00
2013 Forecast									$0.00	$0.00	$0.00	$0.00
Amount Cleared	$0.00											$0.00
2014 Actuals									$0.00	$0.00	$0.00	$0.00
2014 Forecast									$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2015 Actuals									$0.00	$0.00	$0.00	$0.00
2015 Forecast									$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2016 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2016 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2017 Actuals		$2,206,187.52	$712,228.15	$2,001,590.82	$3,467.68	$0.00	$0.00	$197,222.89	$0.00	$0.00	$0.00	$5,120,697.06
2017 Forecast		($418,942.79)	($485,831.21)	($1,110,438.79)	$0.00	$0.00	$0.00	($256,414.86)	$0.00	$0.00	$0.00	($2,271,627.65)
Amount Cleared												
2018 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2018 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2019 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2019 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2020 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2020 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
Carrying Charges		$83,955.82	$10,635.00	$41,861.87	$162.89	$0.00	$0.00	$4,033.85	$0.00	$0.00	$0.00	$140,649.43
Total LRAMVA Balance		**$1,871,201**	**$237,032**	**$933,014**	**$3,631**	**$0**	**$0**	**-$55,158**	**$0**	**$0**	**$0**	**$2,989,719**

Table 1-c. Breakdown of Incremental and Persisting Lost Revenues Amounts (Dollars)

LDCs are requested to clear the cells in the table to show only the amounts related to this LRAMVA application. This table is a check on the LRAMVA disposition providing a breakdown of actual incremental and persisting savings by year.

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
2011	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2012		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2013			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2014				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2015					$ -	$ -	$ 925,072.20	$ -	$ -	$ -	$ 925,072.20
2016						$ -	$ 1,328,006.03	$ -	$ -	$ -	$ 1,328,006.03
2017							$ 2,867,618.83	$ -	$ -	$ -	$ 2,867,618.83
2018								$ -	$ -	$ -	$ -
2019									$ -	$ -	$ -
2020										$ -	$ -
Actual Lost Revenues	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,120,697.06	$ -	$ -	$ -	$ 5,120,697.06
Forecast Lost Revenues	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,271,627.65	$ -	$ -	$ -	$ 2,271,627.65
Carrying Charges	$ -	$ -	$ -	$ -	$ -	$ -	$ 18,336.16	$ 76,616.59	$ 140,649.43	$ 140,649.43	$ 376,251.62
Total	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,867,405.58	$ 76,616.59	$ 140,649.43	$ 140,649.43	$ 3,225,321.03

Note: LDC to make note of assumptions included above, if any

Ontario Energy Board

LRAMVA Work Form: Summary of Changes

Version 2.0 (2017)

Legend	
	User Inputs (Green)
	Drop Down List (Blue)
	Instructions (Grey)

the 2017 verified 2016 results

Table X-1. Changes in Assumptions from Generic Inputs in Work Form

Please document any changes in assumptions made to the work form that affect the calculation of LRAMVA. This may include, but are not limited to, the use of different monthly multipliers to claim demand savings from energy efficiency programs; use of different rate allocations between savings and adjustments; claiming historical savings persistence beyond a re-basing year; inclusion of additional adjustments affecting distribution rates; use of a different LRAMVA threshold; etc. All important changes should be highlighted in the work form as well.

No.	Tab	Cell Reference	Description	Rationale
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
etc.				

Table X-2. Updates to LRAMVA Disposition

Conservation Instant Coupon Booklet

LDCs are requested to document any changes related to interrogatories or questions during the application process that affect the LRAMVA amount.

No.	Tab	Cell Reference	Description	Rationale
1	2. LRAMVA Threshold		LRAMVA threshold has been updated	
2	8. Streetlighting	Tab 8 Streetlight information	Tab 8 of detail streetlight project information has been updated	The rationale is to align with the OEB approach to calculate Streetlight related demand savings
3	5. 2015-2020 LRAM	Adjustments to 2017 Savings	Adjustment to 2017 savings were provided on the Participation and Cost Report to	Alectra has calculated the Adjustments to the 2017 savings in order to report and calculate LRAMVA results.
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
etc.				

Ontario Energy Board

LRAMVA Work Form: Forecast Lost Revenues

Version 2.0 (2017)

Legend

User Inputs (Green)
Drop Down List (Blue)
Auto Populated Cells (White)
Instructions (Grey)

Table 2-a. LRAMVA Threshold — **2013**

Please provide the LRAMVA threshold approved in the cost of service (COS) application, which is used as the comparator against actual savings in the period of the LRAMVA claim. The LRAMVA threshold should generally be consistent with the annualized savings targets developed from Appendix 2-I. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

	Total	Residential	GS<50 kW	GS>50 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting							
		kWh	kWh	kW	kW	kWh	kW	kW							
kWh	137,099,754	44,207,932	16,984,563	73,463,176	1,251,684	208,627	7,674	976,097							
kW	202,051			195,431	3,732		20	2,868							
Summary		44,207,932	16,984,563	195,431	3,732	208,627	20	2,868	0	0	0	0	0	0	0

Basis of Threshold: 0.5* 201X + 20XX + 0.5 * 20XX (if available)

Source of Threshold: 2013 Settlement Agreement, p. X

Table 2-b. LRAMVA Threshold — **2017**

Please provide the LRAMVA threshold approved in the last COS application, which is used as the comparator against actual savings in the period of the LRAMVA claim. The LRAMVA threshold should generally be consistent with the annualized savings targets developed from Appendix 2-I. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

	Total				Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting							
		kWh	kWh	kW	kW	kWh	kW	kW							
kWh	58,774,522	32,226,368	26,548,154												
kW	304,715			264,157				40,558							
Summary		32,226,368	26,548,154	264,157	0	0	0	40,558	0	0	0	0	0	0	0

Basis of Threshold: 0.5* 201X + 20XX + 0.5 * 20XX (if available)

Source of Threshold: 20XX Settlement Agreement, p. X

Table 2-c. Inputs for LRAMVA Thresholds

Please complete Table 2-c below by selecting the appropriate LRAMVA threshold year in column C. The LRAMVA threshold values in Table 2-c will auto-populate from Tables 2-a and 2-b depending on the year selected. If there was no LRAMVA threshold established for a particular year, please select the "blank" option, although it is generally expected that 2 COS applications would have been approved during the 2011 to 2020 period. The LRAMVA threshold values in Table 2-c will be auto-populated in Tabs 4 and 5 of this work form.

Year	LRAMVA Threshold (select year)	Residential	GS<50 kW	GS>50 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting							
		kWh	kWh	kW	kW	kWh	kW	kW							
2011		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	2017	32,226,368	26,548,154	264,157	0	0	0	40,558	0	0	0	0	0	0	0
2018		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2019		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020		0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: LDC to make note of assumptions included above, if any

Ontario Energy Board

LRAMVA Work Form: Distribution Rates

Version 2.0 (2017)

Legend

User Inputs (Green)
Auto Populated Cells (White)
Instructions (Grey)

Tables

Table 3

Table 3-a.

Table 3. Inputs for Distribution Rates and Adjustments by Rate Class

The rate classes in column B of Table 3 below are auto-populated from the customer class inputs in Table 1-a of the Summary Tab. Please provide the distribution rates by rate year and applicable adjustments per rate class starting from column D of Table 3 below. Any adjustments that affect distribution rates can be incorporated in the calculation by expanding the "plus" button at the left hand bar. Table 3 will convert the distribution rates to a calendar year rate (January to December) based on the number of months from January to the start of the LDC's rate year, entered in row 16 of Table 3 (referred to as period 1). If rates are already on a January 1 to December 31 timeline, please enter 0 in row 16.

	Billing Unit	May 1, 2010 to Apr 30, 2011	May 1, 2011 to Apr 30, 2012	May 1, 2011 to Dec 31, 2012	Jan 1, 2013 to Dec 31, 2013	Jan 1, 2014 to Dec 31, 2014	Jan 1, 2015 to Dec 31, 2015	Jan 1, 2016 to Dec 31, 2016	Jan 1, 2017 to Dec 31, 2017	update	update	update	update
Rate Year		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Period 1 (# months)									*0*				
Period 2 (# months)		*12*	*12*	*12*	*12*	*12*	*12*	*12*	*12*	*12*	*12*	*12*	*12*
Residential									$ 0.0130				
Rate rider for tax sharing	kWh												
Rate rider for foregone revenue													
Changes in Transformer Allowance													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.0130	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 0.0130**	**$ -**	**$ -**	**$ -**	
GS<50 kW									$ 0.0183				
Rate rider for tax sharing	kWh												
Rate rider for foregone revenue													
Changes in Transformer Allowance													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.0183	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 0.0183**	**$ -**	**$ -**	**$ -**	
GS>50 kW									$ 4.2037				
Rate rider for tax sharing	kW												
Rate rider for foregone revenue													
Changes in Transformer Allowance													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4.2037	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 4.2037**	**$ -**	**$ -**	**$ -**	
Large Use									$ 2.2421				
Rate rider for tax sharing	kW												
Rate rider for foregone revenue													
Changes in Transformer Allowance													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2.2421	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2.2421**	**$ -**	**$ -**	**$ -**	
Unmetered Scattered Load									$ 0.0195				
Rate rider for tax sharing	kWh												
Rate rider for foregone revenue													
Changes in Transformer Allowance													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.0195	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 0.0195**	**$ -**	**$ -**	**$ -**	
Sentinel Lighting									$ 9.8694				
Rate rider for tax sharing	kW												
Rate rider for foregone revenue													
Changes in Transformer Allowance													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 9.8694	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	$ 9.8694	**$ -**	**$ -**	**$ -**	
Street Lighting									$ 6.3222				
Rate rider for tax sharing	kW												
Rate rider for foregone revenue													
Changes in Transformer Allowance													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 6.3222	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 6.3222**	**$ -**	**$ -**	**$ -**	

Note: LDC to make note of assumptions affecting the distribution rates above, if any

Table 3-a. Distribution Rates by Rate Class

Table 3-a below pulls the average distribution rates from Table 3 above. Please ensure that the distribution rates relevant to the years of the LRAMVA disposition are used by clearing the rates for year(s) that are not part of the LRAMVA claim. The distribution rates that remain in Table 3-a will be carried over to Tabs 4 and 5 of the work form to calculate lost revenues.

Year	Residential	GS<50 kW	GS>50 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting							
	kWh	kWh	kW	kW	kWh	kW	kW							
2011	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2012	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2013	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2014	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2015	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2016	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2017	$0.0130	$0.0183	$4.2037	$2.2421	$0.0195	$9.8694	$6.3222	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2018	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2019	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2020	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000

Note: LDC to make note of assumptions affecting the distribution rates above, if any

PRZ-Staff-8

RGCRP
Reference: Exhibit 3, Tab 1, Schedule 9, Pages 2 to 3
Reference: Exhibit 5, Attachment 27_PRZ Excel

On page 2 of the RGCRP evidence, Alectra Utilities states that "Alectra Utilities is requesting to collect renewable generation funding of $256,814 in 2020 or $21,401 per month from all provincial ratepayers for the PowerStream RZ, as identified in Attachment 27".

Table 88, on page 3 of the RGCRP evidence, and the Attachment 27 both have the annual payment amount of $256,894 for 2020.

Questions:

a) Please confirm the $256,814 is a typo and update the evidence accordingly.

Response:

a) Alectra Utilities confirms that the amount of $256,814 is a typo. Alectra Utilities is requesting to collect renewable generation funding of $256,894 in 2020 or $21,408 per month from all provincial ratepayers for the PowerStream RZ, as identified in Attachment 27.

ERZ-Staff-1

Reference 1: ERZ - 2018 GA Analysis Workform
Reference 2: ERZ – 2017 GA Analysis Workform (EB-2018-0016)

The calculated loss factor for the ERZ in the 2018 GA Analysis Workform (Cell F59/Cell D26) is approximately 1.0642. The calculated loss factor from the 2017 GA Analysis Workform for ERZ, filed on September 17, 2018 in EB-2018-0016, is approximately 1.0246. Alectra Utilities' ERZ OEB-approved total loss factor is 1.0360 (for secondary metered customers < 5,000 kW, which should constitute the majority of the GA consumption billed).

Questions:

a) Please explain why the 2018 GA Analysis Workform shows such a significant increase in calculated system losses.

b) Please review the consumption data in Note 2 of the 2018 GA Analysis Workform, as well as the consumption data in Note 4, and confirm no adjustments are required. Alternatively, if there is an error in the consumption data that is producing a significantly large calculated loss factor, please update the Workform accordingly.

Response:

a) The 2018 GA Analysis Workform shows an increase in calculated system losses as a result of a reporting issue in the consumption data for the Enersource and PowerStream rate zones, which has since been corrected.

b) The GA Workform has been updated with the corrected consumption data, and is filed as ERZ-Staff-1_Attach 1_GA Workform ERZ

ERZ-STAFF-1
ATTACHMENT 1 – GA WORKFORM ERZ

Ontario Energy Board

GA Analysis Workform

Account 1589 Global Adjustment (GA) Analysis Workform

Input cells
Drop down cells

Note 1 **Year(s) Requested for Disposition** **2018**

Note 2 **Consumption Data Excluding for Loss Factor (Data to agree with RRR as applicable)**

Year		2018		
Total Metered excluding WMP	C = A+B	7,251,773,364	kWh	100%
RPP	A	2,509,316,206	kWh	34.6%
Non RPP	B = D+E	4,742,457,158	kWh	65.4%
Non-RPP Class A	D	1,864,301,811	kWh	25.7%
Non-RPP Class B*	E	2,878,155,347	kWh	39.7%

*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

Note 3 **GA Billing Rate**

GA is billed on the 1st Estimate

GA Billing Rate Description

Enersource RZ bills customers based on the GA first estimate, and the IESO charges GA based on actual GA rates. Enersource RZ applies GA first estimate on all billing and unbilled revenue transactions for non-RPP Class B customers in each customer class.

Note 4 **Analysis of Expected GA Amount**

Year **2018**

Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed ($/kWh)	$ Consumption at GA Rate Billed	GA Actual Rate Paid ($/kWh)	$ Consumption at Actual Rate Paid	Expected GA Variance ($)
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K
January	255,186,532	261,900,165	278,356,178	271,642,544	0.08777	$ 23,842,066	0.06736	$ 18,297,842	-$ 5,544,224
February	222,811,675	278,356,178	296,615,110	241,070,607	0.07333	$ 17,677,708	0.08167	$ 19,688,236	$ 2,010,529
March	253,623,527	296,615,110	300,910,032	257,918,449	0.07877	$ 20,316,236	0.09481	$ 24,453,248	$ 4,137,012
April	229,354,345	300,910,032	315,167,516	243,611,829	0.09810	$ 23,898,320	0.09959	$ 24,261,302	$ 362,982
May	239,120,859	315,167,516	327,706,750	251,660,093	0.09392	$ 23,635,916	0.10793	$ 27,161,674	$ 3,525,758
June	251,255,040	327,706,750	335,754,012	259,302,302	0.13336	$ 34,580,555	0.11896	$ 30,846,602	-$ 3,733,953
July	280,525,665	335,754,012	309,770,247	254,541,901	0.08502	$ 21,641,152	0.07737	$ 19,693,907	-$ 1,947,246
August	281,157,583	309,770,247	282,859,462	254,246,798	0.07790	$ 19,805,826	0.07490	$ 19,043,085	-$ 762,740
September	247,344,525	282,859,462	267,857,184	232,342,246	0.08424	$ 19,572,511	0.08584	$ 19,944,258	$ 371,748
October	228,665,756	267,857,184	263,610,385	224,418,958	0.08921	$ 20,020,415	0.12059	$ 27,062,682	$ 7,042,267
November	235,926,731	263,610,385	254,622,793	226,939,139	0.12235	$ 27,766,004	0.09855	$ 22,364,852	-$ 5,401,152
December	242,280,538	254,622,793	277,228,493	264,886,237	0.09198	$ 24,364,236	0.07404	$ 19,612,177	-$ 4,752,059
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	**2,967,252,775**	**3,495,129,834**	**3,510,458,162**	**2,982,581,103**		**$ 277,120,945**		**$ 272,429,866**	**-$ 4,691,079**

Calculated Loss Factor **1.0363**

Note 5 **Reconciling Items**

	Item	Applicability of Reconciling Item (Y/N)	Amount (Quantify if it is a significant reconciling item)	Explanation
Net Change in Principal Balance in the GL (i.e. Transactions in the Year)			**-$ 8,449,465**	
1a	Remove impacts to GA from prior year RPP Settlement true up process that are booked in current year	Y	-$ 1,063,861	DR of $1,064k related to prior year but included in the GL in the current year, therefore, should record CR in current year
1b	Add impacts to GA from current year RPP Settlement true up process that are booked in subsequent year	Y	-$ 2,980,120	CR of $2,980k relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year
2a	Remove prior year end unbilled to actual revenue differences	Y	$ 980,410	DR of $980k related to prior year under-accrual of unbilled revenue
2b	Add current year end unbilled to actual revenue differences	Y	$ 4,266,242	DR of $4,266k relates to current year over-accrual of unbilled revenue
3a	Remove difference between prior year accrual to forecast from long term load transfers			
3b	Add difference between current year accrual to forecast from long term load transfers			
4	Remove GA balances pertaining to Class A customers			
5	Significant prior period billing adjustments included in current year GL balance but would not be included in the billing consumption used in the GA Analysis			
6	Differences in GA IESO posted rate and rate charged on IESO invoice			
7				
8				
9				
10				

Note 6

Adjusted Net Change in Principal Balance in the GL	-$	7,246,793
Net Change in Expected GA Balance in the Year Per Analysis	-$	4,691,079
Unresolved Difference	-$	2,555,714
Unresolved Difference as % of Expected GA Payments to IESO		-0.9%

ERZ-Staff-2

Reference 1: IRM Rate Generator Model ERZ Tab 3 DVA Continuity Schedule
Reference 2: ERZ - 2018 GA Analysis Workform

Questions:

a) **The amounts entered in cell BF28 for Account 1588 in the 2018 Principal Adjustments column of the ERZ DVA Continuity Schedule should be comprised of multiple elements: a credit amount of $1,501,743, pertaining to the reversal of Principal Adjustments from 2017, as well as any other entries to adjust the 2018 closing balances. Alectra has reported a single credit figure of $370,191. Please explain, in detail, what the credit amount of $370,191 represents and how it was calculated by separating the amounts pertaining to reversals from 2016 adjustments and providing supporting calculations for all other adjustments (Note: Alectra Utilities may refer to the response for interrogatory ERZ-Staff-76-a from EB-2018-0016 for the detail OEB staff is seeking).**

b) **A credit amount of $538,732 in cell BF29 for Account 1589 in the 2018 Principal Adjustments column of the ERZ DVA Continuity Schedule appears to be comprised of the sum of the reconciling items in the 2018 GA Analysis Workform. Included in those adjustments is reconciling item 1b (current year RPP settlement booked in subsequent year) for a credit amount of $2,980,120, and reconciling item 2b (current year end unbilled to actual revenue differences) for a debit amount of $4,485,658. Please explain, in detail, how these figures were calculated (Note: Alectra Utilities may refer to the response for interrogatory ERZ-Staff-76-b and ERZ-Staff-76-c from EB-2018-0016 for the detail OEB staff is seeking).**

c) **The adjustment referred to in part b) above for a debit of $4,485,658 is described by Alectra Utilities in the GA Analysis Workform as "CR 4,486k over accrual relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year". The adjustment is referred to as a credit in the description, however, it is recorded as a debit adjustment. Please confirm whether this adjustment should be a debit or credit entry. If necessary, please update the GA Analysis Workform and DVA continuity schedule.**

d) **Please provide a table similar to the one provided in interrogatory response ERZ-Staff-76-c to provide the underlying calculation of the unbilled revenue difference shown as reconciling item 2b in the ERZ 2018 GA Analysis Workform.**

Response:

a) The amount entered in cell BF28 for Account 1588 in the 2018 Principal Adjustments column of the Enersource RZ DVA Continuity Schedule is a credit of $370,191. This balance is comprised of the following elements: i) a credit amount of $1,501,743, pertaining to the reversal of Principal Adjustments from 2017; and ii) a debit amount of $1,131,552 pertaining to the adjustment made during 2019 related to 2018 True-up. The detailed calculation of the reversal of last year's RPP true-up (2017) which was recorded in 2018 in the amount of $1,501,743 is provided in Table 1 below. The detailed calculation of the current year adjustment is provided in Table 2 and 3 below.

Table 1 – RPP true-up calculation

RPP Block	Estimated Consumption (Oct - Dec 2017)	RPP Price	Estimated Spot Price (Ave Oct - Dec 2017)	Initial RPP Claim	Actual Consumption (Oct - Dec 2017)	RPP Price	Actual Spot Price (Avg Oct-Dec 2017)	Revised RPP Claim	RPP True Up
	A	B	C	D=A*(B-C)	A1	B1	C1	D1=A1*(B1-C1)	E=D1-D
Tier 1	88,454,091	0.0770	0.0143	$ 5,545,462	90,249,706	0.0770	0.0145	$ 5,643,916	$ 98,454
Tier 2	29,838,469	0.0900	0.0143	$ 2,258,566	31,828,154	0.0900	0.0145	$ 2,404,193	$ 145,626
On Peak kWh	87,913,133	0.1320	0.0143	$ 10,346,770	91,569,680	0.1320	0.0145	$ 10,762,795	$ 416,025
Mid Peak kWh	87,747,433	0.0950	0.0143	$ 7,080,613	88,254,206	0.0950	0.0145	$ 7,107,700	$ 27,087
Off Peak kWh	299,335,984	0.0650	0.0143	$ 15,174,271	316,380,616	0.0650	0.0145	$ 15,988,822	$ 814,551
Total	**593,289,110**			**$ 40,405,682**	**618,282,363**			**$ 41,907,425**	**$ 1,501,743**

Table 2 – 1588 RPP true-up calculation – November 2018

RPP Customers	November 2018 RPP kWhs estimated	RPP Price	Estimated Spot Price	$RPP - $Spot (difference claimed)	November 2018 RPP kWhs actual	RPP Price	Actual Spot Price	$RPP - $Spot (actual difference)	November True-up included in January 2019 Claim
	A	B	C	D=A*(B-C)	A1	B1	C1	D1=A1*(B1-C1)	E=D1-D
Tier 1	25,944,754	0.077	0.023	$ 1,391,766.68	29,258,010	0.077	0.026	$ 1,499,931.72	
Tier 2	9,469,027	0.089	0.023	$ 621,579.81	8,803,968	0.089	0.026	$ 552,244.25	
On Peak kWh	26,572,903	0.132	0.023	$ 2,886,972.44	30,213,582	0.132	0.026	$ 3,196,185.92	
Mid Peak kWh	27,623,184	0.094	0.023	$ 1,951,397.63	29,815,773	0.094	0.026	$ 2,021,248.79	
Off Peak kWh	85,206,663	0.065	0.023	$ 3,548,301.28	96,517,141	0.065	0.026	$ 3,746,076.17	
Total	**174,816,531**			**$ 10,400,017.85**	**194,608,474**			**$ 11,015,686.85**	**$ 615,669.00**

Table 3 – 1588 RPP true-up calculation – December 2018

RPP Customers	December 2018 RPP kWhs estimated	RPP Price	Estimated Spot Price	$RPP - $Spot (difference claimed)	December 2018 RPP kWhs actual	RPP Price	Actual Spot Price	$RPP - $Spot (actual difference)	December True-up included in February 2019 Claim
	A	B	C	D=A*(B-C)	A1	B1	C1	D1=A1*(B1-C1)	E=D1-D
Tier 1	36,599,649	0.077	0.025	$ 1,897,776.86	32,023,043	0.077	0.026	$ 1,629,796.12	
Tier 2	7,916,642	0.089	0.025	$ 505,495.99	9,510,162	0.089	0.027	$ 588,063.39	
On Peak kWh	30,691,202	0.132	0.025	$ 3,279,426.26	30,558,739	0.132	0.027	$ 3,206,798.53	
Mid Peak kWh	28,943,386	0.094	0.025	$ 1,992,819.39	30,283,349	0.094	0.027	$ 2,028,647.03	
Off Peak kWh	87,781,294	0.065	0.025	$ 3,498,288.57	110,900,822	0.065	0.027	$ 4,236,385.01	
Total	**191,932,173**			**$ 11,173,807.07**	**213,276,115**			**$ 11,689,690.07**	**$ 515,883.00**

Total Adjustment for November 2018 and December 2018 **$ 1,131,552.00**

b) The principal adjustment made to Account 1589 of a credit amount of $538,732 has been revised to ($758,149) in the most recent version of the RGM model provided in response to G-Staff-1, and is comprised of the following items:

Table 4 – Account 1589 Reconciliation

Adjustment	Amount
Removal of prior year RPP Settlement true-up booked in current year	$(1,063,861)
Inclusion of current year RPP Settlement true-up booked in subsequent year	$(2,980,120)
Total impact of RPP Settlement true-up reflected in DVA schedule	**$(4,043,981)**
Remove prior year end unbilled to actual revenue differences	$(980,410)
Add current year end unbilled to actual revenue differences	$4,266,242
Total Adjustment made to DVA Continuity	**$(758,149)**

The detailed calculation of the current year RPP true-up which was booked in 2019, in the credit amount of $2,980,120 is provided in Tables 5 to 9 below.

Table 5 – Estimated GA Cost used for Initial RPP Claim

RPP Period	Estimated Consumption (Nov - Dec 2018)	GA 2nd Estimate	Estimated RPP kWh @ GA 2nd Estimate (Nov - Dec 2018)
	A	B	C = A x B
November	174,816,531	$0.10540	$18,425,662
December	191,932,173	$0.07067	$13,563,847
Total	**366,748,704**		**31,989,509**

Table 6 – GA Cost per December 2018 Year-End Estimate

RPP Period	Estimated Consumption (Nov - Dec 2018)	GA Actual / 2nd Estimate	Estimated RPP kWh @ GA 2nd Estimate (Nov - Dec 2018)
	A	B	C = A x B
November	174,816,531	$0.09855	$17,228,169
December	191,932,173	$0.07404	$14,210,658
Total	**366,748,704**		**31,438,827**

Alectra Utilities estimated the RPP true-up using more up to date consumption data and the actual GA rates that were available at the time. The difference in GA costs of a credit of $550,682 ($31,438,827 - $31,989,509) was recorded in the General Ledger in 2019 to capture the RPP true-up related to November to December 2018 as shown in Table 7 below.

Table 7 – GA Cost per December 2018 Year-End Estimate

RPP Period	Actual Consumption (Nov - Dec 2018)	GA Actual	Estimated RPP kWh @ GA 2nd Estimate (Nov - Dec 2018)
	A	B	C = A x B
November	174,816,531	-$0.00685	-$1,197,493
December	191,932,173	$0.00337	$646,811
Total	**366,748,704**		**-$550,682**

In 2019, when all billing data and actual GA prices became available, another true-up calculation was performed as shown in Table 8 below. The actual GA cost was $2,980,120 higher than the estimate calculated at year-end as shown in Table 9.

Table 8 – Actual GA Cost

RPP Period	Actual Consumption (Nov - Dec 2018)	GA Actual	Estimated RPP kWh @ GA 2nd Estimate (Nov - Dec 2018)
	A	B	C = A x B
November	194,608,474	$0.09855	$19,178,665
December	213,276,115	$0.07404	$15,790,964
Total	**407,884,589**		**34,969,629**

Table 9 – RPP Settlement True-up

RPP Block	Actual Consumption (Nov - Dec 2018)	GA Actual	Estimated RPP kWh @ GA 2nd Estimate (Nov - Dec 2018)
	A	B	C = A x B
November	19,791,943	0.09855	1,950,496
December	21,343,942	0.07404	1,580,305
Total	**41,135,885**		**3,530,801**

Total Adjustment for November 2018 and December 2018	**$2,980,120**

c) The adjustment referred to in part b) above for a debit of $4,485,658 has been revised to $4,266,242. Alectra Utilities has updated the wording in the description for this item in the GA Workform which is filed in response to ERZ-Staff-1.

d) The credit balance of $4,266,242 is made up of the difference between the December 2018 actual and accrued Class B consumption multiplied by the GA 1st estimate rate for December of $0.09198 per kWh. The unbilled reconciliation is calculated in the table below.

Table 10 – Unbilled Reconciliation

	2018
Actual December GA Consumption (kWhs)	230,846,210
Accrued December GA Consumption (kWhs)	277,228,493
Under/(Over) Accrued Consumption	46,382,283
GS 1st Estimate Rate (December)	0.09198
Unbilled 1st Estimate Rate (December) ($)	4,266,242

ERZ-Staff-3

Reference 1: IRM Rate Generator Model ERZ Tab 3 DVA Continuity Schedule
Reference 2: ERZ - 2018 GA Analysis Workform
Reference 3: EB-2018-0016 Interrogatory Response ERZ-Staff-76

In response to Interrogatory ERZ-Staff-76 part c), Alectra Utilities provided a table, Table 8 – Unbilled Reconciliation. OEB Staff notes that this table shows that Alectra Utilities under-accrued GA billings, when compared to actual consumption, for the year-end 2017. Alectra Utilities recorded a debit adjustment in the 2017 GA Analysis Workform and in the 2017 DVA continuity schedule for a debit amount of $980,410.

Questions:

a) **Please confirm that revenue was under-accrued in 2017, based on Table 8 in the response to ERZ-Staff-76-c from EB-2018-0016. If this is not the case, please explain.**

b) **If part a) is confirmed, please also confirm that to adjust for under-accrued revenue, the 2017 entry should have been a credit of $980,410 (to account for the fact that some of the unbilled revenue from 2017 was actually recorded in 2018). If this is not the case, please explain.**

c) **If the question in part b) is confirmed, please revise the GA Analysis Workform for 2018 and present item 2a) as a debit (please note that OEB staff is not advising to adjust the amounts in the continuity schedule, as the incorrect debit adjustment in 2017 should still be offset by a credit entry in 2018. However, the GA Analysis Workform should be revised to show the actual unresolved differences in Note 6).**

d) **Please explain if this type of error is applicable to the calculated unbilled revenue difference in item 2a (prior year unbilled revenue difference) of the 2018 GA Analysis Workforms for any of the other Alectra Utilities rate zones. If so, please adjust items 2a in the other rate zones' 2018 GA Analysis Workforms (for 2017 unbilled revenue errors, if any, please only adjust item 2a in the GA Analysis Workforms, and not in the DVA continuity schedules).**

e) **Please explain if this type of error is applicable to the calculated unbilled revenue difference in item 2b (current year unbilled revenue difference) of the 2018 GA Analysis Workforms for any of the other Alectra Utilities rate zones. If the 2018 unbilled revenue principal adjustments and GA Analysis Workforms have been affected by a similar error, please adjust the GA Analysis Workforms and the 2018 principal adjustments, accordingly.**

Response:

a) Alectra Utilities confirms that revenue was under-accrued in 2017, based on Table 8 in response to ERZ-Staff-76-c from EB-2018-0016.

b) Alectra Utilities confirms that the under-accrued revenue in 2017 should have been a credit of $980,410.

c) An adjustment has been made to present item 2a) as a debit. Please refer to the revised GA Workform provided in response to ERZ-Staff 1.

d) This type of error is only applicable to the Enersource Rate Zone.

e) This type of error is only applicable to the Enersource Rate Zone.

ERZ-Staff-4

LRAMVA - lost revenues from street lighting
Reference 1: Exhibit 3, Tab 1, Schedule 10, p. 3 of 15 (paras. 22-23)
Reference 2: Exhibit 5, Attachment 33 LRAMVA Workform ERZ_20190528
Reference 3: EB-2018-0016, Responses to Supplementary IRs, October 24, 2018 (Table 1)

Alectra Utilities stated that it has provided additional data in Tab 8. Street Lighting of the LRAMVA model, where applicable, in support of the Street Lighting project savings. Based on OEB staff's review, Tab 8 of Attachment 33 was not completed. Instead, the demand savings for street light upgrades of 50,064 kW were hard-coded in Tab 5 (cell AD 567).

Questions:

a) **Please explain whether 50,064 kW of street light demand savings for projects in the City of Mississauga are claimed, and what this includes.**

   For example:
   - **year of persisting demand savings or new savings**
   - **data on number of bulbs, type of bulbs replaced or retrofitted and average demand per bulb (pre and post upgrade)**
   - **confirmation that savings from new additions has been removed. If not, please discuss.**

b) **Please update the LRAMVA workform to include Tab 8 from Version 4 posted on July 15, 2019 for 2020 COS applications.**

c) **Please confirm that the LED and non-LED street light upgrades, if any, represent incremental savings attributable to the municipality's participation in the IESO's CDM program.**
   i. **If there are savings that are not incented through the IESO's CDM program, please identify these savings and remove them from the LRAMVA calculations. If they are included, please explain.**

   ii. **If there are changes to 50,064 kW of street light savings originally claimed, please indicate what has been removed.**

d) **Please confirm whether the distributor received reports from the participating municipality that validate the number and type of bulbs replaced or retrofitted through the IESO's CDM program. If so, please provide reports.**

Response:

a) The street light demand savings for projects in the City of Mississauga include one street light project in the Enersource RZ which was completed in two phases. Phase one was completed in 2013, and generated 17,926.43 kW in incremental demand savings. Phase two was completed in 2016, and generated 34,402.09 kW in incremental demand savings. The savings for both years total 52,328.52 kW of demand savings, which persisted into 2017. Alectra Utilities has updated Tab 8 in the LRAMVA Workform for the Enersource RZ to provide detailed information on the street light project. As a result, the streetlight project savings have been updated from 50,064 kW to 52,329.52 kW.

There were 24,338 and 21,298 High-Pressure Sodium ("HPS") street lights converted to LED lights in the first phase and second phase, respectively. A detailed breakdown on the type of bulbs replaced and average demand per bulb (pre and post upgrade) can be found in Tab 8 of the updated LRAMVA workform filed in response to ERZ-Staff-5.

Alectra Utilities confirms that savings from new additions have been removed.

b) Tab 8 from Version 4 of the LRAMVA workform has been updated to reflect the changes above.

c) Alectra Utilities confirms that the LED street light upgrade, represented incremental savings attributable to the municipality's participation in the IESO's CDM program.

   i. Alectra Utilities confirms that the reported savings are related to the IESO's CDM program.
   ii. Alectra Utilities' update to the street light demand savings for the Enersource RZ, as identified in part a) of the response, is due to the methodology applied in computing the street light savings. Alectra Utilities has now relied on Tab 8 from version 4 of the LRAMVA workform to compute street light savings.

d) Alectra Utilities relied on a third Party Report from the Stratadyne Group Inc. to validate the number and type of bulbs replaced. The Stratadyne Report is provided as ERZ-Staff-4_Attach 1_Stratadyne Report.

ERZ-STAFF-4
ATTACHMENT 1 – STRATADYNE REPORT

December 14, 2016

Deepa Puthran
CDM Program Analyst, Strategic Projects
Enersource
2185 Derry Road West, Mississauga
ON L5N 7A6
Sent electronically: dputhran@enersource.com

Re: Application 128,008 City of Mississauga – Street Lighting Replacement

Dear Deepa:

I am writing with respect to the 2016 post-project evaluation for Application 128,008 – City of Mississauga- Street Lighting Replacement.

1. Project Description

The City of Mississauga (City) has replaced 45,636 high-pressure sodium (HPS) street lights with LED street lights from 2012 to 2016 in two phases.

The Phase 1 project was completed in 2013 with 24,338 HPS street lights replaced. The Phase 2 project was completed in 2016 with 21,298 HPS street lights replaced.

Base Case Wattage	Total Qty replaced for both phases	Base Case Qty from 2013 Phase 1	Base Case Qty for 2016 Phase 2
HPS 100 W	15,252	11,186	4,066
HPS 150 W	2,123	183	1,940
HPS 250 W	7,641	366	7,275
HPS 400 W	4,133	124	4,009
HPS 70 W	16,487	12,479	4,008
Total	**45,636**	**24,338**	**21,298**

This application is for Phase 2 only. The Phase 1 application was completed and incentive was paid to the Applicant. The breakdown of the LED fixtures for Phase 2 is shown in the table below.

Retrofit Case Type	Retrofit Case Qty for 2016 Phase 2
LED100	2,833
LED120	3,018
LED16	102
LED30	1,615
LED32	3,612
LED40	2,576
LED44	2,898
LED48	3,855
LED60	123
LED80	666
Total	**21,298**

The City submitted two custom project applications. The first application used the Custom Lighting Project Worksheet for the lighting retrofit. This application applied for the incentive for the replacement of 21,298 high pressure sodium street lights with LED lights.

The second application used the Custom Non-Lighting Project Worksheet for the lighting control. The new LED lighting fixtures are designed to supply lighting when lamps are at 70 - 75% of rated life. Initially lamps provide for more light than needed to adjust for lumen depreciation at 70% of useful life. This application applied for the installation of lighting controller to reduce the output of the lamps from day one to when the lamps reach 70% of useful lamp life.

2. Measurement & Verification (M & V) Process

Street Lighting is one of the rate classes of Enersource Hydro Mississauga. City of Mississauga is the only customer. The 2012 kW demand and kWh forecast was approved by the OEB. In the 2012 Enersource Rate Application, the total annual billing demand forecast including loss adjustment was 115,477 kW. The average monthly billing demand was 9,623 kW. The OEB approved loss factor was 3.6%. The annual street light operating hours was 4264 hours. The annual operating hours were provided by Enersource derived from previous billing data.

Baseline M & V

IPMVP Option A was chosen for the M & V. The approach for the baseline measurement was a combination of field measurement following the OPA's "LR-E: Enhanced M & V" and the OEB's approved street light forecast for 2012. Spot measurement RMS wattage readings for a minimum of 6 randomly selected lighting fixtures of each type of lamp/ballast combination were performed.

The summary of the measurement results is shown below.

Number of Measures	Fixture Type	Measured Watts	Loss Adjusted	City's Estimate	Variance Watts	% Variance
8	70 W HPS	94.64	98.05	99.00	-0.95	-1.0%
11	100 W HPS	133.20	137.99	138.00	-0.01	0.0%
6	150 W HPS	194.04	201.02	199.00	2.02	1.0%
6	250 W HPS	262.68	272.13	305.00	-32.87	-10.8%
6	400 W HPS	469.00	485.89	482.00	3.89	0.8%

Fixture Type	Qty	kW/fixture	Total kW	City's Estimate kW	Variance kW	%
70 W HPS	17,541	0.098	1,719.83	1,736.56	-16.73	-0.96%
100 W HPS	15,724	0.138	2,169.82	2,169.91	-0.09	0.00%
150 W HPS	2,297	0.201	461.75	457.10	4.65	1.02%
250 W HPS	8,299	0.272	2,258.43	2,531.20	-272.76	-10.78%
400 W HPS	4,844	0.486	2,353.64	2,334.81	18.83	0.81%
	48,705	Total	8,963.00	9,229.58	-266.11	-2.88%

Post Project M & V

Six (6) spot measurements were conducted for each type of LED Lamp Type.

Field Test - November 1, 2016

New LED	ID (Adaptive Controls)	FID	Gateway	Voltage (V)	Current (I)		Power Factor		Power at 65%	Power at 100%	Luminaire Label Wattage (W)	Power at 100%
					At 65%	At 100%	At 65%	At 100%	Field Reading (KW)	Field Reading (KW)		Field Reading (KW)
32 LED	22194	500780	22_02	248.7	0.17	0.25	1	1	0.041	0.062	73	
32 LED	31687	501167	22_02	248.2	0.17	0.25	0.95	1	0.039	0.06	73	
32 LED	26661	500781	22_02	248.8	0.17	0.25	0.95	0.95	0.04	0.06	73	
32 LED	22198	1460304	22_02	249	0.17	0.25	0.9	0.93	0.04	0.06	73	
32 LED	22182	500783	22_02	248.8	0.17	0.25	0.95	0.93	0.04	0.06	73	
32 LED	22223	500787	22_02	249.1	0.17	0.25	1	1	0.041	0.06	73	**0.060**
44 LED	59938	501469	22_02	248.6	0.33	0.51	0.95	0.96	0.07	0.12	154	
44 LED	25570	502456	22_02	248.7	0.33	0.53	0.95	0.99	0.08	0.13	154	
44 LED	58288	501016	22_02	248.8	0.32	0.5	0.95	0.96	0.07	0.12	154	
44 LED	63904	1356235	22_02	249.7	0.33	0.51	0.95	0.96	0.081	0.12	154	
44 LED	41877	1356232	22_02	249.1	0.33	0.51	0.95	0.96	0.08	0.12	154	
44 LED	71518	1356234	22_02	247.3	0.33	0.51	0.95	1	0.078	0.125	154	**0.123**
48 LED	37347	1437647	22_02	260	0.23	0.34	0.86	0.95	0.054	0.085	110	
48 LED	52164	1437684	22_02	260.2	0.23	0.34	0.86	0.95	0.054	0.085	110	
48 LED	37315	1437650	22_02	260.4	0.23	0.34	0.86	0.95	0.054	0.085	110	
48 LED	24457	629135	22_02	256.8	0.23	0.35	0.93	0.95	0.056	0.088	110	
48 LED	37345	629131	22_02	260	0.23	0.35	0.86	0.95	0.055	0.086	110	
48 LED	29158	1437758	22_02	245.5	0.24	0.37	0.93	1	0.057	0.089	110	**0.086**

Field Test - November 2, 2016

New LED	ID (Adaptive Controls)	FID	Gateway	Voltage (V)	Current (I)		Power Factor		Power at 65%	Power at 100%	Luminaire Label Wattage (W)	Power at 100%
					At 65%	At 100%	At 65%	At 100%	Field Reading (KW)	Field Reading (KW)		Field Reading (KW)
16 LED	33491	1236446	40_02	245	0.091	0.13	0.99	1	0.026	0.033	38	
16 LED	20282	1236445	40_02	246.5	0.09	0.13	0.98	1	0.0216	0.034	38	
16 LED	55269	1236444	40_02	248.3	0.09	0.13	0.99	1	0.0216	0.033	38	
16 LED	33179	1236443	40_02	246.3	0.09	0.13	0.99	1	0.0217	0.034	38	
16 LED	46176	1236442	40_02	247	0.09	0.13	0.99	0.99	0.0214	0.032	38	
16 LED	30484	1607507	40_02	247	0.09	0.13	0.99	0.94	0.0216	0.032	38	**0.033**
40 LED	79663	804897	44_02	235.1	0.23	0.34	0.92	0.95	0.052	0.078	91	
40 LED	59405	804898	44_02	234.7	0.23	0.34	0.92	0.94	0.051	0.076	91	
40 LED	59400	804899	44_02	234.5	0.22	0.32	0.92	0.94	0.049	0.075	91	
40 LED	59402	804900	44_02	234.8	0.22	0.33	0.92	0.94	0.049	0.075	91	
40 LED	79634	804885	44_02	236	0.22	0.33	0.92	0.94	0.049	0.076	91	
40 LED	59401	804886	44_02	235.7	0.21	0.32	0.91	0.94	0.046	0.073	91	**0.0755**
60 LED	67196	803742	44_02	232.7	0.29	0.46	0.94	0.98	0.064	0.103	134	
60 LED	67185	803743	44_02	232.9	0.28	0.45	0.93	0.96	0.063	0.101	134	
60 LED	47765	803744	44_02	232.6	0.29	0.46	0.94	0.98	0.065	0.104	134	
60 LED	31761	803748	44_02	233.5	0.32	0.47	0.94	0.96	0.069	0.107	134	
60 LED	47766	803749	44_02	232.5	0.3	0.47	0.94	0.98	0.067	0.106	134	
60 LED	56284	803747	44_02	242.8	0.299	0.451	0.97	0.99	0.068	0.106	134	**0.1045**
80 LED	55285	803756	44_02	231.4	0.44	0.65	0.92	0.97	0.093	0.144	182	
80 LED	30423	803755	44_02	230.5	0.45	0.66	0.92	0.94	0.094	0.145	182	
80 LED	35169	803754	44_02	235.1	0.45	0.66	0.92	0.94	0.095	0.146	182	
80 LED	32684	803753	44_02	230.55	0.449	0.66	0.91	0.96	0.091	0.143	182	
80 LED	32636	803752	44_02	230.8	0.43	0.64	0.98	0.94	0.091	0.143	182	
80 LED	21994	803751	44_02	230.2	0.43	0.64	0.94	0.91	0.09	0.143	182	**0.144**

Lamp type	Measurement #	Location	Voltage (Volt)	Current (A)	PF	Measured Watts	Loss Adjusted (3.6%) kW
30 LED	1	2nd pole West of Dixie/South of Winding Trail	123.0	0.3	1.00	37.0	
30 LED	2	3rd pole West of Dixie/South of Winding Trail	122.0	0.3	1.00	38.0	
30 LED	3	4th pole West of Dixie/South of Winding Trail	122.0	0.3	1.00	37.0	
30 LED	4	5th pole West of Dixie/South of Winding Trail	122.0	0.3	1.00	37.0	
30 LED	5	6th pole West of Dixie/South of Winding Trail	122.0	0.3	1.00	36.0	
30 LED	6	7th pole West of Dixie/South of Winding Trail	122.0	0.3	1.00	36.0	
				Average		36.8	0.0382
Lamp type	**Measurement #**	**Location**	**Voltage (Volt)**	**Current (A)**	**PF**	**Measured Watts**	
100 LED	1	1st pole on Burhamthorpe West of Dixie North Side	246.0	0.56	0.87	120.0	
100 LED	2	2nd pole on Burhamthorpe West of Dixie North Side	246.6	0.49	0.97	118.4	
100 LED	3	6th pole on Burhamthorpe West of Dixie North Side	243.0	0.51	0.96	119.0	
100 LED	4	7th pole on Burhamthorpe West of Dixie North Side	242.0	0.56	0.89	120.0	
100 LED	5	8th pole on Burhamthorpe West of Dixie North Side	242.0	0.54	0.92	120.0	
100 LED	6	10th pole on Burhamthorpe West of Dixie North Side	242.0	0.55	0.90	120.0	
				Average		119.6	0.1239
Lamp type	**Measurement #**	**Location**	**Voltage (Volt)**	**Current (A)**	**PF**	**Measured Watts**	
120 LED	1	5th pole on Dixie/south of Burnhamthorpe	249.0	0.58	0.91	132.0	
120 LED	2	6th pole on Dixie/south of Burnhamthorpe	247.0	0.57	0.93	131.0	
120 LED	3	3rd pole on Dixie/north of Winding Trail W side	247.0	0.57	0.94	133.0	
120 LED	4	2nd pole on Dixie/north of Winding Trail W side	247.0	0.58	0.93	133.0	
120 LED	5	1st pole on Dixie/north of Winding Trail W side	246.0	0.57	0.95	133.0	
120 LED	6	2nd pole on Dixie/south of Winding Trail W side	240.6	0.58	0.94	131.0	
				Average		132.2	0.1369

Lighting Control

For lighting control, for each LED lamp measurement, the power level was set at 100% and then set at 65% which is the current setting for all LED lights. The power consumption was measured at 100% power level and then at 65%.

As shown in the tables below. 36% saving due to lighting control was achieved.

New LED	ID (Adaptive Controls)	FID	Gateway	Voltage (V)	Current (I)		Power Factor		Power at 65%	Power at 100%	Luminaire Label Wattage (W)	Power at 65%	Power at 100%	% Saving
					At 65%	At 100%	At 65%	At 100%	Field Reading (KW)	Field Reading (KW)		Field Reading (KW)	Field Reading (KW)	
32 LED	22194	500780	22_02	248.7	0.17	0.25	1	1	0.041	0.062	73			
32 LED	31687	501167	22_02	248.2	0.17	0.25	0.95	1	0.039	0.06	73			
32 LED	26661	500781	22_02	248.8	0.17	0.25	0.95	0.95	0.04	0.06	73			
32 LED	22198	1460304	22_02	249	0.17	0.25	0.9	0.93	0.04	0.06	73			
32 LED	22182	500783	22_02	248.8	0.17	0.25	0.95	0.93	0.04	0.06	73			
32 LED	22223	500787	22_02	249.1	0.17	0.25	1	1	0.041	0.06	73	**0.040**	**0.060**	
44 LED	59938	501469	22_02	248.6	0.33	0.51	0.95	0.96	0.07	0.12	154			
44 LED	25570	502456	22_02	248.7	0.33	0.53	0.95	0.99	0.08	0.13	154			
44 LED	58288	501016	22_02	248.8	0.32	0.5	0.95	0.96	0.07	0.12	154			
44 LED	63904	1356235	22_02	249.7	0.33	0.51	0.95	0.96	0.081	0.12	154			
44 LED	41877	1356232	22_02	249.1	0.33	0.51	0.95	0.96	0.08	0.12	154			
44 LED	71518	1356234	22_02	247.3	0.33	0.51	0.95	1	0.078	0.125	154	**0.077**	**0.123**	
48 LED	37347	1437647	22_02	260	0.23	0.34	0.86	0.95	0.054	0.085	110			
48 LED	52164	1437684	22_02	260.2	0.23	0.34	0.86	0.95	0.054	0.085	110			
48 LED	37315	1437650	22_02	260.4	0.23	0.34	0.86	0.95	0.054	0.085	110			
48 LED	24457	629135	22_02	256.8	0.23	0.35	0.93	0.95	0.056	0.088	110			
48 LED	37345	629131	22_02	260	0.23	0.35	0.86	0.95	0.055	0.086	110			
48 LED	29158	1437758	22_02	245.5	0.24	0.37	0.93	1	0.057	0.089	110	**0.055**	**0.086**	
Total									**1.03**	**1.615**				**36%**

New LED	ID (Adaptive Controls)	FID	Gateway	Voltage (V)	Current (I)		Power Factor		Power at 65%	Power at 100%	Luminaire Label Wattage (W)	Power at 65%	Power at 100%	% Saving
					At 65%	At 100%	At 65%	At 100%	Field Reading (KW)	Field Reading (KW)		Field Reading (KW)	Field Reading (KW)	
16 LED	33491	1236446	40_02	245	0.091	0.13	0.99	1	0.026	0.033	38			
16 LED	20282	1236445	40_02	246.5	0.09	0.13	0.98	1	0.0216	0.034	38			
16 LED	55269	1236444	40_02	248.3	0.09	0.13	0.99	1	0.0216	0.033	38			
16 LED	33179	1236443	40_02	246.3	0.09	0.13	0.99	1	0.0217	0.034	38			
16 LED	46176	1236442	40_02	247	0.09	0.13	0.99	0.99	0.0214	0.032	38			
16 LED	30484	1607507	40_02	247	0.09	0.13	0.99	0.94	0.0216	0.032	38	**0.022**	**0.033**	
40 LED	79663	804897	44_02	235.1	0.23	0.34	0.92	0.95	0.052	0.078	91			
40 LED	59405	804898	44_02	234.7	0.23	0.34	0.92	0.94	0.051	0.076	91			
40 LED	59400	804899	44_02	234.5	0.22	0.32	0.92	0.94	0.049	0.075	91			
40 LED	59402	804900	44_02	234.8	0.22	0.33	0.92	0.94	0.049	0.075	91			
40 LED	79634	804885	44_02	236	0.22	0.33	0.92	0.94	0.049	0.076	91			
40 LED	59401	804886	44_02	235.7	0.21	0.32	0.91	0.94	0.046	0.073	91	**0.049**	**0.0755**	
60 LED	67196	803742	44_02	232.7	0.29	0.46	0.94	0.98	0.064	0.103	134			
60 LED	67185	803743	44_02	232.9	0.28	0.45	0.93	0.96	0.063	0.101	134			
60 LED	47765	803744	44_02	232.6	0.29	0.46	0.94	0.98	0.065	0.104	134			
60 LED	31761	803748	44_02	233.5	0.32	0.47	0.94	0.96	0.069	0.107	134			
60 LED	47766	803749	44_02	232.5	0.3	0.47	0.94	0.98	0.067	0.106	134			
60 LED	56284	803747	44_02	242.8	0.299	0.451	0.97	0.99	0.068	0.106	134	**0.066**	**0.1045**	
80 LED	55285	803756	44_02	231.4	0.44	0.65	0.92	0.97	0.093	0.144	182			
80 LED	30423	803755	44_02	230.5	0.45	0.66	0.92	0.94	0.094	0.145	182			
80 LED	35169	803754	44_02	235.1	0.45	0.66	0.92	0.94	0.095	0.146	182			
80 LED	32684	803753	44_02	230.55	0.449	0.66	0.91	0.96	0.091	0.143	182			
80 LED	32636	803752	44_02	230.8	0.43	0.64	0.98	0.94	0.091	0.143	182			
80 LED	21994	803751	44_02	230.2	0.43	0.64	0.94	0.91	0.09	0.143	182	**0.092**	**0.144**	
Total									**1.3799**	**2.142**				**36%**

3. Demand and Energy Savings – Phase 2 2016

Light Replacement

The 2016 energy saving for the Street Lighting replacement is 13,784,594 kWh. The eligible incentive is $689,230. There are no demand savings because the operating hours are off peak hours.

Base Case					
Replaced HPS (W)	**Qty**	**kW per Fixture**	**Total kW**	**Hours in Operation**	**kWh**
70 W	4,008	0.098	393	4,264	1,674,831
70 W	-		0		0
100 W	4,066	0.138	561	4,264	2,392,565
150 W	1,940	0.201	390	4,264	1,662,704
150 W	-		0		0
250 W	7,275	0.272	1,979	4,264	8,437,603
250 W	-		0		0
250 W	-		0		0
400 W	4,009	0.486	1,948	4,264	8,307,867
400 W	-		0		0
Total	**21,298**		**5,271**		**22,475,570**

Post Project					
New LED	**Qty**	**kW per Fixture**	**Total kW**	**Hours in Operation**	**kWh**
30 LED - 55 W	1,615	0.0382	61.69	4,264	263,059
16 LED - 38 W	102	**0.0330**	3.37	4,264	14,353
32 LED - 73 W	3,612	0.0603	217.92	4,264	929,228
40 LED - 91 W	2,576	0.0755	194.49	4,264	829,297
48 LED - 110 W	3,855	0.0863	332.82	4,264	1,419,123
60 LED - 134 W	123	0.1045	12.85	4,264	54,807
44 LED - 154 W	2,898	0.1225	355.01	4,264	1,513,741
100 LED - 175 W	2,833	0.1239	351.01	4,264	1,496,701
80 LED - 182 W	666	0.1440	95.90	4,264	408,935
120 LED - 205 W	3,018	0.1369	413.16	4,264	1,761,732
	21,298		**2,038.22**		**8,690,976**

Retrofit Savings		
kW	**Gross kWh**	**Eligible Incentive**
331	1,411,772	
-3	-14,353	
343	1,463,337	
195	833,407	
-333	-1,419,123	
1,966	8,382,796	
-355	-1,513,741	
-351	-1,496,701	
1,852	7,898,932	
-413	-1,761,732	
3,233	**13,784,594**	**$689,230**

Lighting Control

Based on test result of November 1 and 2, 2016, the lighting control saving is 36%. The annual electricity usage of LED fixtures at 100% power level is 8,690,976 kWh. At 65% power level, the annual electricity usage is 5,564,855 kWh. The eligible incentive is $312,612. There are no demand savings because the operating hours are off peak hours.

Post Project (65% Power)						Control Savings	
New LED	Qty	kW per Fixture	Total kW	Hours in	kWh	Gross kWh	Eligible Incentive
30 LED - 55 W	1,615	0.0248	40.10	4,264	170,988	92,071	
16 LED - 38 W	102	0.0211	2.15	4,264	9,186	5,167	
32 LED - 73 W	3,612	0.0386	139.47	4,264	594,706	334,522	
40 LED - 91 W	2,576	0.0483	124.47	4,264	530,750	298,547	
48 LED - 110 W	3,855	0.0553	213.00	4,264	908,239	510,884	
60 LED - 134 W	123	0.0669	8.23	4,264	35,077	19,731	
44 LED - 154 W	2,898	0.0784	227.20	4,264	968,794	544,947	
100 LED - 175 W	2,833	0.0793	224.65	4,264	957,889	538,812	
80 LED - 182 W	666	0.0922	61.38	4,264	261,718	147,216	
120 LED - 205 W	3,018	0.0876	264.43	4,264	1,127,509	634,224	
	21,298		**1,305.08**		**5,564,855**	**3,126,121**	**$312,612**

4. Total Eligible Incentive

The total eligible incentive for phase 2 is $1,001,842. The total energy saving is 16,910,714 kWh. There are no demand savings because the operating hours are off peak hours.

Lighting Retrofit

Measure	Incentive Metric (kW or kWh)	Base Case		Energy Efficient Case		Estimated Savings		Calculated Participant Incentive ($400/kW of Demand Savings or $0.05/kWh of Energy Savings)
		electricity demand (kW)	annual electricity consumption (kWh)	electricity demand (kW)	annual electricity consumption (kWh)	Demand Savings (kW)	Energy Savings (kWh)	
LED Street Lights	kWh		22,475,570		8,690,976		13,784,594	$689,230
	kWh	5,271		2,038		0	0	$0.00
							0	
	TOTAL	**5,271**	**22,475,570**	**2,038**	**8,690,976**	**0**	**13,784,594**	**$689,230**

Lighting Control

Measure	Incentive Metric (kW or kWh)	Base Case		Energy Efficient Case		Estimated Savings		Calculated Participant Incentive ($800/kW of Demand Savings or $0.10/kWh of Energy Savings)
		electricity demand (kW)	annual electricity consumption (kWh)	electricity demand (kW)	annual electricity consumption (kWh)	Demand Savings (kW)	Energy Savings (kWh)	
Lighting Controler	kWh		8,690,976		5,564,855		3,126,121	$312,612
	kWh	2,038		1,305		0	0	$0.00
						0	0	
	TOTAL	**2,038**	**8,690,976**	**1,305**	**5,564,855**	**0**	**3,126,121**	**$312,612**

Total Eligible Incentive	**$1,001,842**

5. Recommendation:

I recommend paying the applicant the eligible incentive $1,001,842. I trust this meets your needs. If you have any questions, please contact me at 416-970-4853.

Yours truly,

Lawrence Wu, P. Eng., M. Eng., CMVP
Certified Energy Auditor
Stratadyne Group Inc.

ERZ-Staff-5

LRAMVA - Updates to LRAMVA workform
Reference: Exhibit 5, Attachment 33 LRAMVA Workform ERZ_20190528

Questions:

a) Please confirm that the Tab 8 is populated in the LRAMVA workform(s) re-filed for the ERZ.

b) If Alectra Utilities made any changes any of its rate class LRAMVA workform(s) as a result of its responses to the interrogatories, please file the updated LRAMVA workform(s), the revised balance requested for disposition, and a table summarizing the revised rate riders.

c) Please confirm any changes to the LRAMVA workform in response to these interrogatories in "Table A-2. Updates to LRAMVA Disposition (Tab 2)".

Response:

a) Alectra Utilities confirms that Tab 8 is populated in the updated LRAMVA Workform filed as ERZ-Staff-5_Attach 1_LRAMVA Workform ERZ.

b) Alectra Utilities has made changes in the LRAMVA Workform for the Enersource RZ in response to ERZ-Staff-4. In addition, Alectra Utilities has also made adjustments to its 2017 LRAMVA claim to include additional savings related to 2017, identified in the 2018 Participation and Cost Report. The revised 2017 LRAMVA balance requested for disposition is $2,724,213, compared to $2,389,285 in Alectra Utilities' original submission. Table 1 below provides a summary of the revised rate riders.

Alectra Utilities engaged the SeeLine Group Ltd. to confirm and verify the process and related calculations used for determining the 2017 CDM savings true up for the Enersource, PowerStream, Brampton and Horizon Utilities RZs. The SeeLine Report is provided in response to G-Staff-6_Attach 3_SeeLine Alectra 2017 True-up Report.

Table 1 - **Summary of LRAMVA Rate Riders**

Rate Class	Per	Volumetric Rate Rider Revised	Volumetric Rate Rider as Filed
Residential	kWh	$0.0003	$0.0003
General Service Less Than 50 kW	kWh	$0.0001	$0.0001
General Service 50 To 499 kW	kW	$0.2771	$0.2379
General Service 500 To 4,999 kW	kW	$0.1080	$0.1033
Large Use	kW	$0.0976	$0.0930
Street Lighting	kW	($2.5841)	($3.2588)

c) Alectra Utilities has provided a summary of all changes in Table A-2 of Tab "1-a. Summary of Changes" in the LRAMVA workform. The 2020 IRM RGM Model has also been updated to reflect the changes to the LRAMVA balance.

ERZ-STAFF-5
ATTACHMENT 1 – LRAMVA WORKFORM ERZ

Ontario Energy Board

LRAMVA Work Form: Summary Tab

Version 2.0 (2017)

Legend	
	User Inputs (Green)
	Drop Down List (Blue)
	Auto Populated Cells (White)
	Instructions (Grey)

LDC Name Alectra Utilities - Legacy Enersource Corporation

Application Details

Please fill in the requested information: a) the amounts approved in the previous LRAMVA application, b) details on the current application, and c) documentation of changes if applicable.

A. Previous LRAMVA Application

Previous LRAMVA Application (EB#)	EB-2018-0016
Application of Previous LRAMVA Claim	2019 IRM Application
Period of LRAMVA Claimed in Previous Application	2016
Amount of LRAMVA Claimed in Previous Application	$ 2,011,558.00

B. Current LRAMVA Application

Current LRAMVA Application (EB#)		EB-2019-0018
Application of Current LRAMVA Claim		2020 IRM Application
Period of New LRAMVA in this Application		2017
Actual Lost Revenues ($)	A	**$ 4,228,535**
Forecast Lost Revenues ($)	B	**$ 1,626,550**
Carrying Charges ($)	C	**$ 122,228**
LRAMVA ($) for Account 1568	A-B+C	**$ 2,724,213**

C. Documentation of Changes

Original Amount	$ 2,389,285.00
Amount for Final Disposition	$ 2,724,213.27

Table 1-a. LRAMVA Totals by Rate Class

Please update the customer rate classes applicable to the LDC in Table 1-a below. This will update all tables throughout the workform. The LRAMVA total by rate class in Table 1-a should be used to inform the determination of rate riders in the Deferral and Variance Account Work Form or IRM Rate Generator Model. If the LDC has more than 14 customer classes, LDCs are required to add rows to Table 1-a and update all tables and formulas in the work form accordingly. Please also ensure that the principle amounts in column E of Table 1-a capture the appropriate years and amounts for the LRAMVA claim.

Customer Class	Billing Unit	Principle ($)	Carrying Charges ($)	Total LRAMVA ($)
Residential	kWh	$467,222	$21,948	$489,170
GS<50 kW	kWh	$86,612	$4,069	$90,680
General Service 50 to 499 kW	kW	$1,511,631	$71,009	$1,582,640
General Service 500 to 4,999 kW	kW	$473,150	$22,226	$495,376
Large Use	kW	$163,507	$7,681	$171,187
Street Lighting	kW	-$100,137	-$4,704	-$104,841
Unmetered Scattered Load	kWh	$0	$0	$0
		$0	$0	$0
		$0	$0	$0
		$0	$0	$0
		$0	$0	$0
		$0	$0	$0
		$0	$0	$0
		$0	$0	$0
Total		**$2,601,985**	**$122,228**	**$2,724,213**

Table 1-b. Annual LRAMVA Breakdown by Year and Rate Class

In column C of Table 1-b below, please indicate with a 'check mark' the years in which LRAMVA has been claimed. This is to ensure that there are no amounts claimed retroactively. If you have inserted a check-mark for a particular year, please delete the amounts associated with actual and forecast lost revenues for all rate classes for that year, up to and including the total. Any prior years that a distributor has claimed lost revenues should not be included in the current LRAMVA disposition, with the exception of the case noted below.

If LDCs are seeking to claim true-up amounts that were previously approved by the OEB, please note that the "Amount Cleared" rows are applicable to the LDC and should be filled out. This may relate to claiming the difference in LRAM approved before the May 19, 2016 Peak Demand Consultation, and the lost revenues that would have been incurred after that consultation, as approved by the OEB. If this is the case, reference to the decision must be noted in the rate application. If this is not the case, LDCs are requested to leave those rows blank.

Depending on the period of LRAMVA to be claimed in the current application, LDCs are expected to adjust the applicable totals for carrying charges in row 83 of this table and the years included in the Total LRAMVA balance in row 84, as appropriate.

Description	LRAMVA Previously Claimed	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting	Unmetered Scattered Load				Total
		kWh	kWh	kW	kW	kW	kW	kWh				
2011 Actuals									$0.00	$0.00	$0.00	$0.00
2011 Forecast	☐								$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2012 Actuals									$0.00	$0.00	$0.00	$0.00
2012 Forecast	☐								$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2013 Actuals									$0.00	$0.00	$0.00	$0.00
2013 Forecast	☐								$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2014 Actuals									$0.00	$0.00	$0.00	$0.00
2014 Forecast	☐								$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2015 Actuals									$0.00	$0.00	$0.00	$0.00
2015 Forecast	☐								$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2016 Actuals									$0.00	$0.00	$0.00	$0.00
2016 Forecast									$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2017 Actuals		$714,538.37	$588,506.78	$1,600,748.09	$511,519.19	$209,011.56	$604,211.24	$0.00	$0.00	$0.00	$0.00	$4,228,535.24
2017 Forecast		($247,316.15)	($501,895.02)	($89,117.15)	($38,369.03)	($45,504.82)	($704,348.05)	$0.00	$0.00	$0.00	$0.00	($1,626,550.21)
Amount Cleared												
2018 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2018 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2019 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2019 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
2020 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2020 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Amount Cleared												
Carrying Charges		$21,947.76	$4,068.59	$71,008.86	$22,226.23	$7,680.73	($4,703.93)	$0.00	$0.00	$0.00	$0.00	$122,228.25
Total LRAMVA Balance		**$489,170**	**$90,680**	**$1,582,640**	**$495,376**	**$171,187**	**-$104,841**	**$0**	**$0**	**$0**	**$0**	**$2,724,213**

Note: LDC to make note of assumptions included above, if any

Table 1-c. Breakdown of Incremental and Persisting Lost Revenues Amounts (Dollars)

LDCs are requested to clear the cells in the table to show only the amounts related to this LRAMVA application. This table is a check on the LRAMVA disposition providing a breakdown of actual incremental and persisting savings by year.

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
2011	$ -	$ -	$ -	$ -	$ -	$ -	$ 329,848.55	$ -	$ -	$ -	$ 329,848.55
2012		$ -	$ -	$ -	$ -	$ -	$ 306,092.01	$ -	$ -	$ -	$ 306,092.01
2013			$ -	$ -	$ -	$ -	$ 347,993.88	$ -	$ -	$ -	$ 347,993.88
2014				$ -	$ -	$ -	$ 463,944.12	$ -	$ -	$ -	$ 463,944.12
2015					$ -	$ -	$ 688,497.36	$ -	$ -	$ -	$ 688,497.36
2016						$ -	$ 654,809.03	$ -	$ -	$ -	$ 654,809.03
2017							$ 1,437,350.29	$ -	$ -	$ -	$ 1,437,350.29
2018								$ -	$ -	$ -	$ -
2019									$ -	$ -	$ -
2020										$ -	$ -
Actual Lost Revenues	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,228,535.24	$ -	$ -	$ -	$ 4,228,535.24
Forecast Lost Revenues	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,626,550.21	$ -	$ -	$ -	$ 1,626,550.21
Carrying Charges	$ -	$ -	$ -	$ -	$ -	$ -	$ 15,286.66	$ 63,748.63	$ 122,228.25	$ 122,228.25	$ 323,491.79
Total	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,617,271.69	$ 63,748.63	$ 122,228.25	$ 122,228.25	$ 2,925,476.81

Note: LDC to make note of assumptions included above, if any

Ontario Energy Board

LRAMVA Work Form: Summary of Changes

Version 2.0 (2017)

Legend	
	User Inputs (Green)
	Drop Down List (Blue)
	Instructions (Grey)

Table A-1. Changes in Assumptions from Generic Inputs in Work Form

Please document any changes in assumptions made to the work form that affect the calculation of LRAMVA. This may include, but are not limited to, the use of different monthly multipliers to claim demand savings from energy efficiency programs; use of different rate allocations between savings and adjustments; claiming historical savings persistence beyond a re-basing year; inclusion of additional adjustments affecting distribution rates; use of a different LRAMVA threshold; etc. All important changes should be highlighted in the work form as well.

No.	Tab	Cell Reference	Description	Rationale
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
etc.				

Table A-2. Updates to LRAMVA Disposition

LDCs are requested to document any changes related to interrogatories or questions during the application process that affect the LRAMVA amount.

No.	Tab	Cell Reference	Description	Rationale
1		Tab 8 Streetlight information	Tab 8 of detail streetlight project information has been updated	The rationale is to align with the OEB approach to calculate Streetlight related demand savings
2	5. 2015-2020 LRAM	Adjustments to 2017 Savings	Adjustment to 2017 savings were provided on the Participation and Cost Report to	Alectra has calculated the Adjustments to the 2017 savings in order to report and calculate LRAMVA re
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
etc.				

Ontario Energy Board

LRAMVA Work Form: Forecast Lost Revenues

Version 2.0 (2017)

Legend

User Inputs (Green)	
Drop Down List (Blue)	
Auto Populated Cells (White)	
Instructions (Grey)	

Table 2-a. LRAMVA Threshold — 2013

Please provide the LRAMVA threshold approved in the cost of service (COS) application, which is used as the comparator against actual savings in the period of the LRAMVA claim. The LRAMVA threshold should generally be consistent with the annualized savings targets developed from Appendix 2-I. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

	Total	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting	Unmetered Scattered Load							
		kWh	kWh	kW	kW	kW	kW	kWh							
kWh	119,146,362	35,842,920	39,519,293	6,718,613	7,166,687	8,983,655	20,915,195								
kW	111,837			19,284	16,135	15,417	61,001								
Summary		35,842,920	39,519,293	19,284	16,135	15,417	61,001	0	0	0	0	0	0	0	0

Basis of Threshold: 0.5* 201X + 20XX + 0.5 * 20XX (if available)

Source of Threshold: EB-2012-0033, P53

Table 2-b. LRAMVA Threshold — 2013

Please provide the LRAMVA threshold approved in the last COS application, which is used as the comparator against actual savings in the period of the LRAMVA claim. The LRAMVA threshold should generally be consistent with the annualized savings targets developed from Appendix 2-I. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

	Total	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting	Unmetered Scattered Load							
		kWh	kWh	kW	kW	kW	kW	kWh							
kWh	119,146,362	35,842,920	39,519,293	6,718,613	7,166,687	8,983,655	20,915,195								
kW	111,837			19,284	16,135	15,417	61,001								
Summary		35,842,920	39,519,293	19,284	16,135	15,417	61,001	0	0	0	0	0	0	0	0

Basis of Threshold: 0.5* 201X + 20XX + 0.5 * 20XX (if available)

Source of Threshold: EB-2012-0033, P53

Table 2-c. Inputs for LRAMVA Thresholds

Please complete Table 2-c below by selecting the appropriate LRAMVA threshold year in column C. The LRAMVA threshold values in Table 2-c will auto-populate from Tables 2-a and 2-b depending on the year selected. If there was no LRAMVA threshold established for a particular year, please select the "blank" option, although it is generally expected that 2 COS applications would have been approved during the 2011 to 2020 period. The LRAMVA threshold values in Table 2-c will be auto-populated in Tabs 4 and 5 of this work form.

Year	LRAMVA Threshold (select year)	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting	Unmetered Scattered Load							
		kWh	kWh	kW	kW	kW	kW	kWh							
2011		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	2013	35,842,920	39,519,293	19,284	16,135	15,417	61,001	0	0	0	0	0	0	0	0
2018		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2019		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020		0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: LDC to make note of assumptions included above, if any

Ontario Energy Board

LRAMVA Work Form: Distribution Rates

Version 2.0 (2017)

Legend

User Inputs (Green)
Auto Populated Cells (White)
Instructions (Grey)

Tables

Table 3
Table 3-a.

Table 3. Inputs for Distribution Rates and Adjustments by Rate Class

The rate classes in column B of Table 3 below are auto-populated from the customer class inputs in Table 1-a of the Summary Tab. Please provide the distribution rates by rate year and applicable adjustments per rate class starting from column D of Table 3 below. Any adjustments that affect distribution rates can be incorporated in the calculation by expanding the "plus" button at the left hand bar. Table 3 will convert the distribution rates to a calendar year rate (January to December) based on the number of months from January to the start of the LDC's rate year, entered in row 16 of Table 3 (referred to as period 1). If rates are already on a January 1 to December 31 timeline, please enter 0 in row 16.

	Billing Unit	EB-2009-0193; May 1, 2010 to April 30, 2011	EB-2010-0078; May 1, 2011 to April 30, 2012	EB-2011-0100; May 1, 2012 to January 31, 2013	EB-2012-0033; February 1, 2013 to December 31, 2013	EB-2013-0124; January 1, 2014 to December 31, 2014	EB-2014-0068; January 1, 2015 to December 31, 2015	EB-2015-0065; May 01 2016 to December 31, 2016	EB-2016-0002; January 1, 2017 to December 31, 2017	EB-2017-0024 May 01, 2018 to December 31, 2018	update	update	update
Rate Year		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Period 1 (# months)		*4*	*4*	*4*	*1*	*0*	*0*	*3*	*0*	*4*			
Period 2 (# months)		*8*	*8*	*8*	*11*	*12*	*12*	*9*	*12*	*8*	*12*	*12*	*12*
Residential									$ 0.0069				
Rate rider for tax sharing													
Rate rider for foregone revenue	kWh									$ -			
Changes in Transformer Allowance													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.0069	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 0.0069**	**$ 0.0023**	**$ -**	**$ -**	
GS<50 kW									$ 0.0127				
Rate rider for tax sharing													
Rate rider for foregone revenue	kWh												
Changes in Transformer Allowance													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.0127	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 0.0127**	**$ 0.0042**	**$ -**	**$ -**	
General Service 50 to 499 kW									$ 4.6213				
Rate rider for tax sharing													
Rate rider for foregone revenue	kW												
Changes in Transformer Allowance													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4.6213	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 4.6213**	**$ 1.5404**	**$ -**	**$ -**	
General Service 500 to 4,999 kW									$ 2.3780				
Rate rider for tax sharing													
Rate rider for foregone revenue	kW												
Changes in Transformer Allowance													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2.3780	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2.3780**	**$ 0.7927**	**$ -**	**$ -**	
Large Use									$ 2.9516				
Rate rider for tax sharing													
Rate rider for foregone revenue	kW												
Changes in Transformer Allowance													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2.9516	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2.9516**	**$ 0.9839**	**$ -**	**$ -**	
Street Lighting									$ 11.5465				
Rate rider for tax sharing													
Rate rider for foregone revenue	kW												
Changes in Transformer Allowance													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 11.5465	$ -	$ -	$ -	
Calendar year equivalent		**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 11.5465**	**$ 3.8488**	**$ -**	**$ -**	
Unmetered Scattered Load									$ 0.0164				
Rate rider for tax sharing													
Rate rider for foregone revenue	kWh												
Changes in Transformer Allowance													
Adjusted rate		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.0164	$ -	$ -	$ -	
Calendar year equivalent			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 0.0164**	**$ 0.0055**	**$ -**	**$ -**	

Note: LDC to make note of assumptions affecting the distribution rates above, if any

Table 3-a. Distribution Rates by Rate Class

Table 3-a below pulls the average distribution rates from Table 3 above. Please ensure that the distribution rates relevant to the years of the LRAMVA disposition are used by clearing the rates for year(s) that are not part of the LRAMVA claim. The distribution rates that remain in Table 3-a will be carried over to Tabs 4 and 5 of the work form to calculate lost revenues.

Year	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting	Unmetered Scattered Load							
	kWh	kWh	kW	kW	kW	kW	kWh							
2011	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2012	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2013	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2014	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2015	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2016	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2017	$0.0069	$0.0127	$4.6213	$2.3780	$2.9516	$11.5465	$0.0164	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2018	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2019	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2020	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000

Note: LDC to make note of assumptions affecting the distribution rates above, if any

ERZ-Staff-6

Reference: Exhibit 3, Tab 1, Schedule 9, Page 3
Reference: Exhibit 5, Attachment 28_ERZ Excel

Alectra Utilities states that "Enersource filed a basic Green Energy Plan (the "GEA plan") which was approved by the Board in Enersource's 2013 cost of service application proceeding (EB-2012-0003)…… Alectra Utilities is requesting the collection of renewable generation funding for the Enersource RZ of $160,560 or $13,380 per month from all provincial ratepayers, as shown in Attachment 28. Attachment 28 includes actuals up to 2018, and estimates for 2019 and 2020 Renewable Generation Connection funding amounts".

OEB staff notes from the Attachment 28 that the proposed $160,560 provincial rate payment is calculated as:

2020 forecasted RGCRP amount based on prior years investments + the True up variance for the years of 2010 to 2019

The true-up variance for the years of 2010 to 2019 is calculated as:

the RGCRP amounts calculated based on the actual renewable investments in the years of 2010 to 2018 + the updated estimated RGCRP amount in 2019 at the filing of the application – the approved RGCRP amount in the 2019 Price Cap application

Accounting Guidance issued in March 2015 for the Accounting Procedures Handbook, Q & A 10 states that

> **Distributors that have included eligible investments to connect qualifying facilities in their DS plans are to establish the variance Account 1533 Renewable Generation Connection Funding Adder Deferral Account, Sub-account Provincial Rate Protection Payment Variances following OEB approval for investments forecast to enter service beyond the test year for purposes of implementing rate protection pursuant to O.Reg. 330/09. The purpose of this variance account is to track the variance between the distributor's revenue requirement associated with the portion of the actual capital and/or operating costs that are eligible for rate protection, as incurred by the distributor for eligible renewable enabling and expansion investments, and the rate protection payments collected from the IESO.**

Questions:

a) Please confirm that the column Y in the first tab of the Attachment 28 represent a total of the approved RGCRP amounts in the years of 2010 to 2013.

b) Please confirm that the OEB staff's observation regarding Alectra Utilities' method of the calculation of the RGCRP amount for 2020.

c) Please explain why Alectra Utilities included the 2010-2019 true-up variance amount in the 2020 RGCRP funding that Alectra Utilities proposes to recover from the IESO. Does this method conform to the accounting guidance issued in March 2015 referenced above? If not, please update the calculation for the proposed 2020 RGCRP funding.

d) Alectra Utilities included $63,157 (cell AM26 in Attachment 28) in the calculation of 2020 provincial payment. It appears that the $63,157 includes the true-up variance from 2010 to 2017 which was included in Alectra Utilities' 2019 request for the RGCRP amount. Please confirm this observation. If confirmed, please provide explanation.

Response:

a) Alectra Utilities confirms that column Y in the first tab of the Attachment 28 represents the total of the approved RGCRP amounts in the years of 2010 to 2013.

b) The true-up variance is calculated as the RGCRP amounts calculated based on the actual renewable investments in the years of 2010 to 2018, plus the updated estimated RGCRP amount in 2019. These amounts are deducted from the approved RGCRP amounts from the 2013 through 2019 Rate Applications. The only difference in the OEB's formula is in reference to the period of time related to the approved RCGRP amounts.

c) Alectra Utilities' predecessor, Enersource, has relied on this methodology to true-up the difference between the actual revenue requirement, based on actual capital and operating costs that are eligible for rate protection, and the rate protection payments collected from the Independent Electricity System Operator ("IESO"). The OEB has approved Enersource's RGCRP funding amounts based on this methodology since its 2014 EDR Application. This approach closely aligns the funding request to Alectra Utilities' RGCRP revenue requirement for the Enersource RZ.

d) Alectra Utilities confirms that the $63,157 includes the true-up variance from 2010 to 2017 which was included in Alectra Utilities' 2019 request for the RGCRP amount of the Enersource RZ. Alectra Utilities calculates a true up for prior years to narrow the gap between what has been collected as the approved RGCRP amounts from previous years, with the revenue requirement associated with the actual capital and operating costs that are eligible for rate protection.

GRZ-Staff-1

Continuity Schedule – Account 1580 Wholesale Market Service Charge, Account 1580 Sub-account CBR Class B
Reference: Exhibit 5, Attachment 16 IRM Model for the GRZ, Tab 3

Questions:

a) As shown in column BW of the continuity schedule, there is a credit variance of $7,120 as of year-end 2018 in Account 1580 Sub-account CBR Class B between the amount reported in RRR and the amount reported in the continuity schedule. Please provide an explanation of this variance.

b) As noted in the continuity schedule, when inputting balances in the continuity schedule, Account 1580 RSVA - Wholesale Market Service Charge is to exclude any amounts relating to CBR. However, when reporting the balances in the RRR, Account 1580 RSVA - Wholesale Market Service Charge is to include balances in any amounts relating to CBR in the sub-accounts of Account 1580. Therefore, when comparing the balances in the control Account 1580 reported in the RRR and in the continuity schedule, there should be a variance in the amount of the balance in Account 1580 Sub-account CBR Class B. In column BW of the continuity schedule, there is a credit variance of $131,888 in the control Account 1580. Please provide an explanation of this variance.

Response:

a) The credit variance of $7,120 in Account 1580 Sub-account CBR Class B as of year-end 2018 represents the transfer of 2017 CBR Class B to 1580 Control Account for rate rider recovery/disposition. Please also refer to Alectra Utilities response to GRZ-Staff-6 a).

b) The credit variance of $131,888 in the control Account 1580 of the Continuity Schedule for GRZ is comprised of: i) ($69,504) - Principal Adjustment for accrual of 2018 RGCRP; ii) ($69,504) - Principal Adjustment for accrual of 2017 RGCRP and; iii) $ 7,120 - Interest Adjustment representing the transfer of 2017 CBR Class B to 1580 Control Account for rate rider recovery/disposition.

GRZ-Staff-2

Continuity Schedule – Account 1595 (2017)
Reference: Exhibit 5, Attachment 16 IRM Model for the GRZ, Tab 3

Alectra Utilities entered a debit principal transaction amount of $84,444 in Account 1595 (2017) in 2018. According to the Decision and Rate Order issued for Guelph Hydro's 2017 rates, [1] the DVA and GA rate riders approved for 2017 expired on December 31, 2017.

Questions:

a) Please provide an explanation for the principal transaction amount of $84,444 and explain how it was calculated.

b) Column BW shows a credit variance amount of $97,339 in Account 1595 (2017) between RRR filing and the continuity schedule. Please provide an explanation of this variance.

Response:

a) The principal transaction amount of $84,444 is the actual rate rider billed dollars credited to customers, for 2017 consumption, in the 2018 period, less the unbilled rate rider estimates initially accrued for the December 31, 2017 period. This is calculated as:

Table 1 – Account 1595 (2017) principal transactions in 2018

Description	Amount
Rate rider credits issued during 2018 relating to 2017 billed consumption	$475,155
Rate rider UBR estimate as of December 31, 2017	($390,711)
Residual Rate rider dollars credited to customers above UBR estimate	$84,444

b) The credit variance amount of $97,339 in Account 1595 (2017) between RRR filing and the continuity schedule was the result of an input error in continuity schedule as filed. The 1595 (2017) balance has been corrected to ($270,644) in column BV to reflect the 2.1.7 RRR balance filed via RESS on April 24, 2019 in the updated IRM rate generator model filed in response to G-Staff-1. With this correction no variance exists between the continuity account balance for Account 1595 (2017) and the 2.1.7 RRR balance as filed.

[1] Decision and Rate Order, EB-2016-0075, issued December 8, 2016

GRZ-Staff-3

Continuity Schedule – Account 1595 (2018)
Reference: Exhibit 5, Attachment 16 IRM Model for the GRZ, Tab 3

Questions:

a) Column BW shows a debit variance amount of $34,568 in Account 1595 (2018) between RRR filing and the continuity schedule. Please provide an explanation of this variance.

Response:

a) The debit variance amount of $34,568 in Account 1595 (2018) between RRR filing and the continuity schedule was the result of an input error in continuity schedule as filed. The 1595 (2018) balance has been corrected to $69,762 in column BV to reflect the 2.1.7 RRR balance filed via RESS on April 24, 2019 in the updated IRM rate generator model filed in response to G-Staff-1. With this correction a variance of $318 exists between the continuity account balance for Account 1595 (2018) and the 2.1.7. RRR balance as filed, and is due to grouping of residual Account 1595 (2014) balance with Account 1595 (2018) for 2.1.7 RRR filing, Group 1 account reporting. The balance of $318 will be written off in 2019.

GRZ-Staff-4

GA Allocation to Class A/B Transition Customers
Reference: Exhibit 5, Attachment 16 IRM Model for the GRZ, Tab 6.1a

As noted in the application, Alectra Utilities has computed the per kWh disposition for the GRZ to be a credit of $0.0007/kWh, which is below the pre-set disposition threshold. Alectra Utilities does not request disposition of its Group 1 account balances for the GRZ. In tab 6.1a of the IRM model that Alectra Utilities filed for the GRZ, the customer-specific monthly equal payments have been calculated.

Questions:

a) Please confirm that Alectra Utilities does not request to allocate these GA amounts to the Class A/B transition customers in the GRZ when it does not request disposition of the Group 1 accounts.

Response:

a) Alectra Utilities confirms that for each of its rate zones that did not meet the pre-set disposition threshold, and where it has not requested disposition of its Group 1 account balances, it also does not request disposition of the Global Adjustment ("GA") amounts to the Class A/B transition customers.

Alectra Utilities has updated the 2020 IRM Rate Generator Model ("RGM") for the Guelph RZ in response to interrogatories. As identified in response to GRZ-Staff-5 d), the Guelph RZ now meets the pre-set disposition threshold. Alectra Utilities is requesting disposition of the Group 1 balances for the Guelph RZ. The updated IRM RGM is filed in response to G-Staff-1.

GRZ-Staff-5

Reference 1: IRM Rate Generator Model GRZ Tab 3 DVA Continuity Schedule
Reference 2: GRZ - 2018 GA Analysis Workform

Questions:

The 2018 GA Analysis Workform for GRZ contains a series of reconciling items in Note 5. Please provide additional details for the following:

a) **Item 1b: Please explain, in detail, how this figure was calculated (Note: Alectra Utilities may refer to the response for interrogatory HRZ-Staff-28-b, BRZ-Staff-41-b, or ERZ-Staff-76-b from EB-2018-0016 for the detail OEB staff is seeking).**

b) **Items 6 and 9: Please provide an analysis that shows how the RPP and Non-RPP amounts for differences in the IESO posted versus billed rate is calculated (Note: Alectra Utilities may refer to Table 1 filed by the former Guelph Hydro in EB-2018-0036 on November 13, 2018 in response to supplementary interrogatories by OEB Staff).**

c) **Item 8: OEB staff notes that the debit amount of $414,493 was recognized as a reconciling item in the 2017 GA Analysis Workform for the former Guelph Hydro in EB-2018-0036. A debit amount of $414,493 was also recorded as a principal adjustment to Account 1589 in 2017. Please explain why this adjustment is not a credit (reversing entry), as the adjustment in 2017 was recorded as a debit entry. If this should be a credit entry, please update the GRZ 2018 GA Analysis Workform and the DVA continuity schedule.**

d) **If Alectra Utilities makes the adjustment in part c) above to the DVA continuity schedule, OEB staff notes that the disposition threshold would be met. If this adjustment is made, and in the absence of any other adjustments to be made that keep the amounts below the disposition threshold, does Alectra Utilities intend to request disposition of the Group 1 accounts for GRZ? If not, please explain why not.**

e) **Item 10: A debit amount for $195,290 is described as the December 2017 UBR: Difference between calculated at GA first estimate vs GA Weighted average rate. Please explain the nature of this adjustment and differentiate it between the debit adjustment of $37,942 (RPP accounts with retailer contracts) in EB-2018-0036—item 10 in the 2017 GA Analysis Workform. Please explain why the adjustment in 2018 (if this is for the same purpose) is not the reverse (credit) of the $37,942 adjustment from the 2017 GRZ GA Analysis Workform.**

f) Item 11: A debit amount for $194,533 is described as the December 2018 UBR: Difference between calculated at GA first estimate vs GA Weighted average rate. Please explain the nature of this adjustment, why it is required, and provide an analysis for how this figure was calculated.

g) Item 12: A debit amount for $689,910 is described as recorded as "The billing cycle is not on a calendar month for most customers; our billing system uses a weighted average daily rate for applying GA to bills". Please provide further explanation of the nature of this adjustment, why it is required, and provide an analysis for how this figure was calculated.

Response:

a) The calculation of Reconciling Item 1b (current year RPP GA true-up) that was booked in 2019 in the amount of $220,196 is provided in Table 1 below.

Table 1 – December 2018 RPP Settlement GA True-up

Submission	kWh	GA Rate	GA Settlement
	A	B	C = A x B
Initial December 2018 Claim filed in December RPP settlement	36,698,003.36	$0.07067	$2,593,448
Actual RPP amount for December 2018	32,053,644.40	$0.07404	$2,373,252
GA True-up (Payment From)/ Payment to IESO			**$220,196**

At December 2018 year end, Alectra Utilities' predecessor, Guelph Hydro, estimated the GA cost to be $2,593,478 based on estimated RPP kWh and December 2018 2nd estimate GA rate available at the time. In 2019 when actual information became available, Guelph Hydro prepared the true-up calculation presented in Table 1. The Actual GA cost for December 2018 was $2,373,252, which was $220,196 lower than the estimated GA cost.

b) The full analysis of Reconciling Items 6 and 9 (RPP and Non-RPP allocations of IESO invoice adjustments for CT 148) is provided in Tab "IESO Invoice Adjustment 2018" of the updated GA Workform filed as GRZ-Staff-5_Attach 1_GA Workform GRZ.

Alectra Utilities calculated the monthly allocations of the IESO invoice adjustments to charge type CT 148 using the 2018 RPP (including Loss Factor) Billed Consumption adjusted for Unbilled kWhs as presented in Tables 2 and 3 below:

Table 2 - Calculation of RPP and Non-RPP Allocations of the IESO invoice adjustments (CT 148 – Global Adjustment Class B)

Month	AQEW	EG	Class A	Loads pertaining to Class B (CT148)	IESO Actual GA Rate on website	Expected GA Charges Class B CT148 $ (Calculated)	CT 148 $ per IESO Invoice	Difference	RPP (Including Loss Factor) Billed Consumption adjusted for Unbilled	Estimated RPP Proportion	Adjustments pertaining to RPP	Adjustments pertaining to non-RPP Class B
	kWh	kWh	kWh	kWh	$/kWh	$	$	$	kWh	%	$	$
	A	B	C	D=A+B-C	E	F=D X E	G	H = G - F	I	J = I / D	K = H x J	L = H - K
Remove December 2017 true-up that was billed in Jan 2018 STPP				1,298.00	0.09207			$ 119.51		55.86%	$ 66.76	$ 52.75
Jan-18	153,174,399.00	312,678.00	66,331,214.00	87,155,863.00	0.06736	$5,870,818.93	$5,874,062.25	$ 3,243.32	59,479,867	68.25%	$ 2,213.42	$ 1,029.90
Feb-18	135,367,812.00	498,015.00	60,968,600.00	74,897,227.00	0.08167	$6,116,856.53	$6,116,846.23	$ (10.30)	34,772,038	46.43%	$ (4.78)	$ (5.52)
Mar-18	144,464,660.00	653,373.00	66,794,577.00	78,323,456.00	0.09481	$7,425,846.86	$7,425,580.09	$ (266.77)	56,277,815	71.85%	$ (191.68)	$ (75.09)
Apr-18	134,188,611.00	1,499,462.00	62,639,604.00	73,048,469.00	0.09959	$7,274,897.03	$7,275,137.71	$ 240.68	31,109,314	42.59%	$ 102.50	$ 138.18
May-18	137,785,234.00	1,508,625.00	67,783,509.00	71,510,350.00	0.10793	$7,718,112.08	$7,718,103.18	$ (8.90)	52,134,567	72.90%	$ (6.49)	$ (2.41)
Jun-18	137,868,336.00	2,049,470.00	65,117,341.00	74,800,465.00	0.11896	$8,898,263.32	$8,551,014.12	$ (347,249.20)	37,208,404	49.74%	$ (172,734.06)	$ (174,515.13)
Jul-18	149,344,885.00	2,018,554.00	67,353,899.00	84,009,540.00	0.07737	$6,499,818.11	$6,502,480.29	$ 2,662.18	51,534,018	61.34%	$ 1,633.06	$ 1,029.12
Aug-18	154,043,197.00	2,093,400.00	72,821,424.00	83,315,173.00	0.07490	$6,240,306.46	$6,240,218.42	$ (88.04)	55,783,904	66.96%	$ (58.95)	$ (29.09)
Sep-18	142,504,368.00	1,699,198.00	69,615,152.00	74,588,414.00	0.08584	$6,402,669.46	$6,403,046.90	$ 377.44	35,714,338	47.88%	$ 180.73	$ 196.72
Oct-18	140,456,587.00	1,303,877.00	70,952,016.00	70,808,448.00	0.12059	$8,538,790.74	$8,538,470.32	$ (320.42)	53,034,109	74.90%	$ (239.99)	$ (80.43)
Nov-18	141,345,545.00	783,671.00	67,335,327.00	74,793,889.00	0.09855	$7,370,937.76	$7,110,057.31	$ (260,880.45)	44,833,846	59.94%	$ (156,380.08)	$ (104,500.38)
Dec-18	136,642,286.00	251,938.00	59,374,290.00	77,519,934.00	0.07404	$5,739,575.91	$5,987,091.02	$ 247,515.11	32,053,644	41.35%	$ 102,344.79	$ 145,170.32
December true-up				-	0.07404			$ -			$ -	$ -
Total	**1,707,185,920.00**	**14,672,261.00**	**797,086,953.00**	**924,771,228.00**		**$84,096,893.19**	**$83,742,107.84**	**$ (354,665.84)**	**543,935,865.66**		**$ (223,074.78)**	**$ (131,591.06)**

Table 3 - Summary of the IESO invoice adjustments allocations

Alectra's proposal to allocate the IESO adjustments between RPP and non-RPP	**$**	**(354,665.84)**
Estimated RPP Proportion	**$**	**(223,074.78)**
Estimated non-RPP Proportion	**$**	**(131,591.06)**

c) As stated in Alectra Utilities' predecessor, Guelph Hydro's, 2019 Decision and Rate Order (EB-2018-0036), Guelph Hydro specified it would return the amount of $414,493 to the IESO through an RPP Settlement true-up. Guelph Hydro filed the $414,493 payment to the IESO for the RPP portion of 2017 CT 148 adjustments in its December 2018 IESO Settlement submission. Since this amount pertains to 2017 but is captured in the 2018 Account 1589 transactions as a debit, it should be removed (credited) from Guelph Hydro's 2018 balance. Alectra Utilities has updated the 2018 Continuity Schedule in the IRM Rate Generator Model for the Guelph RZ to credit $414,493 in cell BF29 and the GA Analysis Workform to credit $414,493 in cell C80.

In its GA Analysis Workform presented and approved in the 2019IRM application (EB-201-0036), Guelph Hydro had the reconciliation item 6 in amount of ($819,662) for the 2017 IESO adjustments pertaining to non-RPP. This amount shall also be reversed to a debit of $819,662 in the GA Analysis Workform. GRZ added the amount in the GA Analysis Workform as reconciliation item 13. GRZ did not added this amount as an adjustment in the 2018 Continuity Schedule because it was not an adjustment in the 2017 Continuity Schedule presented and approved in its 2019IRM application.

During the interrogatory response preparation, GRZ recognized another relevant item, noted as reconciling Item 14, in Note 5 of the GRZ-Staff-5_Attach 1_GA Workform GRZ, "2018 Analysis" tab.
In July 2018, GRZ corrected the query for UBR, reconciled kWhs for GA true-up for 2017 and January to May 2018 and filed the reconciliation as part of June 2018 RPP settlement; the result was that the amount of $113,562 pertaining to 2017 RPP GA true-up was debited to 1589. GRZ added this amount as a credit to the list of reconciling items in GA Analysis Worform cell C85, and updated the GRZ 2018 Continuity Schedule to credit $113,562 in cell BF29.

As result of these two changes, the unresolved difference as % of expected GA payments to IESO changed from 0.15% to -0.20% in the GA Analysis Workform.

d) Alectra Utilities has updated the 2018 Continuity Schedule for the Guelph RZ to capture the adjustments listed above, in the principal adjustments in 2018 column (cell BF29). As a result of this change, the disposition test threshold has been exceeded. Alectra Utilities requests the disposition of Group 1 accounts for the Guelph RZ.

e) The analysis of Reconciling Item 10 (December 2017 UBR: Difference between calculated at GA first estimate vs GA Weighted average rate) is presented in Table 5 of Tab "GA Detailed Analysis" in the GA Analysis Workform.

This adjustment is the difference between the December 2017 unbilled revenue (UBR) calculated at 1st estimate GA rate (as per GA Analysis workform) and the UBR at weighted average GA rate and captured in 1589 balance – please see the response to GRZ-Staff-5 g) which explains the weighted average GA rate calculation based on Net System Load. The reconciling item of $37,942 (RPP accounts with retailer contracts) presented in EB-2018-0036 as item 10 in the 2017 GA Analysis Workform was the difference between UBR calculated for accounts with retailer based on historical weighted average GA rate versus 1st estimate GA rate. This reconciling item was for a different purpose and it was not captured as an adjustment in 2017 balance; therefore, there is no reason to reverse the $37,942 amount in 2018.

f) The analysis of Reconciling Item 11 (December 2018 UBR: Difference between calculated at GA first estimate vs GA Weighted average rate) is presented in Table 5 of Tab "GA Detailed Analysis" in the GA Analysis Workform.

This adjustment is the difference between the December 2018 unbilled revenue (UBR) calculated at 1st estimate GA rate (as per GA Analysis workform) and the UBR at weighted average GA rate and captured in 1589 balance – please see the response to GRZ-Staff – 5 g) which explains the weighted average GA rate calculation based on Net System Load.

g) The analysis of Reconciling Item 12 (The billing cycle is not on a calendar month for most customers; our billing system uses a weighted average daily rate for applying GA to bills) is presented in cells Q12:U28 of Tab "GA Detailed Analysis" in the GA Analysis Workform.

Guelph Hydro does not bill most of its customers on a calendar month basis. For those customers with billing cycles bridging two calendar months, the CIS system bills a weighted average GA 1st Estimate rate. This analysis is presented in Tab "GA Detailed Analysis" columns Q to T with column U demonstrating the monthly average GA rate billed to customers in 2018. Based on this analysis, the GA Analysis model expectation (cell K27) is greater than the GA amount Guelph Hydro collected (cell Q27) by $687,910 (cell Q28).

Below is table that demonstrates how Guelph Hydro's billing system illustrating how the billing system calculates the weighted average GA rate from the billing period of October 15, 2018 to November 15, 2018.

Table 4 - Billing System Calculation of the Weighted Average GA Rate

	Period	Amounts
A	Cumulative cost from 11/15/2018	$472,684,452
B	Cumulative cost from 10/15/2019	$465,984,312
C	Cumulative consumption from 11/15/2018 (kWh)	10,512,964,537
D	Cumulative consumption from 10/15/2019 (kWh)	10,449,545,000
(A-B)/(C-D)	**Weighted Average GA Rate**	**$0.1056**

In accordance with O. Reg. 429/04 – Adjustments under section 25.33 of the Electricity Act, 1998 Section 16 (4) 2 , quoted below.

"*2. For each Class B consumer whose electricity use is not measured by an interval meter and who is neither a regulated consumer nor a consumer who has a contract with a retailer who uses retailer-consolidated billing, the licensed distributor shall,*

*i. determine a **weighted average rate** applicable to the consumer's billing period, based on the specified Class B rate for each month in the billing period and the hourly **net system load shape determined** in accordance with the Retail Settlement Code for each month in the billing period,*

ii. multiply the weighted average rate determined under subparagraph i by the volume of electricity that was distributed to the Class B consumer during the billing period, and

iii. adjust the invoice that the licensed distributor issues to the Class B consumer for the billing period by giving a credit for the amount determined under subparagraph ii if the

amount is negative or by adding the amount determined under subparagraph ii as an additional charge if the amount is positive."

Therefore, the GA charge is not calculated based on customer consumption prorated based on the number of days pertaining to each month multiplied by the corresponding first estimate GA rate; the GA charge is calculated based on Net System Load Shape (NSLS). Alectra Utilities presented below an example of prorated consumption based on the number of days at the corresponding first estimate GA rate versus the GA charge calculated based on NSLS:

Table 5 - Comparison GA charge calculated based on prorating customer consumption versus NSLS

Consumption [kWh]	Billing dates	Days in the month	First Estimate GA rate	GA Charge prorated per number of days	GA average rate calculated based on customer consumption proration	GA weighted average rate calculated based on NSLS	GA billed to customer based on weighted average GA rate	Difference Billed versus Prorated charges
A			B	C = A x B	D = C / A	E = Table 4	F = A x E	F - C
60,000.00	15-Oct-18	16	$0.08921	$2,762.63				
	15-Nov-18	15	$0.12235	$3,552.10				
	31	**31**		**$6,314.73**	**$0.10525**	**$0.10560**	**$6,336.00**	**$21.27**

GRZ-STAFF-5
ATTACHMENT 1 – GA WORKFORM GRZ

Ontario Energy Board

GA Analysis Workform

Account 1589 Global Adjustment (GA) Analysis Workform

Input cells	
Drop down cells	

Note 1 **Year(s) Requested for Disposition** **2018**

Note 2 **Consumption Data Excluding for Loss Factor (Data to agree with RRR as applicable)**

Year		**2018**		
Total Metered excluding WMP	C = A+B	1,671,900,470	kWh	100%
RPP	A	532,946,022	kWh	31.9%
Non RPP	B = D+E	1,138,954,449	kWh	68.1%
Non-RPP Class A	D	779,216,990	kWh	46.6%
Non-RPP Class B*	E	359,737,459	kWh	21.5%

*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

Note 3 **GA Billing Rate**

GA is billed on the 1st Estimate

GA Billing Rate Description

Guelph RZ bills customers based on the GA first estimate, and the IESO charges GA based on actual GA rates. Guelph RZ applies GA first estimate on all billing and unbilled revenue transactions for non-RPP Class B customers in each customer class.

Note 4 **Analysis of Expected GA Amount**

Year	**2018**								
Calendar Month	**Non-RPP Class B Including Loss Factor Billed Consumption (kWh)**	**Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)**	**Add Current Month Unbilled Loss Adjusted Consumption (kWh)**	**Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)**	**GA Rate Billed ($/kWh)**	**$ Consumption at GA Rate Billed**	**GA Actual Rate Paid ($/kWh)**	**$ Consumption at Actual Rate Paid**	**Expected GA Variance ($)**
	F	**G**	**H**	**I = F-G+H**	**J**	**K = I*J**	**L**	**M = I*L**	**=M-K**
January	33,367,896	33,115,105	23,548,237	23,801,029	0.08777	$ 2,089,016	0.06736	$ 1,603,237	-$ 485,779
February	33,760,540	23,548,237	21,111,720	31,324,023	0.07333	$ 2,296,991	0.08167	$ 2,558,233	$ 261,242
March	33,077,199	21,111,720	24,388,102	36,353,581	0.07877	$ 2,863,572	0.09481	$ 3,446,683	$ 583,111
April	31,382,198	24,388,102	22,181,728	29,175,824	0.09810	$ 2,862,148	0.09959	$ 2,905,620	$ 43,472
May	36,708,619	22,181,728	23,209,095	37,735,986	0.09392	$ 3,544,164	0.10793	$ 4,072,845	$ 528,681
June	31,525,927	23,209,095	22,196,010	30,512,842	0.13336	$ 4,069,193	0.11896	$ 3,629,808	-$ 439,385
July	31,394,699	22,196,010	23,162,790	32,361,479	0.08502	$ 2,751,373	0.07737	$ 2,503,808	-$ 247,565
August	33,669,953	23,162,790	21,464,531	31,971,694	0.07790	$ 2,490,595	0.07490	$ 2,394,680	-$ 95,915
September	27,061,113	21,464,531	19,789,981	25,386,563	0.08424	$ 2,138,564	0.08584	$ 2,179,183	$ 40,619
October	31,394,962	19,789,981	21,082,926	32,687,907	0.08921	$ 2,916,088	0.12059	$ 3,941,835	$ 1,025,747
November	27,030,332	21,082,926	24,055,452	30,002,858	0.12235	$ 3,670,850	0.09855	$ 2,956,782	-$ 714,068
December	28,815,169	24,055,452	26,920,932	31,680,650	0.09198	$ 2,913,986	0.07404	$ 2,345,635	-$ 568,351
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	**379,188,607**	**279,305,674**	**273,111,502**	**372,994,435**		**$ 34,606,539**		**$ 34,538,348**	**-$ 68,191**

Calculated Loss Factor **1.0369**

Note 5 **Reconciling Items**

	Item	Amount	Explanation
	Net Change in Principal Balance in the GL (i.e. Transactions in the Year)	-$ 2,229,900	
1a	True-up of GA Charges based on Actual Non-RPP Volumes - prior year	$ 145,888	GA RPP true-up was done monthly and Dec 2017 true-up (payment from IESO) was included in the 1589 balance disposed in 2019 IRM (see Tab "Rec Item 1a&b - GA Trueup") $145,888 payment from
1b	True-up of GA Charges based on Actual Non-RPP Volumes - current year	$ 220,196	GA RPP true-up was done monthly and Dec 2018 was not included in the 1589 balance (see Tab "Rec Item 1a&b - GA Trueup") $220,196 payment to IESO.
2a	Remove prior year end unbilled to actual revenue differences		
2b	Add current year end unbilled to actual revenue differences		
3a	Remove difference between prior year accrual/forecast to actual from long term load transfers		
3b	Add difference between current year accrual/forecast to actual from long term load transfers		
4	Remove GA balances pertaining to Class A customers		
5	Significant prior period billing adjustments recorded in current year		
6	Differences in GA IESO posted rate and rate charged on IESO invoice	$ 131,591	2018 IESO adjustments pertaining to non-RPP -Tab IESO Invoice Adjustments 2018, cell H27
7	Differences in actual system losses and billed TLFs		
8	Differences in GA IESO posted rate and rate charged on IESO invoice	-$ 414,493	GRZ 2019 IRM (EB-2018-0036) 2017 IESO adjustments pertaining to RPP booked as a debit in 1589 on December 2018 - Please see file Guelph_IESO Invoice Adjustments Analysis, Tab IESO Invoice Adjustments 2017, Table 4, cell H25;
9	Differences in GA IESO posted rate and rate charged on IESO invoice	$ 223,075	2018 IESO adjustments pertaining to RPP - Please see Tab IESO Invoice Adjustments 2018, Table 4, cell H26;
10	Difference between UBR calculated at GA first estimate rate vs. GA weighted average rate	$ 195,290	December 2017 UBR: Difference between UBR calculated at GA first estimate rate vs. GA weighted average rate - please see Tab. GA Detailed Analysis, Table 5
11	Difference between UBR calculated at GA first estimate rate vs. GA weighted average rate	$ 194,533	December 2018 UBR:Difference between UBR calculated at GA first estimate rate vs. GA weighted average rate - please see Tab. GA Detailed Analysis, Table 5
12	The billing cycle is not on a calendar month	$ 687,910	The billing cycle is not on a calendar month for most customers; our billing system uses a weighted average daily rate for applying Global Adjustment to bills
13	Differences in GA IESO posted rate and rate charged on IESO invoice	$ 819,662	GRZ 2019 IRM (EB-2018-0036) 2017 IESO adjustments pertaining to non-RPP - Please see file Guelph_IESO Invoice Adjustments Analysis, Tab IESO Invoice Adjustments 2017, Table 4, cell H26
14	Correction to UBR for RPP consumption	-$ 113,562	GRZ corrected the query for UBR and reconciled kWhs for GA true-up for 2017 and Jan. to May 2018; the result was that the amount of $113,562 pertaining to 2017 RPP GA true-up was debited to 1589.
Note 6	**Adjusted Net Change in Principal Balance in the GL**	-$ 139,811	
	Net Change in Expected GA Balance in the Year Per Analysis	-$ 68,191	
	Unresolved Difference	-$ 71,620	
	Unresolved Difference as % of Expected GA Payments to IESO	-0.2%	

GA true-up

Based on CIS Billed Revenue Query

2017	Kwh submitted	Actual UBR Billed (latter half of load month) kWh	kWh Actual (accrued for UBR)	Estimated GA Rate	Actual GA Rate	Settled Amount including initial true up	Actual Billed (load month) GA Amount	Actual True-Up [$] based on Actual UBR minus estimated UBR	
January	46,009,323.42	26,251,504.24	50,996,363.80	$0.08677	$0.08227	$3,785,187.04	$4,195,470.85	$410,283.81	Payment from IESO
February	41,951,279.31	22,367,555.52	38,067,330.59	$0.08430	$0.08639	$3,624,171.02	$3,288,636.69	-$335,534.33	payment to IESO
March	50,191,187.59	19,720,330.32	47,543,962.39	$0.06886	$0.07135	$3,581,141.23	$3,392,261.72	-$188,879.52	payment to IESO
April	35,981,326.34	23,978,743.39	40,239,739.41	$0.10218	$0.10778	$3,878,067.35	$4,337,039.11	$458,971.76	Payment from IESO
May	42,862,231.72	17,285,944.31	36,169,432.64	$0.12776	$0.12307	$5,275,054.86	$4,451,372.08	-$823,682.78	payment to IESO
June	34,873,658.48	23,428,339.59	41,016,053.76	$0.12563	$0.11848	$4,131,831.06	$4,859,582.05	$727,750.99	Payment from IESO
July	42,291,201.66	24,789,047.84	43,651,909.91	$0.10197	$0.11280	$4,770,447.55	$4,923,935.44	$153,487.89	Payment from IESO
August	46,053,694.59	20,170,905.13	41,435,551.88	$0.10476	$0.10109	$4,655,567.99	$4,188,719.94	-$466,848.05	payment to IESO
September	40,314,060.14	25,962,448.68	46,105,603.69	$0.09895	$0.08864	$3,573,438.29	$4,086,800.71	$513,362.42	Payment from IESO
October	41,825,474.41	23,337,393.08	39,200,418.81	$0.11973	$0.12563	$5,254,534.35	$4,924,748.62	-$329,785.74	payment to IESO
November	39,696,378.06	21,264,463.86	37,623,448.84	$0.09669	$0.09704	$3,852,136.53	$3,650,979.48	-$201,157.05	payment to IESO
December	41,999,774.21	25,847,467.62	46,582,777.97	$0.09669	$0.09207	$4,060,958.17	$4,288,876.37	$227,918.20	Payment from IESO
Total	**504,049,589.93**	**274,404,143.58**	**508,632,593.69**			$50,442,535.43	$50,588,423.04	$145,887.61	

2018	Kwh submitted	Actual UBR Billed (latter half of load month) kWh	kWh Actual (accrued for UBR)	Estimated GA Rate	Actual GA Rate	Settled-to-date Amount	Actual Billed (load month) GA Amount	Actual True-Up [$] based on Actual UBR minus estimated UBR	
January	56,569,523.43	30,429,369.42	59,479,867.35	$ 0.06370	$ 0.06736	$3,603,478.64	$4,006,563.86	$403,085.22	Payment from IESO
February	40,556,702.60	24,644,704.53	34,772,037.71	$ 0.07705	$ 0.08167	$3,124,893.94	$2,839,832.32	-$285,061.62	Payment to IESO
March	53,934,499.25	26,988,020.20	56,277,814.92	$ 0.08595	$ 0.09481	$4,635,670.21	$5,335,699.63	$700,029.42	Payment from IESO
April	35,163,117.45	22,934,217.22	31,109,314.47	$ 0.10074	$ 0.09959	$3,542,332.45	$3,098,176.63	-$444,155.82	Payment to IESO
May	50,874,921.53	24,193,863.06	52,134,567.37	$ 0.13199	$ 0.10793	$6,714,980.89	$5,626,883.86	-$1,088,097.04	Payment to IESO
June	38,291,731.07	23,110,535.50	37,208,403.51	$ 0.10239	$ 0.11896	$3,920,690.34	$4,426,311.68	$505,621.34	Payment from IESO
July	47,240,242.68	27,404,310.54	51,534,017.72	$ 0.08123	$ 0.07737	$3,837,324.91	$3,987,186.95	$149,862.04	Payment from IESO
August	53,137,660.06	30,050,554.59	55,783,904.11	$ 0.07324	$ 0.07490	$3,891,802.22	$4,178,214.42	$286,412.20	Payment from IESO
September	40,416,553.20	25,348,339.88	35,714,338.49	$ 0.08660	$ 0.08584	$3,500,073.51	$3,065,718.82	-$434,354.69	Payment to IESO
October	53,737,551.37	24,644,897.89	53,034,109.38	$ 0.11998	$ 0.12059	$6,447,431.41	$6,395,383.25	-$52,048.16	Payment to IESO
November	39,457,654.88	30,021,089.24	44,833,846.23	$ 0.10540	$ 0.09855	$4,158,836.82	$4,418,375.55	$259,538.72	Payment from IESO
December	36,698,003.36	25,376,730.28	32,053,644.40	$ 0.07067	$ 0.07404	$2,593,447.90	$2,373,251.83	-$220,196.07	Payment to IESO

2018 Global Adjustment Analysis

Input cells

Allocation Method for Class B RSVA-Global Adjustment.					
Total Metered excluding WMP	C = A+B	1,671,900,470	kWh	100%	remove wmp
RPP	A	532,946,022	kWh	31.9%	
Non RPP	B = D+E	1,138,954,449	kWh	68.1%	remove WMP
Non-RPP Class A	D	779,216,990	kWh	46.6%	
Non-RPP Class B*	E	359,737,459	kWh	21.5%	

Class B (Non RPP and Non Class A) RSVA GA Analysis - Allocation Method

	Billed Class B Non-RPP Spot kWh *	Actual Month Unbilled kWh	Previous Month Unbilled kWh	UBR trued-up kWh	kWh True-up	UBR true-up $	First Estimate GA Rate $/kWh	Actual GA Rate $/kWh	Retail - Final $/kWh	Class B Non-RPP @ 1st Estimate GA	Class B Non-RPP @ Actual GA	Est. Variance Retail less Final
	A - Done	B- Done	C - Done	D=B-C - Done	E=A+B-C - Done	F - Done	G - Done	H - Done	I=G-H - Done	J=E x G	K=E x H	L=K-J
Dec-17												
Jan-18	33,367,896	23,548,237	33,115,105	(9,566,868)	23,801,029	($711,860)	$0.08777	$0.06736	$0.02041	$2,089,016	$1,603,237	($485,779)
Feb-18	33,760,540	21,111,720	23,548,237	(2,436,517)	31,324,023	($518,706)	$0.07333	$0.08167	($0.00834)	$2,296,991	$2,558,233	$261,242
Mar-18	33,077,199	24,388,102	21,111,720	3,276,382	36,353,581	$372,928	$0.07877	$0.09481	($0.01604)	$2,863,572	$3,446,683	$583,111
Apr-18	31,382,198	22,181,728	24,388,102	(2,206,374)	29,175,824	$254,977	$0.09810	$0.09959	($0.00149)	$2,862,148	$2,905,620	$43,472
May-18	36,708,619	23,209,095	22,181,728	1,027,367	37,735,986	$3,771	$0.09392	$0.10793	($0.01401)	$3,544,164	$4,072,845	$528,681
Jun-18	31,525,927	22,196,010	23,209,095	(1,013,085)	30,512,842	$780,262	$0.13336	$0.11896	$0.01440	$4,069,193	$3,629,808	($439,385)
Jul-18	31,394,699	23,162,790	22,196,010	966,780	32,361,479	($990,759)	$0.08502	$0.07737	$0.00765	$2,751,373	$2,503,808	($247,565)
Aug-18	33,669,953	21,464,531	23,162,790	(1,698,259)	31,971,694	($297,213)	$0.07790	$0.07490	$0.00300	$2,490,595	$2,394,680	($95,915)
Sep-18	27,061,113	19,789,981	21,464,531	(1,674,550)	25,386,563	($4,979)	$0.08424	$0.08584	($0.00160)	$2,138,564	$2,179,183	$40,619
Oct-18	31,394,962	21,082,926	19,789,981	1,292,945	32,687,907	$213,700	$0.08921	$0.12059	($0.03138)	$2,916,088	$3,941,835	$1,025,747
Nov-18	27,030,332	24,055,452	21,082,926	2,972,526	30,002,858	$1,062,377	$0.12235	$0.09855	$0.02380	$3,670,850	$2,956,782	($714,068)
Dec-18	28,815,169	26,920,932	24,055,452	2,865,481	31,680,650	($466,997)	$0.09198	$0.07404	$0.01794	$2,913,986	$2,345,635	($568,351)
	379,188,607	273,111,502	279,305,674	(6,194,172)	372,994,435	(302,501)	$0.09300	$0.09180	$0.00120	$34,606,539	$34,538,348	**($68,191)** **A**
											2018 IRM Rate Continuity Schedule Amount	**($2,229,900)** **B**
											Difference	**$2,161,709** **A-B**

	M=N+BxG-(CxH at previous month rate) Billed 1st estimate (query)+UBR true-up	N Query - Billed	Billed Average Rate	1st estimate	Monthly average GA rate billed to customers in 2018
	$2,282,325.56	$2,994,185	$0.08973	$0.08777	
	$2,409,117.37	$2,927,824	$0.08672	$0.07333	$0.08055
	$2,910,144.81	$2,537,216	$0.07671	$0.07877	$0.07605
	$2,707,679.60	$2,452,703	$0.07816	$0.09810	$0.08844
	$3,448,242.52	$3,444,472	$0.09383	$0.09392	$0.09601
	$3,163,622.77	$2,383,361	$0.07560	$0.13336	$0.11364
	$2,889,898.29	$3,880,658	$0.12361	$0.08502	$0.10919
	$2,847,818.40	$3,145,032	$0.09341	$0.07790	$0.08146
	$2,139,670.68	$2,144,650	$0.07925	$0.08424	$0.08107
	$2,815,913.72	$2,602,214	$0.08289	$0.08921	$0.08673
	$3,467,991.79	$2,405,615	$0.08900	$0.12235	$0.10578
	$2,836,203.25	$3,303,200	$0.11463	$0.09198	$0.10717
Total:	###########	**$34,221,130**			
	$687,910				

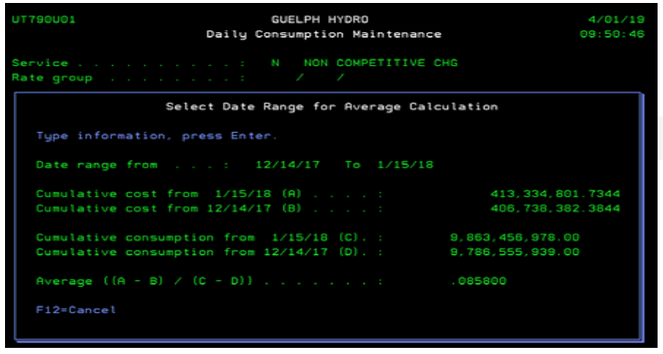
Table 5

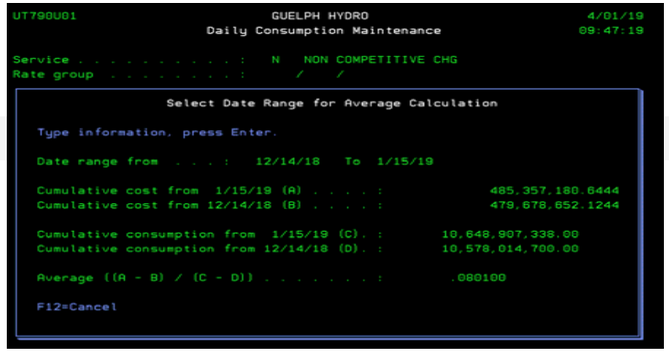
The Difference Between the Actual UBR and UBR calculated at 1st Estimate GA Rate

	Posted	1st estimate	Difference
31-Dec-17	$2,973,978.02	$2,778,688.42	$195,289.60
31-Dec-18	$ 2,670,720.25	$ 2,476,187.36	$194,532.89

31-Dec-18

GA	Queried $	Queried kWh	1st Estimate	UBR at 1st Estimate $	
L2	117.89	1,095.96	$0.09198	100.81	
L3	1,282,920.28	12,622,705.80	$0.09198	1,161,036.48	
L4	1,360,240.83	12,752,928.52	$0.09198	1,173,014.37	
L5	2,243,708.77	22,671,907.45	$0.09198	2,085,362.05	
L6	71,063.96	772,602.31	$0.09198	71,063.96	
L7	-	-	$0.09198	-	
L9	355,947.52	3,476,422.62	$0.09198	319,761.35	
Non-RPP Class B GA	$ 2,670,720.25	-		$ 2,476,187.36	Difference $ 194,532.89
	Posted ^			0 @ 1st Estimate GA rate	





2018 GA Rates

Source: http://www.ieso.ca/sector-participants/settlements/global-adjustment-for-class-b

Month	1st Estimate GA	2nd Estimate GA	Actual GA
	$/kWh	$/kWh	$/kWh
Jan-17	0.06687		0.08227
Feb-17	0.10559		0.08639
Mar-17	0.08409		0.07135
Apr-17	0.06874		0.10778
May-17	0.10623		0.12307
Jun-17	0.11954		0.11848
Jul-17	0.10652		0.11280
Aug-17	0.11500		0.10109
Sep-17	0.12739		0.08864
Oct-17	0.10212		0.12563
Nov-17	0.11164		0.09704
Dec-17	0.08391		0.09207
Jan-18	0.08777	0.06370	0.06736
Feb-18	0.07333	0.07705	0.08167
Mar-18	0.07877	0.08595	0.09481
Apr-18	0.09810	0.10074	0.09959
May-18	0.09392	0.13199	0.10793
Jun-18	0.13336	0.10239	0.11896
Jul-18	0.08502	0.08123	0.07737
Aug-18	0.07790	0.07324	0.07490
Sep-18	0.08424	0.08660	0.08584
Oct-18	0.08921	0.11998	0.12059
Nov-18	0.12235	0.10540	0.09855
Dec-18	0.09198	0.07067	0.07404

Alectra Utilities - Guelph Rate Zone 2020 IRM Application EB-2019-0018
IESO Invoice Adjustment Analysis

1. Expected CT148 Calculated vs. per IESO Invoices

Month	AQEW	EG	Class A	Loads pertaining to Class B (CT148)	IESO Actual GA Rate on website	Expected GA Charges Class B CT148 $ (Calculated)	CT 148 $ per IESO Invoice	Difference	RPP (Including Loss Factor) Billed Consumption adjusted for Unbilled	Estimated RPP Proportion	Adjustments pertaining to RPP	Adjustments pertaining to non-RPP Class B
	kWh	kWh	kWh	kWh	$/kWh	$	$	$	kWh	%	$	$
	A	B	C	D=A+B-C	E	F=D X E	G	H = G - F	I	J = I / D	K = H x J	L = H - K
Remove December 2017 true-up that was billed in Jan 2018 STPP				1,298.00	0.09207			$ 119.51		55.86%	$ 66.76	$ 52.75
Jan-18	153,174,399.00	312,678.00	66,331,214.00	87,155,863.00	0.06736	$5,870,818.93	$5,874,062.25	$ 3,243.32	59,479,867	68.25%	$ 2,213.42	$ 1,029.90
Feb-18	135,367,812.00	498,015.00	60,968,600.00	74,897,227.00	0.08167	$6,116,856.53	$6,116,846.23	$ (10.30)	34,772,038	46.43%	$ (4.78)	$ (5.52)
Mar-18	144,464,660.00	653,373.00	66,794,577.00	78,323,456.00	0.09481	$7,425,846.86	$7,425,580.09	$ (266.77)	56,277,815	71.85%	$ (191.68)	$ (75.09)
Apr-18	134,188,611.00	1,499,462.00	62,639,604.00	73,048,469.00	0.09959	$7,274,897.03	$7,275,137.71	$ 240.68	31,109,314	42.59%	$ 102.50	$ 138.18
May-18	137,785,234.00	1,508,625.00	67,783,509.00	71,510,350.00	0.10793	$7,718,112.08	$7,718,103.18	$ (8.90)	52,134,567	72.90%	$ (6.49)	$ (2.41)
Jun-18	137,868,336.00	2,049,470.00	65,117,341.00	74,800,465.00	0.11896	$8,898,263.32	$8,551,014.12	$ (347,249.20)	37,208,404	49.74%	$ (172,734.06)	$ (174,515.13)
Jul-18	149,344,885.00	2,018,554.00	67,353,899.00	84,009,540.00	0.07737	$6,499,818.11	$6,502,480.29	$ 2,662.18	51,534,018	61.34%	$ 1,633.06	$ 1,029.12
Aug-18	154,043,197.00	2,093,400.00	72,821,424.00	83,315,173.00	0.07490	$6,240,306.46	$6,240,218.42	$ (88.04)	55,783,904	66.96%	$ (58.95)	$ (29.09)
Sep-18	142,504,368.00	1,699,198.00	69,615,152.00	74,588,414.00	0.08584	$6,402,669.46	$6,403,046.90	$ 377.44	35,714,338	47.88%	$ 180.73	$ 196.72
Oct-18	140,456,587.00	1,303,877.00	70,952,016.00	70,808,448.00	0.12059	$8,538,790.74	$8,538,470.32	$ (320.42)	53,034,109	74.90%	$ (239.99)	$ (80.43)
Nov-18	141,345,545.00	783,671.00	67,335,327.00	74,793,889.00	0.09855	$7,370,937.76	$7,110,057.31	$ (260,880.45)	44,833,846	59.94%	$ (156,380.08)	$ (104,500.38)
Dec-18	136,642,286.00	251,938.00	59,374,290.00	77,519,934.00	0.07404	$5,739,575.91	$5,987,091.02	$ 247,515.11	32,053,644	41.35%	$ 102,344.79	$ 145,170.32
December true-up				-	0.07404			$ -			$ -	$ -
Total	**1,707,185,920.00**	**14,672,261.00**	**797,086,953.00**	**924,771,228.00**		**$84,096,893.19**	**$83,742,107.84**	**$ (354,665.84)**	**543,935,865.66**		**$ (223,074.78)**	**$ (131,591.06)**

Table 4 - Alectra's Proposal

Alectra's proposal to allocate the IESO adjustments between RPP and non-RPP	$	(354,665.84)
Estimated RPP Proportion	$	(223,074.78)
Estimated non-RPP Proportion	$	(131,591.06)

Payment to IESO; included in Continuity Schedule cell BF29

Total Difference $ represent the IESO Invoice adjustments in addition to the expected GA charges based on the actual GA rates

2. STPP, STPF and IESO Monthly Invoice $ Reconciliation for CT148

Note: the STPP, STPF and IESO Invoices include the entire month data as at month end
IESO Monthly invoice = Current month STPP + Last Month STPF - Last Month STPP

	Current Month STPP CT148 $	Last Month STPF CT148 $	Last Month STPP CT148 $	Net for the month	IESO Invoice CT148 $	Difference
	A	B	C	D=A+B-C	E	F = D-E
Jan-18	$ 5,874,552.89	$ 7,684,388.10	$ 7,684,878.74	$ 5,874,062.25	$5,874,062.25	$ -
Feb-18	$ 6,116,518.48	$ 5,874,880.64	$ 5,874,552.89	$ 6,116,846.23	$6,116,846.23	$ -
Mar-18	$ 7,425,415.02	$ 6,116,683.55	$ 6,116,518.48	$ 7,425,580.09	$7,425,580.09	$ -
Apr-18	$ 7,278,167.95	$ 7,422,384.78	$ 7,425,415.02	$ 7,275,137.71	$7,275,137.71	$ -
May-18	$ 7,717,902.48	$ 7,278,493.88	$ 7,278,167.95	$ 7,718,228.41	$7,718,103.18	$ 125.23
Jun-18	$ 8,551,026.97	$ 7,717,889.63	$ 7,717,902.48	$ 8,551,014.12	$8,551,014.12	$ -
Jul-18	$ 6,453,046.63	$ 8,600,460.63	$ 8,551,026.97	$ 6,502,480.29	$6,502,480.29	$ -
Aug-18	$ 6,242,151.28	$ 6,451,113.77	$ 6,453,046.63	$ 6,240,218.42	$6,240,218.42	$ -
Sep-18	$ 5,289,041.62	$ 6,242,515.28	$ 6,242,151.28	$ 5,289,405.62	$6,403,046.90	$ (1,113,641.28)
Oct-18	$ 8,529,319.51	$ 6,411,810.37	$ 5,289,041.62	$ 9,652,088.26	$8,538,470.32	$ 1,113,617.94
Nov-18	$ 7,109,802.39	$ 8,529,574.43	$ 8,529,319.51	$ 7,110,057.31	$7,110,057.31	$ -
Dec-18	$ 6,144,678.28	$ 6,952,215.13	$ 7,109,802.39	$ 5,987,091.02	$5,987,091.02	$ -
Total	**$ 82,731,623.50**	**$ 85,282,410.19**	**$ 84,271,823.96**	**$ 83,742,209.73**	**$ 83,742,107.84**	**$ 101.89**

Alectra Utilities - Guelph Rate Zone 2020 IRM Application EB-2019-0018
IESO Invoice Adjustment Analysis

3. STPP, STPF and Loads pertaining to Class B kWh Reconciliation

	Current Month STPP CT148 kWh	Last Month STPF CT148 kWh	Last Month STPP CT148 kWh	Net for the month (kWh)	Loads pertaining to Class B (Calculated in Table 1)	Difference (kWh)
	A	B	C	D=A+B-C	E	F=D-E
Jan-18	87,155,863.00	83,390,473.00	83,391,771.00	87,154,565.00	87,155,863.00	(1,298.00)
Feb-18	74,897,227.00	87,155,863.00	87,155,863.00	74,897,227.00	74,897,227.00	-
Mar-18	78,323,456.00	74,897,227.00	74,897,227.00	78,323,456.00	78,323,456.00	-
Apr-18	95,635,542.00	78,323,456.00	78,323,456.00	95,635,542.00	73,048,469.00	22,587,073.00
May-18	73,048,469.00	73,048,469.00	95,635,542.00	50,461,396.00	71,510,350.00	(21,048,954.00)
Jun-18	74,800,465.00	71,510,350.00	73,048,469.00	73,262,346.00	74,800,465.00	(1,538,119.00)
Jul-18	84,009,540.00	74,800,465.00	74,800,465.00	84,009,540.00	84,009,540.00	-
Aug-18	83,315,173.00	84,009,540.00	84,009,540.00	83,315,173.00	83,315,173.00	-
Sep-18	74,588,414.00	83,315,173.00	83,315,173.00	74,588,414.00	74,588,414.00	-
Oct-18	70,808,448.00	74,588,414.00	74,588,414.00	70,808,448.00	70,808,448.00	-
Nov-18	72,145,545.00	70,808,448.00	70,808,448.00	72,145,545.00	74,793,889.00	(2,648,344.00)
Dec-18	77,519,934.00	74,793,889.00	72,145,545.00	80,168,278.00	77,519,934.00	2,648,344.00
Total	**946,248,076.00**	**930,641,767.00**	**952,119,913.00**	**924,769,930.00**	**924,771,228.00**	**(1,298.00)**

Jan-19	84,454,659.00	77,519,934.00	77,519,934.00	84,454,659.00	84,454,659	-

Global Adjustment Adjustments in 2018

- charge, + credit

Legend: Applies to 2018 | Applies to various other years

IESO Charge Type	Value	Statement	Description	Applicable to
148	$ (6,698.96)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 10/2016, Total Adjusted Amount - $-551217.59, Total Distribution (MWh) - 8384313.564	Class B
148	$ 9.71	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 10/2015, Total Adjusted Amount - $815.29, Total Distribution (MWh) - 8628399.29	Class B
148	$ 17,149.75	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 12/2015, Total Adjusted Amount - $1520573.83, Total Distribution (MWh) - 9283635.217	Class B
148	$ 2,536.69	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 01/2016, Total Adjusted Amount - $228327.97, Total Distribution (MWh) - 10238681.478	Class B
148	$ (3,741.18)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 02/2016, Total Adjusted Amount - $-333610.22, Total Distribution (MWh) - 9476993.419	Class B
148	$ (4,725.51)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 03/2016, Total Adjusted Amount - $-409704.41, Total Distribution (MWh) - 9274395.494	Class B
148	$ (4,970.85)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 04/2016, Total Adjusted Amount - $-426214.56, Total Distribution (MWh) - 8601557.64	Class B
148	$ (511.75)	Jan 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - $-57213.28, Total Distribution (MWh) - 9743882.265	Class A
148	$ (4,217.16)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 06/2016, Total Adjusted Amount - $-370511.89, Total Distribution (MWh) - 9202274.086	Class B
148	$ (6,268.65)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 11/2016, Total Adjusted Amount - $-518482.14, Total Distribution (MWh) - 8578212.921	Class B
148	$ (4,440.43)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 12/2016, Total Adjusted Amount - $-398278.58, Total Distribution (MWh) - 9825550.081	Class B
148	$ (4,667.64)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 05/2016, Total Adjusted Amount - $-401311.77, Total Distribution (MWh) - 8652317.796	Class B
148	$ (5,982.58)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 09/2016, Total Adjusted Amount - $-503428.28, Total Distribution (MWh) - 8992096.573	Class A
148	$ (4,077.76)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 08/2016, Total Adjusted Amount - $-366044.01, Total Distribution (MWh) - 10956699.077	Class B
148	$ (4,239.96)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 07/2016, Total Adjusted Amount - $-393133.45, Total Distribution (MWh) - 10495041.213	Class B
148	$ 19,352.17	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 11/2015, Total Adjusted Amount - $1636248.71, Total Distribution (MWh) - 8680759.324	Class B
148	$ (327.72)	Jan 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class B
148	$ (4,440.43)	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 12/2016, Total Adjusted Amount - $-398278.58, Total Distribution (MWh) - 9825550.081	Class B
148	$ 9.71	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 10/2015, Total Adjusted Amount - $815.29, Total Distribution (MWh) - 8628399.29	Class B
148	$ 17,149.75	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 12/2015, Total Adjusted Amount - $1520573.83, Total Distribution (MWh) - 9283635.217	Class B
148	2,536.69	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 01/2016, Total Adjusted Amount - $228327.97, Total Distribution (MWh) - 10238681.478	Class B
148	(3,741.18)	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 02/2016, Total Adjusted Amount - $-333610.22, Total Distribution (MWh) - 9476993.419	Class B
148	(4,725.51)	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 03/2016, Total Adjusted Amount - $-409704.41, Total Distribution (MWh) - 9274395.494	Class B
148	-4970.85	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 04/2016, Total Adjusted Amount - $-426214.56, Total Distribution (MWh) - 8601557.64	Class B
148	19352.17	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 11/2015, Total Adjusted Amount - $1636248.71, Total Distribution (MWh) - 8680759.324	Class B
148	-511.75	Jan 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - $-57213.28, Total Distribution (MWh) - 9743882.265	Class B
148	-4217.16	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 06/2016, Total Adjusted Amount - $-370511.89, Total Distribution (MWh) - 9202274.086	Class B
148	-6268.65	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 11/2016, Total Adjusted Amount - $-518482.14, Total Distribution (MWh) - 8578212.921	Class B
148	(4,667.64)	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 05/2016, Total Adjusted Amount - $-401311.77, Total Distribution (MWh) - 8652317.796	Class B
148	(6,698.96)	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 10/2016, Total Adjusted Amount - $-551217.59, Total Distribution (MWh) - 8384313.564	Class B
148	(5,982.58)	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 09/2016, Total Adjusted Amount - $-503428.28, Total Distribution (MWh) - 8992096.573	Class B
148	-4077.76	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 08/2016, Total Adjusted Amount - $-366044.01, Total Distribution (MWh) - 10956699.077	Class B
148	-4239.96	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 07/2016, Total Adjusted Amount - $-393133.45, Total Distribution (MWh) - 10495041.213	Class B
148	-0.03	Jan 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - $-57213.28, Total Distribution (MWh) - 9743337.279	Class B
148	-46267.81	Feb 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - $-5053280.44, Total Distribution (MWh) - 8180130.014	Class B
147	-91.44	Feb 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class A
148	-165.03	Feb 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class B
148	-0.04	Feb 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - $-5053280.44, Total Distribution (MWh) - 8180122.027	Class B
148	-41035.43	Mar 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - $-4454479.65, Total Distribution (MWh) - 8502169.957	Class B
147	-11832.61	Mar 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class A
148	-20719.92	Mar 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class B
148	23750.16	Mar 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - $-1876349.71, Total Distribution (MWh) - 8502162.578	Class B
148	-401.33	April 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - $-43057.48, Total Distribution (MWh) - 7837148.776	Class B
147	-70.7	April 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class A
148	-318.68	April 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class B
148	-7.25	April 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - $-43834.35, Total Distribution (MWh) - 7836940.453	Class B
147	-70.7	May 2018 ST-P-P	Issue 837 - Adjustment to Global Adjustment CT 147 for trade date April 30, 2018	Class A
148	-125.23	May 2018 ST-P-P	Issue 837 - Adjustment to Global Adjustment CT 148 for trade date April 30, 2018	Class B
148	-4440.3	May 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - $-479973.99, Total Distribution (MWh) - 7729903.495	Class B
148	12.84	May 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class B
148	0.01	May 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - $-479973.99, Total Distribution (MWh) - 7729916.364	Class B
148	-48634.53	June 2018 ST-P-P	Adjustment of Global Adjustment for 05/2018, Total Adjusted Amount - $-5257153.2, Total Distribution (MWh) - 7729916.364	Class B
148	51598.58	June 2018 ST-P-P	Issue-835 Adjustment of Class B Global Adjustment due to under-reported Class A load for September 2017	Class B
148	-2677.33	June 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - $-290095.16, Total Distribution (MWh) - 8104808.542	Class B
148	296195.46	June 2018 ST-P-P	Issue-835 Adjustment of Class B Global Adjustment due to under-reported Class A load for October 2017	Class B
147	-419.75	June 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class A
148	-799.11	June 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class B
148	-0.02	June 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - $-290095.16, Total Distribution (MWh) - 8104751.095	Class B
148	-48634.53	June 2018 ST-P-F	Adjustment of Global Adjustment for 05/2018, Total Adjusted Amount - $-10514306.4, Total Distribution (MWh) - 7729916.364	Class B
148	-3847.25	July 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - $-438880.88, Total Distribution (MWh) - 9583527.878	Class B
147	28.65	July 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class A
148	1931.73	July 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class B
148	1.13	July 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - $-438880.88, Total Distribution (MWh) - 9586334.709	Class B
148	21868.95	August 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - $2468997.76, Total Distribution (MWh) - 9406257.651	Class B
147	-4094535.67	September 2018 ST	Issue 860: Reversal of CT 147 for trade date 08/31/2018 that appeared on the September 26, 2018 preliminary settlement statement (PSS)	Class A
147	4822435.29	September 2018 ST	Issue 860: Reversal of CT 147 for trade date 08/31/2018 that appeared on the September 26, 2018 preliminary settlement statement (PSS)	Class A
148	3338.99	September 2018 ST	Adjustment of Global Adjustment, Total Adjusted Amount - $356320.35, Total Distribution (MWh) - 7959696.53	Class B
148	7378026.87	September 2018 ST	Issue 860: Reversal of CT 148 for trade date 08/31/2018 that appeared on the September 26, 2018 preliminary settlement statement (PSS)	Class B
148	-6264385.59	September 2018 ST	Issue 860: Reversal of CT 148 for trade date 08/31/2018 that appeared on the September 26, 2018 preliminary settlement statement (PSS)	Class B
148	-9155.58	September 2018 ST	Slight change in total provincewide kWh for current month	Class B
147	-727884.36	September 2018 ST	Issue 860: Reversal of CT 147 for trade date 08/31/2018 that appeared on the September 26, 2018 final settlement statement (FSS)	Class A
148	4.77	September 2018 ST	Adjustment of Global Adjustment, Total Adjusted Amount - $356320.35, Total Distribution (MWh) - 7948337.146	Class B
148	-1113617.94	September 2018 ST	Issue 860: Reversal of CT 148 for trade date 08/31/2018 that appeared on the September 26, 2018 final settlement statement (FSS)	Class B
148	-45.25	October 2018 ST-P-	Adjustment of Global Adjustment, Total Adjusted Amount - $-4860.35, Total Distribution (MWh) - 7605074.466	Class B
148	-254.92	October 2018 ST-P-F		Class B
148	45.11	November 2018 ST-	Adjustment of Global Adjustment, Total Adjusted Amount - $4794.48, Total Distribution (MWh) - 7668202.27	Class B
147	-72.06	November 2018 ST-P-F		Class A
148	157588.3	November 2018 ST-P-F		Class B
148	-1	November 2018 ST-	Adjustment of Global Adjustment, Total Adjusted Amount - $4794.48, Total Distribution (MWh) - 8129996.362	Class B
148	-5376.93	December 2018 ST-	Adjustment of Global Adjustment, Total Adjusted Amount - $-603108.97, Total Distribution (MWh) - 8695097.125	Class B
147	-220.49	December 2018 ST-P-F		Class A
148	-6999.97	December 2018 ST-P-F		Class B
148	-5.84	December 2018 ST-	Adjustment of Global Adjustment, Total Adjusted Amount - $-603108.97, Total Distribution (MWh) - 8685675.198	Class B
	$ 475,417.62			

GRZ-Staff-6

RGCRP
Reference 1: Exhibit 3, Tab 1, Schedule 9
Reference 2: Exhibit 5, Attachment 29 GRZ Excel
Reference 3: Exhibit 5, Attachment 16 IRM Model for the GRZ, Tab 3

Alectra Utilities has proposed to only return three of the six years' of RGCRP amounts owed as a result of the variance between amounts received from the IESO and amounts entitled from the IESO. The former Guelph Hydro's rationale for only returning three of the six years' amounts, as summarized by the OEB in the OEB's Decision and Order on 2019 RGCRP Compensation Amounts, [1] is that for three of the years' in question (2013, 2014, and 2016), Guelph Hydro had already had those RGCRP amounts returned to its own ratepayers through variance accounts approved for disposition in prior rate applications.

Questions:

a) **Please confirm that the amount of $69,504 in cell BF23 of Tab 3 (2018 Principal Adjustment) in the DVA Continuity Schedule is a debit adjustment to reverse the credits of $69,504, pertaining to RGCRP, that were erroneously included in Account 1580 during 2018. If the credits were not recorded in Account 1580, please explain the purpose of that adjustment.**

b) **Cell D73 of Attachment 29 (RGCRP GRZ) describes the adjustment of the amount payable to the IESO as "Disposed via 1533 in 2018 IRM (EB-2017-0044)". Please confirm that Alectra Utilities meant to refer to Account 1580, rather than Account 1533, in this explanation.**

c) **Please confirm that, had the former Guelph Hydro not deviated from the accounting guidance provided by the OEB for the accounting treatment of RGCRP revenues, the errors that led to its own customers receiving the RGCRP payments from 2013, 2014, 2016, would not have occurred. Otherwise, please explain.**

d) **Please confirm that the amounts erroneously returned to Guelph Hydro's ratepayers for RGCRP amounts in 2013, 2014, and 2016 have been disposed of on a final basis, and that adjusting for those dispositions in current account balances requested for disposition would constitute retroactive ratemaking. If this is not the case, please explain Alectra Utilities position on the matter.**

[1] EB-2018-0295 Decision and Order, pp.5-6

e) Please comment on the appropriateness of Alectra Utilities' proposal to have the amounts previously disposed to Guelph Hydro's specific customers offset amounts that would normally be owed to the IESO and provincial ratepayers as a whole.

f) Please explain Alectra Utilities position on the following alternative proposal:

The total amount of RGCRP that Guelph was not entitled to ($350,844) would be refunded as a one-time payment in 2020 to the IESO, in order to keep provincial ratepayers whole. This payment would be made by through shareholder retained earnings, and not by retroactively recovering the amounts previously refunded to Guelph Hydro's ratepayers.

Please provide rationale supporting or disputing aspects of this alternative proposal, including any reference to the answer provided in part e) of this question, as necessary.

Response:

a) Alectra Utilities confirms that the amount of $69,504 in cell BF23 of Tab 3 (2018 Principal Adjustment) in the DVA Continuity Schedule is a debit adjustment to reverse the credits of $69,504, pertaining to RGCRP, that were included in Account 1580 during 2018.

b) Alectra Utilities confirms that the reference is to Account 1580, rather than Account 1533, in this explanation.

c) Alectra Utilities' predecessor, Guelph Hydro, received the OEB's approval to dispose of Account 1533 – Renewable Generation Funding Adder Deferral Account in its 2016 COS (EB-2015-0073). The 1533 balance disposed of included the revenues collected through a funding adder approved by the OEB related to renewable generation connection projects and the amounts received from the IESO (pursuant to the provincial rate protection pooling mechanism set out in section 79.1 of the OEB Act, 1998) in respect of the projects. The amount received from IESO from January 2013 to December 2014 and disposed in 2016 COS via 1533 was ($72,828). Further, Alectra Utilities' predecessor, Guelph Hydro, received the OEB's approval to dispose of Account 1580- WMS variance balance in the 2018 IRM application (EB-2017-0044). The balance included the amount of ($69,504) received from the IESO for RGCRP.

Table 1, below provides a summary of the amounts received from the IESO and historical Board-approved RGCRP dispositions:

Table 1 – Summary of RGCRP received, disposed, and to be returned to the IESO

Years	RGCRP Received from the IESO	RGCRP amount disposed	OEB Case No.	RGCRP Amount Requested to be returned to the IESO
2013	($26,556)			
2014	($46,272)	($72,828)	EB-2015-0073	
2015	($69,504)			
2016	($69,504)			
2017	($69,504)	($69,504)	EB-2017-0044	
2018	($69,504)			
TOTAL	**($350,844)**	**($142,332)**		**$208,512**

Alectra Utilities proposes to refund renewable generation funding in the full amount of $350,844 as a one-time payment to the IESO, which includes $142,332 previously refunded to Guelph Hydro customers. Alectra Utilities does not propose to recover this amount from Guelph Hydro customers.

d) Alectra Utilities confirms that amounts returned to Guelph Hydro's ratepayers for RGCRP amounts in 2013, 2014 and 2016 have been disposed of on a final basis (EB-2015-0073 and EB-2017-0044).

e) Please see Alectra Utilities' response to part c).

f) Please see Alectra Utilities' response to part c).