ATTACHMENT 35
CURRENT TARIFF OF RATES AND CHARGES
JANUARY 1, 2018
ENERSOURCE RZ

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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

EB-2017-0024

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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	21.61
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
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
Rate Rider for Recovery of Incremental Capital (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$	0.16
Rate Rider for Recovery of 2018 Foregone Revenue - effective May 1, 2018 until December 31, 2018	$	0.17
Distribution Volumetric Rate	$/kWh	0.0035
Low Voltage Service Rate	$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2018) - effective May 1, 2018 until April 30, 2019 Applicable only for Non-RPP Customers	$/kWh	(0.0005)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective May 1, 2018 until April 30, 2019	$/kWh	(0.0007)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective May 1, 2018 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 May 1, 2018 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	0.0071

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
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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EB-2017-0024

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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	43.99
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
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
Rate Rider for Recovery of Incremental Capital (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$	0.29
Rate Rider for Recovery of 2018 Foregone Revenue - effective May 1, 2018 until December 31, 2018	$	0.35
Distribution Volumetric Rate	$/kWh	0.0128
Low Voltage Service Rate	$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2018) - effective May 1, 2018 until April 30, 2019 Applicable only for Non-RPP Customers	$/kWh	(0.0005)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective May 1, 2018 until April 30, 2019	$/kWh	(0.0007)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective May 1, 2018 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 May 1, 2018 until April 30, 2019	$/kWh	0.0006
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 (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	$/kWh	0.0071
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	0.0032
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
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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EB-2017-0024

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 Debt Retirement Charge, 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	$	77.48
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
Rate Rider for Recovery of Incremental Capital (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$	0.51
Rate Rider for Recovery of 2018 Foregone Revenue - effective May 1, 2018 until December 31, 2018	$	2.84
Distribution Volumetric Rate	$/kW	4.6629
Low Voltage Service Rate	$/kW	0.0802
Rate Rider for Disposition of Global Adjustment Account (2018) - effective May 1, 2018 until April 30, 2019 Applicable only for Non-RPP Customers	$/kWh	(0.0005)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective May 1, 2018 until April 30, 2019	$/kW	0.1005
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective May 1, 2018 until April 30, 2019 Applicable only for Non-Wholesale Market Participants	$/kW	(0.3538)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective May 1, 2018 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) (2018) - effective May 1, 2018 until April 30, 2019	$/kW	0.4585
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 (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$/kW	0.0308
Retail Transmission Rate - Network Service Rate	$/kW	2.7325
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5347

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
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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EB-2017-0024

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.

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

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 order 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.

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	$	1,764.42
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
Rate Rider for Recovery of Incremental Capital (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$	11.65
Rate Rider for Recovery of 2018 Foregone Revenue - effective May 1, 2018 until December 31, 2018	$	16.18
Distribution Volumetric Rate	$/kW	2.3994
Low Voltage Service Rate	$/kW	0.0784
Rate Rider for Disposition of Global Adjustment Account (2018) - effective May 1, 2018 until April 30, 2019 Applicable only for Non-RPP Customers	$/kWh	(0.0005)
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 May 1, 2018 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 May 1, 2018 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) (2018) - effective May 1, 2018 until April 30, 2019	$/kW	0.1410
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 (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$/kW	0.0158
Retail Transmission Rate - Network Service Rate	$/kW	2.6436
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.4803

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
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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EB-2017-0024

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.

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.

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	$	13,911.73
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
Rate Rider for Recovery of Incremental Capital (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$	91.89
Rate Rider for Recovery of 2018 Foregone Revenue - effective May 1, 2018 until December 31, 2018	$	264.39
Distribution Volumetric Rate	$/kW	2.9782
Low Voltage Service Rate	$/kW	0.0838
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective May 1, 2018 until April 30, 2019	$/kW	(0.4054)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective May 1, 2018 until April 30, 2019	$/kW	0.0880
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 (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$/kW	0.0197
Retail Transmission Rate - Network Service Rate – Interval Metered	$/kW	2.8211
Retail Transmission Rate - Line and Transformation Connection Service Rate – Interval Metered	$/kW	2.6491

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
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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EB-2017-0024

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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	$	9.08
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
Rate Rider for Recovery of Incremental Capital (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$	0.06
Rate Rider for Recovery of 2018 Foregone Revenue - effective May 1, 2018 until December 31, 2018	$	0.05
Distribution Volumetric Rate	$/kWh	0.0165
Low Voltage Service Rate	$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2018) - effective May 1, 2018 until April 30, 2019		
Applicable only for Non-RPP Customers	$/kWh	(0.0005)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective May 1, 2018 until April 30, 2019	$/kWh	(0.0007)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective May 1, 2018 until April 30, 2019		
Applicable Only for Class B Customers	$/kWh	(0.00005)
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 (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	$/kWh	0.0071
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	0.0032
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
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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EB-2017-0024

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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per luminaire)	$	1.52
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
Rate Rider for Recovery of Incremental Capital (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$	0.01
Rate Rider for Recovery of 2018 Foregone Revenue - effective May 1, 2018 until December 31, 2018	$	0.01
Distribution Volumetric Rate	$/kW	11.6504
Low Voltage Service Rate	$/kW	0.0580
Rate Rider for Disposition of Global Adjustment Account (2018) - effective May 1, 2018 until April 30, 2019 Applicable only for Non-RPP Customers	$/kWh	(0.0005)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective May 1, 2018 until April 30, 2019	$/kW	(0.2616)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective May 1, 2018 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) (2018) - effective May 1, 2018 until April 30, 2019	$/kW	(33.3532)
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 (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$/kW	0.0770
Retail Transmission Rate - Network Service Rate	$/kW	1.8924
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.8329

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
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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EB-2017-0024

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 Debt Retirement Charge, 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
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Implementation Date May 1, 2018

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EB-2017-0024

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	5.40

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)

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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

EB-2017-0024

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
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 until August 31, 2018	$	22.35
Specific Charge for Access to the Power Poles - $/pole/year (with the exception of wireless attachments) - in effect from September 1, 2018 until December 31, 2018	$	28.09
Specific Charge for Access to the Power Poles - $/pole/year (with the exception of wireless attachments) - in effect from January 1, 2019	$	43.63

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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

EB-2017-0024

RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

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

LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0360
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

ATTACHMENT 36
PROPOSED TARIFF OF RATES AND CHARGES
JANUARY 1, 2019
ENERSOURCE RZ

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra - Enersource
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date January 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. 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	24.18
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	0.60
Rate Rider for Recovery of Incremental Capital Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$	0.16
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$	(0.23)
Low Voltage Service Rate	$/kWh	0.0002
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 Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	$/kWh	0.0017
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	$/kWh	(0.0004)
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 Capacity Based Recovery Account (2019) - effective until December 31, 2019 Applicable Only for Class B Customers	$/kWh	0.00001
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kWh	(0.0002)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kWh	0.0002
Retail Transmission Rate – Network Service Rate	$/kWh	0.0076
Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kWh	0.0072

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

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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	44.39
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	1.10
Rate Rider for Recovery of Incremental Capital Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$	0.30
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$	(0.42)
Distribution Volumetric Rate	$/kWh	0.0129
Low Voltage Service Rate	$/kWh	0.0002
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 Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	$/kWh	0.0017
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	$/kWh	(0.0004)
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 Capacity Based Recovery Account (2019) - effective until December 31, 2019 Applicable Only for Class B Customers	$/kWh	0.00001
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kWh	0.0006
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kWh	0.0002
Rate Rider for Recovery of Incremental Capital Module (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 Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$/kWh	(0.0001)
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	0.0032
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

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 Debt Retirement Charge, 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	$	78.18
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	1.93
Rate Rider for Recovery of Incremental Capital Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$	0.53
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$	(0.74)
Distribution Volumetric Rate	$/kW	4.7049
Low Voltage Service Rate	$/kW	0.0802
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 Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	$/kWh	0.0017
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 (2019) - effective until December 31, 2019	$/kW	0.2188
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019 Applicable only for Non-Wholesale Market Participants	$/kW	(0.3538)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 Applicable only for Non-Wholesale Market Participants	$/kW	(0.3484)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Non-WMP Class B Customers	$/kW	(0.01606)
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019 Applicable Only for Non-WMP Class B Customers	$/kW	0.00237
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	0.4585
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.1951
Rate Rider for Recovery of Incremental Capital Module (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 Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0317
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$/kW	(0.0447)
Retail Transmission Rate – Network Service Rate	$/kW	2.7453
Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kW	2.5771

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

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.

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.

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 order 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.

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	$	1,780.30
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	44.00
Rate Rider for Recovery of Incremental Capital Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$	11.99
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$	(16.90)
Distribution Volumetric Rate	$/kW	2.4210
Low Voltage Service Rate	$/kW	0.0784
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 Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	$/kWh	0.0017
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	0.1272
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	$/kW	0.2760
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 Deferral/Variance Accounts (2019) - effective until December 31, 2019 Applicable only for Non-Wholesale Market Participants	$/kW	(0.4388)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Non-WMP Class B Customers	$/kW	(0.01999)
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019 Applicable Only for Non-WMP Class B Customers	$/kW	0.00278
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	0.1410
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.0752
Rate Rider for Recovery of Incremental Capital Module (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 Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0163
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$/kW	(0.0230)
Retail Transmission Rate – Network Service Rate	$/kW	2.6560
Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kW	2.5218

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

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.

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.

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	$	14,036.94
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	346.90
Rate Rider for Recovery of Incremental Capital Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$	94.56
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$	(133.24)
Distribution Volumetric Rate	$/kW	3.0050
Low Voltage Service Rate	$/kW	0.0838
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	(0.4054)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	$/kW	(0.2100)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	0.0880
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.0640
Rate Rider for Recovery of Incremental Capital Module (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 Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0202
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$/kW	-0.0285
Retail Transmission Rate - Network Service Rate – Interval Metered	$/kW	2.8343
Retail Transmission Rate - Line and Transformation Connection Service Rate – Interval Metered	$/kW	2.6934

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

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

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)	$	9.16
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	0.23
Rate Rider for Recovery of Incremental Capital Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$	0.06
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$	(0.09)
Distribution Volumetric Rate	$/kWh	0.0166
Low Voltage Service Rate	$/kWh	0.0002
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 Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	$/kWh	0.0017
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	$/kWh	(0.0004)
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 Capacity Based Recovery Account (2019) - effective until December 31, 2019 Applicable Only for Class B Customers	$/kWh	0.00001
Rate Rider for Recovery of Incremental Capital Module (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 Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$/kWh	(0.0002)
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	0.0032
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

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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per luminaire)	$	1.53
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	0.04
Rate Rider for Recovery of Incremental Capital Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$	0.01
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$	(0.01)
Distribution Volumetric Rate	$/kW	11.7553
Low Voltage Service Rate	$/kW	0.0580
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 Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	$/kWh	0.0017
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	(0.2616)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	$/kW	(0.1354)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Non-WMP Class B Customers	$/kW	(0.01655)
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019 Applicable Only for Non-WMP Class B Customers	$/kW	0.00248
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	(33.3532)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	(3.7908)
Rate Rider for Recovery of Incremental Capital Module (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 Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0792
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$/kW	(0.1116)
Retail Transmission Rate - Network Service Rate	$/kW	1.9012
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.8635

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

STANDBY DISTRIBUTION 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 Debt Retirement Charge, 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.

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. Further servicing details

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

MONTHLY RATES AND CHARGES - Regulatory Component

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

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. Further

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

MONTHLY RATES AND CHARGES - Regulatory Component

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

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

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	

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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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 - 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.

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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	$	43.63

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

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

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

LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0360
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

ATTACHMENT 37
CUSTOMER BILL IMPACTS
ENERSOURCE RZ

INCENTIVE REGULATION MODEL FOR 2019 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 page 9 of the Filing Requirements For Electricity Distribution Rate Applications issued July 14, 2016.**

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

Note:
1. For those classes that are not eligible for the RPP price, the weighted average price including Class B GA through end of February 2017 of $0.1058/kWh (IESO's Monthly Market Report for February 2017, 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.

Table 1

RATE CLASSES / CATEGORIES ***(eg: Residential TOU, Residential Retailer)***	**Units**	**RPP? Non-RPP Retailer? Non-RPP Other?**	**Current Loss Factor**	**Proposed Loss Factor**	**Consumption (kWh)**	**Demand kW (if applicable)**	**RTSR**	**Billing Determinant Applied to Fixed Charge for Unmetered Classes (e.g. # of devices/connections)**
RESIDENTIAL SERVICE CLASSIFICATION	kWh	RPP	1.0360	1.0360	750		N/A	
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	RPP	1.0360	1.0360	2,000		N/A	
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0360	1.0360	100,000	230	DEMAND	
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0360	1.0360	400,000	2,250	DEMAND	
LARGE USE SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0145	1.0145	3,000,000	5,000	DEMAND	
STANDBY POWER SERVICE CLASSIFICATION	kW		1.0360	1.0360	-	-	DEMAND	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	RPP	1.0360	1.0360	300		N/A	
STREET LIGHTING SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0360	1.0360	33	0	DEMAND	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0360	1.0360	750		N/A	
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0360	1.0360	2,000		N/A	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0360	1.0360	300		N/A	
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0360	1.0360	100,000	230	DEMAND - INTERVAL	
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0360	1.0360	400,000	2,250	DEMAND - INTERVAL	
LARGE USE SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0145	1.0145	3,000,000	5,000	DEMAND - INTERVAL	
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								

Table 2

RATE CLASSES / CATEGORIES *(eg: Residential TOU, Residential Retailer)*	Units	Sub-Total						Total	
		A		B		C		A + B + C	
		$	%	$	%	$	%	$	%
RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	$ (0.15)	-0.58%	$ (0.44)	-1.60%	$ (0.36)	-0.94%	$ (0.38)	-0.35%
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION - RPP	kWh	$ 0.53	0.72%	$ (0.25)	-0.32%	$ (0.05)	-0.05%	$ (14.75)	-4.81%
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 49.19	3.80%	$ 189.93	15.81%	$ 202.63	8.40%	$ (562.03)	-3.49%
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 197.51	2.56%	$ 517.47	7.46%	$ 638.74	3.46%	$ (2,442.22)	-3.28%
LARGE USE SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 234.64	0.77%	$ (815.36)	-2.83%	$ (527.86)	-0.94%	$ (24,326.48)	-5.32%
STANDBY POWER SERVICE CLASSIFICATION -	kW	$ -	0.00%	$ -	0.00%	$ -	0.00%	$ -	0.00%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - RPP	kWh	$ -	0.00%	$ (0.12)	-0.77%	$ (0.09)	-0.45%	$ (2.30)	-4.61%
STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ (0.37)	67.17%	$ (0.33)	70.19%	$ (0.33)	337.92%	$ (0.63)	-15.06%
RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	$ (0.15)	-0.58%	$ 0.84	3.03%	$ 0.91	2.36%	$ 0.96	0.76%
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	$ 0.53	0.72%	$ 3.15	3.97%	$ 3.35	3.15%	$ (11.18)	-3.17%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	$ -	0.00%	$ 0.39	2.56%	$ 0.42	2.18%	$ (1.90)	-3.12%
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ -	0.00%	$ -	0.00%	$ -	0.00%	$ -	0.00%
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ -	0.00%	$ -	0.00%	$ -	0.00%	$ -	0.00%
LARGE USE SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 234.64	0.77%	$ (815.36)	-2.83%	$ (527.86)	-0.94%	$ (24,326.48)	-5.32%
	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	$ 21.61	1	$ 21.61	$ 24.18	1	$ 24.18	$ 2.57	11.89%
Distribution Volumetric Rate	$ 0.0035	750	$ 2.63	$ -	750	$ -	$ (2.63)	-100.00%
Fixed Rate Riders	$ 0.93	1	$ 0.93	$ 0.69	1	$ 0.69	$ (0.24)	-25.81%
Volumetric Rate Riders	-$ 0.0002	750	$ (0.15)	$ -	750	$ -	$ 0.15	-100.00%
Sub-Total A (excluding pass through)			$ 25.02			$ 24.87	**$ (0.15)**	**-0.58%**
Line Losses on Cost of Power	$ 0.0820	27	$ 2.21	$ 0.0820	27	$ 2.21	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0008	750	$ (0.56)	-$ 0.00114	750	$ (0.86)	$ (0.29)	52.00%
GA Rate Riders								
Low Voltage Service Charge	$ 0.0002	750	$ 0.15	$ 0.0002	750	$ 0.15	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			**$ 27.39**			**$ 26.95**	**$ (0.44)**	**-1.60%**
RTSR - Network	$ 0.0076	750	$ 5.70	$ 0.0076	750	$ 5.70	$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0071	750	$ 5.33	$ 0.0072	750	$ 5.40	$ 0.07	1.41%
Sub-Total C - Delivery (including Sub-Total B)			**$ 38.41**			**$ 38.05**	**$ (0.36)**	**-0.94%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	777	$ 2.80	$ 0.0036	777	$ 2.80	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	777	$ 0.23	$ 0.0003	777	$ 0.23	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Debt Retirement Charge (DRC)								
TOU - Off Peak	$ 0.0650	488	$ 31.69	$ 0.0650	488	$ 31.69	$ -	0.00%
TOU - Mid Peak	$ 0.0940	128	$ 11.99	$ 0.0940	128	$ 11.99	$ -	0.00%
TOU - On Peak	$ 0.1320	135	$ 17.82	$ 0.1320	135	$ 17.82	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	750	$ 77.85	$ 0.1038	750	$ 77.85	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	750	$ 77.85	$ 0.1038	750	$ 77.85	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 103.18**			**$ 102.82**	**$ (0.36)**	**-0.35%**
HST	13%		$ 13.41	13%		$ 13.37	$ (0.05)	-0.35%
Total Bill on TOU (before 8% Provincial Rebate)			**$ 116.60**			**$ 116.19**	**$ (0.41)**	**-0.35%**
8% Provincial Rebate	-8%		$ (8.25)	-8%		$ (8.23)	$ 0.03	-0.35%
Total Bill on TOU			**$ 108.34**			**$ 107.96**	**$ (0.38)**	**-0.35%**
Total Bill on Non-RPP Avg. Price			**$ 119.54**			**$ 119.18**	**$ (0.36)**	**-0.30%**
HST	13%		$ 15.54	13%		$ 15.49	$ (0.05)	-0.30%
Provincial Rebate	-8%		$ (9.56)	-8%		$ (9.53)	$ 0.03	-0.30%
Total Bill on Non-RPP Avg. Price			**$ 125.52**			**$ 125.14**	**$ (0.38)**	**-0.30%**
Total Bill on Average IESO Wholesale Market Price			**$ 119.54**			**$ 119.18**	**$ (0.36)**	**-0.30%**
HST	13%		$ 15.54	13%		$ 15.49	$ (0.05)	-0.30%
Provincial Rebate	-8%		$ (9.56)	-8%		$ (9.53)	$ 0.03	-0.30%
Total Bill on Average IESO Wholesale Market Price			**$ 125.52**			**$ 125.14**	**$ (0.38)**	**-0.30%**

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	$ 43.99	1	$ 43.99	$ 44.39	1	$ 44.39	$ 0.40	0.91%
Distribution Volumetric Rate	$ 0.0128	2000	$ 25.60	$ 0.0129	2000	$ 25.80	$ 0.20	0.78%
Fixed Rate Riders	$ 1.74	1	$ 1.74	$ 1.27	1	$ 1.27	$ (0.47)	-27.01%
Volumetric Rate Riders	$ 0.0010	2000	$ 2.00	$ 0.0012	2000	$ 2.40	$ 0.40	20.00%
Sub-Total A (excluding pass through)			$ 73.33			$ 73.86	**$ 0.53**	**0.72%**
Line Losses on Cost of Power	$ 0.0820	72	$ 5.90	$ 0.0820	72	$ 5.90	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0008	2,000	$ (1.50)	-$ 0.00114	2,000	$ (2.28)	$ (0.78)	52.00%
GA Rate Riders								
Low Voltage Service Charge	$ 0.0002	2,000	$ 0.40	$ 0.0002	2,000	$ 0.40	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			**$ 78.70**			**$ 78.45**	**$ (0.25)**	**-0.32%**
RTSR - Network	$ 0.0071	2,000	$ 14.20	$ 0.0071	2,000	$ 14.20	$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0064	2,000	$ 12.80	$ 0.0065	2,000	$ 13.00	$ 0.20	1.56%
Sub-Total C - Delivery (including Sub-Total B)			**$ 105.70**			**$ 105.65**	**$ (0.05)**	**-0.05%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	2,072	$ 7.46	$ 0.0036	2,072	$ 7.46	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	2,072	$ 0.62	$ 0.0003	2,072	$ 0.62	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Debt Retirement Charge (DRC)	$ 0.0070	2,000	$ 14.00	$ -	2,000	$ -	$ (14.00)	-100.00%
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	$ 0.1320	360	$ 47.52	$ 0.1320	360	$ 47.52	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	2,000	$ 207.60	$ 0.1038	2,000	$ 207.60	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	2,000	$ 207.60	$ 0.1038	2,000	$ 207.60	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 292.01**			**$ 277.96**	**$ (14.05)**	**-4.81%**
HST	13%		$ 37.96	13%		$ 36.14	$ (1.83)	-4.81%
Total Bill on TOU (before 8% Provincial Rebate)			$ 329.98			$ 314.10	$ (15.88)	-4.81%
8% Provincial Rebate	-8%		$ (23.36)	-8%		$ (22.24)	$ 1.12	-4.81%
Total Bill on TOU			**$ 306.61**			**$ 291.86**	**$ (14.75)**	**-4.81%**
Total Bill on Non-RPP Avg. Price			**$ 335.63**			**$ 321.58**	**$ (14.05)**	**-4.19%**
HST	13%		$ 43.63	13%		$ 41.81	$ (1.83)	-4.19%
Provincial Rebate	-8%		$ (26.85)	-8%		$ (25.73)	$ 1.12	-4.19%
Total Bill on Non-RPP Avg. Price			**$ 352.42**			**$ 337.66**	**$ (14.75)**	**-4.19%**
Total Bill on Average IESO Wholesale Market Price			**$ 335.63**			**$ 321.58**	**$ (14.05)**	**-4.19%**
HST	13%		$ 43.63	13%		$ 41.81	$ (1.83)	-4.19%
Provincial Rebate	-8%		$ (26.85)	-8%		$ (25.73)	$ 1.12	-4.19%
Total Bill on Average IESO Wholesale Market Price			**$ 352.42**			**$ 337.66**	**$ (14.75)**	**-4.19%**

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	$ 77.48	1	$ 77.48	$ 78.18	1	$ 78.18	$ 0.70	0.90%
Distribution Volumetric Rate	$ 4.6629	230	$ 1,072.47	$ 4.7049	230	$ 1,082.13	$ 9.66	0.90%
Fixed Rate Riders	$ 5.28	1	$ 5.28	$ 2.23	1	$ 2.23	$ (3.05)	-57.77%
Volumetric Rate Riders	$ 0.6056	230	$ 139.29	$ 0.7877	230	$ 181.17	$ 41.88	30.07%
Sub-Total A (excluding pass through)			$ 1,294.52			$ 1,343.71	**$ 49.19**	**3.80%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	-$ 0.2694	230	$ (61.95)	-$ 0.39659	230	$ (91.22)	$ (29.26)	47.23%
GA Rate Riders	-$ 0.0005	100,000	$ (50.00)	$ 0.0012	100,000	$ 120.00	$ 170.00	-340.00%
Low Voltage Service Charge	$ 0.0802	230	$ 18.45	$ 0.0802	230	$ 18.45	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 1,201.01**			**$ 1,390.94**	**$ 189.93**	**15.81%**
RTSR - Network	$ 2.7325	230	$ 628.48	$ 2.7453	230	$ 631.42	$ 2.94	0.47%
RTSR - Connection and/or Line and Transformation Connection	$ 2.5347	230	$ 582.98	$ 2.5771	230	$ 592.73	$ 9.75	1.67%
Sub-Total C - Delivery (including Sub-Total B)			**$ 2,412.46**			**$ 2,615.09**	**$ 202.63**	**8.40%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	103,600	$ 372.96	$ 0.0036	103,600	$ 372.96	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	103,600	$ 31.08	$ 0.0003	103,600	$ 31.08	$ -	0.00%
Standard Supply Service Charge	$ 0.25		$ -	$ 0.25		$ -	$ -	
Debt Retirement Charge (DRC)	$ 0.0070	100,000	$ 700.00	$ -	100,000	$ -	$ (700.00)	-100.00%
TOU - Off Peak	$ 0.0650	67,340	$ 4,377.10	$ 0.0650	67,340	$ 4,377.10	$ -	0.00%
TOU - Mid Peak	$ 0.0940	17,612	$ 1,655.53	$ 0.0940	17,612	$ 1,655.53	$ -	0.00%
TOU - On Peak	$ 0.1320	18,648	$ 2,461.54	$ 0.1320	18,648	$ 2,461.54	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	103,600	$ 10,753.68	$ 0.1038	103,600	$ 10,753.68	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	103,600	$ 10,753.68	$ 0.1038	103,600	$ 10,753.68	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 12,010.67**			**$ 11,513.29**	**$ (497.37)**	**-4.14%**
HST	13%		$ 1,561.39	13%		$ 1,496.73	$ (64.66)	-4.14%
8% Provincial Rebate	-8%		$ (960.85)	-8%		$ (921.06)	$ 39.79	-4.14%
Total Bill on TOU			**$ 12,611.20**			**$ 12,088.96**	**$ (522.24)**	**-4.14%**
Total Bill on Non-RPP Avg. Price			**$ 14,270.18**			**$ 13,772.81**	**$ (497.37)**	**-3.49%**
HST	13%		$ 1,855.12	13%		$ 1,790.47	$ (64.66)	-3.49%
8% Provincial Rebate	-8%		$ (1,141.61)	-8%		$ (1,101.82)	$ 39.79	-3.49%
Total Bill on Non-RPP Avg. Price			**$ 14,983.69**			**$ 14,461.45**	**$ (522.24)**	**-3.49%**
Total Bill on Average IESO Wholesale Market Price			**$ 14,270.18**			**$ 13,772.81**	**$ (497.37)**	**-3.49%**
HST	13%		$ 1,855.12	13%		$ 1,790.47	$ (64.66)	-3.49%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			$ 16,125.31			$ 15,563.28	$ (562.03)	-3.49%
8% Provincial Rebate	0%		$ -	0%		$ -	$ -	
Total Bill on Average IESO Wholesale Market Price			**$ 16,125.31**			**$ 15,563.28**	**$ (562.03)**	**-3.49%**

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	**$ 1,764.42**	1	$ 1,764.42	**$ 1,780.30**	1	$ 1,780.30	$ 15.88	0.90%
Distribution Volumetric Rate	**$ 2.3994**	2250	$ 5,398.65	**$ 2.4210**	2250	$ 5,447.25	$ 48.60	0.90%
Fixed Rate Riders	**$ 71.83**	1	$ 71.83	**$ 50.74**	1	$ 50.74	$ (21.09)	-29.36%
Volumetric Rate Riders	**$ 0.2166**	2250	$ 487.35	**$ 0.2851**	2250	$ 641.48	$ 154.13	31.63%
Sub-Total A (excluding pass through)			$ 7,722.25			$ 7,919.77	**$ 197.51**	**2.56%**
Line Losses on Cost of Power	**$ -**	-	$ -	**$ -**	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	**-$ 0.3393**	2,250	$ (763.40)	**-$ 0.49931**	2,250	$ (1,123.45)	$ (360.05)	47.16%
GA Rate Riders	**-$ 0.0005**	400,000	$ (200.00)	**$ 0.0012**	400,000	$ 480.00	$ 680.00	-340.00%
Low Voltage Service Charge	**$ 0.0784**	2,250	$ 176.40	**$ 0.0784**	2,250	$ 176.40	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	**$ -**	1	$ -	**$ -**	1	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 6,935.25**			**$ 7,452.72**	**$ 517.47**	**7.46%**
RTSR - Network	**$ 2.6436**	2,250	$ 5,948.10	**$ 2.6560**	2,250	$ 5,976.00	$ 27.90	0.47%
RTSR - Connection and/or Line and Transformation Connection	**$ 2.4803**	2,250	$ 5,580.68	**$ 2.5218**	2,250	$ 5,674.05	$ 93.37	1.67%
Sub-Total C - Delivery (including Sub-Total B)			**$ 18,464.02**			**$ 19,102.77**	**$ 638.74**	**3.46%**
Wholesale Market Service Charge (WMSC)	**$ 0.0036**	414,400	$ 1,491.84	**$ 0.0036**	414,400	$ 1,491.84	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	**$ 0.0003**	414,400	$ 124.32	**$ 0.0003**	414,400	$ 124.32	$ -	0.00%
Standard Supply Service Charge	**$ 0.25**		$ -	**$ 0.25**		$ -	$ -	
Debt Retirement Charge (DRC)	**$ 0.0070**	400,000	$ 2,800.00	**$ -**	400,000	$ -	$ (2,800.00)	-100.00%
TOU - Off Peak	**$ 0.0650**	269,360	$ 17,508.40	**$ 0.0650**	269,360	$ 17,508.40	$ -	0.00%
TOU - Mid Peak	**$ 0.0940**	70,448	$ 6,622.11	**$ 0.0940**	70,448	$ 6,622.11	$ -	0.00%
TOU - On Peak	**$ 0.1320**	74,592	$ 9,846.14	**$ 0.1320**	74,592	$ 9,846.14	$ -	0.00%
Non-RPP Retailer Avg. Price	**$ 0.1038**	414,400	$ 43,014.72	**$ 0.1038**	414,400	$ 43,014.72	$ -	0.00%
Average IESO Wholesale Market Price	**$ 0.1038**	414,400	$ 43,014.72	**$ 0.1038**	414,400	$ 43,014.72	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 56,856.84**			**$ 54,695.58**	**$ (2,161.26)**	**-3.80%**
HST	13%		$ 7,391.39	13%		$ 7,110.43	$ (280.96)	-3.80%
8% Provincial Rebate	-8%		$ (4,548.55)	-8%		$ (4,375.65)	$ 172.90	-3.80%
Total Bill on TOU			**$ 59,699.68**			**$ 57,430.36**	**$ (2,269.32)**	**-3.80%**
Total Bill on Non-RPP Avg. Price			**$ 65,894.90**			**$ 63,733.65**	**$ (2,161.26)**	**-3.28%**
HST	13%		$ 8,566.34	13%		$ 8,285.37	$ (280.96)	-3.28%
8% Provincial Rebate	-8%		$ (5,271.59)	-8%		$ (5,098.69)	$ 172.90	-3.28%
Total Bill on Non-RPP Avg. Price			**$ 69,189.65**			**$ 66,920.33**	**$ (2,269.32)**	**-3.28%**
Total Bill on Average IESO Wholesale Market Price			**$ 65,894.90**			**$ 63,733.65**	**$ (2,161.26)**	**-3.28%**
HST	13%		$ 8,566.34	13%		$ 8,285.37	$ (280.96)	-3.28%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			$ 74,461.24			$ 72,019.02	$ (2,442.22)	-3.28%
8% Provincial Rebate	0%		$ -	0%		$ -	$ -	
Total Bill on Average IESO Wholesale Market Price			**$ 74,461.24**			**$ 72,019.02**	**$ (2,442.22)**	**-3.28%**

Customer Class:	**LARGE USE SERVICE CLASSIFICATION**
RPP / Non-RPP:	**Non-RPP (Other)** **Class A**
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	**$ 13,911.73**	1	$ 13,911.73	**$ 14,036.94**	1	$ 14,036.94	$ 125.21	0.90%
Distribution Volumetric Rate	**$ 2.9782**	5000	$ 14,891.00	**$ 3.0050**	5000	$ 15,025.00	$ 134.00	0.90%
Fixed Rate Riders	**$ 703.18**	1	$ 703.18	**$ 400.11**	1	$ 400.11	$ (303.07)	-43.10%
Volumetric Rate Riders	**$ 0.1820**	5000	$ 910.00	**$ 0.2377**	5000	$ 1,188.50	$ 278.50	30.60%
Sub-Total A (excluding pass through)			$ 30,415.91			$ 30,650.55	**$ 234.64**	**0.77%**
Line Losses on Cost of Power	**$ -**	-	$ -	**$ -**	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	**-$ 0.4054**	5,000	$ (2,027.00)	**-$ 0.61540**	5,000	$ (3,077.00)	$ (1,050.00)	51.80%
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) and/or any fixed ($) Deferral/Variance Account Rate Riders	**$ -**	1	$ -		1	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 28,807.91**			**$ 27,992.55**	**$ (815.36)**	**-2.83%**
RTSR - Network	**$ 2.8211**	5,000	$ 14,105.50	**$ 2.8343**	5,000	$ 14,171.50	$ 66.00	0.47%
RTSR - Connection and/or Line and Transformation Connection	**$ 2.6491**	5,000	$ 13,245.50	**$ 2.6934**	5,000	$ 13,467.00	$ 221.50	1.67%
Sub-Total C - Delivery (including Sub-Total B)			**$ 56,158.91**			**$ 55,631.05**	**$ (527.86)**	**-0.94%**
Wholesale Market Service Charge (WMSC)	**$ 0.0036**	3,043,500	$ 10,956.60	**$ 0.0036**	3,043,500	$ 10,956.60	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	**$ 0.0003**	3,043,500	$ 913.05	**$ 0.0003**	3,043,500	$ 913.05	$ -	0.00%
Standard Supply Service Charge		1	$ -		1	$ -	$ -	
Debt Retirement Charge (DRC)	**$ 0.0070**	3,000,000	$ 21,000.00	**$ -**	3,000,000	$ -	$ (21,000.00)	-100.00%
TOU - Off Peak	**$ 0.0650**	1,978,275	$ 128,587.88	**$ 0.0650**	1,978,275	$ 128,587.88	$ -	0.00%
TOU - Mid Peak	**$ 0.0940**	517,395	$ 48,635.13	**$ 0.0940**	517,395	$ 48,635.13	$ -	0.00%
TOU - On Peak	**$ 0.1320**	547,830	$ 72,313.56	**$ 0.1320**	547,830	$ 72,313.56	$ -	0.00%
Non-RPP Retailer Avg. Price	**$ 0.1038**	3,043,500	$ 315,915.30	**$ 0.1038**	3,043,500	$ 315,915.30	$ -	0.00%
Average IESO Wholesale Market Price	**$ 0.1038**	3,043,500	$ 315,915.30	**$ 0.1038**	3,043,500	$ 315,915.30	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 338,565.13**			**$ 317,037.27**	**$ (21,527.86)**	**-6.36%**
HST	13%		$ 44,013.47	13%		$ 41,214.84	$ (2,798.62)	-6.36%
Total Bill on TOU (before 8% Provincial Rebate)			$ 382,578.59			$ 358,252.11	$ (24,326.48)	-6.36%
8% Provincial Rebate	-8%		$ (27,085.21)	-8%		$ (25,362.98)	$ 1,722.23	-6.36%
Total Bill on TOU			**$ 355,493.38**			**$ 332,889.13**	**$ (22,604.25)**	**-6.36%**
Total Bill on Non-RPP Avg. Price			**$ 404,943.86**			**$ 383,416.00**	**$ (21,527.86)**	**-5.32%**
HST	13%		$ 52,642.70	13%		$ 49,844.08	$ (2,798.62)	-5.32%
Provincial Rebate	-8%		$ (32,395.51)	-8%		$ (30,673.28)	$ 1,722.23	-5.32%
Total Bill on Non-RPP Avg. Price			**$ 425,191.05**			**$ 402,586.80**	**$ (22,604.25)**	**-5.32%**
Total Bill on Average IESO Wholesale Market Price			**$ 404,943.86**			**$ 383,416.00**	**$ (21,527.86)**	**-5.32%**
HST	13%		$ 52,642.70	13%		$ 49,844.08	$ (2,798.62)	-5.32%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			**$ 457,586.56**			**$ 433,260.08**	**$ (24,326.48)**	**-5.32%**
8% Provincial Rebate	0%		$ -	0%		$ -	$ -	
Total Bill on Average IESO Wholesale Market Price			**$ 457,586.56**			**$ 433,260.08**	**$ (24,326.48)**	**-5.32%**

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	$ 9.08	1	$ 9.08	$ 9.16	1	$ 9.16	$ 0.08	0.88%
Distribution Volumetric Rate	$ 0.0165	300	$ 4.95	$ 0.0166	300	$ 4.98	$ 0.03	0.61%
Fixed Rate Riders	$ 0.34	1	$ 0.34	$ 0.26	1	$ 0.26	$ (0.08)	-23.53%
Volumetric Rate Riders	$ 0.0005	300	$ 0.15	$ 0.0004	300	$ 0.12	$ (0.03)	-20.00%
Sub-Total A (excluding pass through)			$ 14.52			$ 14.52	**$ -**	**0.00%**
Line Losses on Cost of Power	$ 0.0820	11	$ 0.89	$ 0.0820	11	$ 0.89	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0008	300	$ (0.23)	-$ 0.00114	300	$ (0.34)	$ (0.12)	52.00%
GA Rate Riders			$ -			$ -	$ -	
Low Voltage Service Charge	$ 0.0002	300	$ 0.06	$ 0.0002	300	$ 0.06	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 15.24**			**$ 15.12**	**$ (0.12)**	**-0.77%**
RTSR - Network	$ 0.0071	300	$ 2.13	$ 0.0071	300	$ 2.13	$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0064	300	$ 1.92	$ 0.0065	300	$ 1.95	$ 0.03	1.56%
Sub-Total C - Delivery (including Sub-Total B)			**$ 19.29**			**$ 19.20**	**$ (0.09)**	**-0.45%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	311	$ 1.12	$ 0.0036	311	$ 1.12	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	311	$ 0.09	$ 0.0003	311	$ 0.09	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Debt Retirement Charge (DRC)	$ 0.0070	300	$ 2.10	$ -	300	$ -	$ (2.10)	-100.00%
							$ -	
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	$ 0.1320	54	$ 7.13	$ 0.1320	54	$ 7.13	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	300	$ 31.14	$ 0.1038	300	$ 31.14	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	300	$ 31.14	$ 0.1038	300	$ 31.14	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 47.45**			**$ 45.26**	**$ (2.19)**	**-4.61%**
HST	13%		$ 6.17	13%		$ 5.88	$ (0.28)	-4.61%
Total Bill on TOU (before 8% Provincial Rebate)			$ 53.62			$ 51.15	$ (2.47)	-4.61%
8% Provincial Rebate	-8%		$ (3.80)	-8%		$ (3.62)	$ 0.17	-4.61%
Total Bill on TOU			**$ 49.82**			**$ 47.53**	**$ (2.30)**	**-4.61%**
Total Bill on Non-RPP Avg. Price			**$ 53.99**			**$ 51.81**	**$ (2.19)**	**-4.05%**
HST	13%		$ 7.02	13%		$ 6.73	$ (0.28)	-4.05%
Provincial Rebate	-8%		$ (4.32)	-8%		$ (4.14)	$ 0.17	-4.05%
Total Bill on Non-RPP Avg. Price			**$ 56.69**			**$ 54.40**	**$ (2.30)**	**-4.05%**
Total Bill on Average IESO Wholesale Market Price			**$ 53.99**			**$ 51.81**	**$ (2.19)**	**-4.05%**
HST	13%		$ 7.02	13%		$ 6.73	$ (0.28)	-4.05%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			**$ 61.01**			**$ 58.54**	**$ (2.47)**	**-4.05%**
8% Provincial Rebate	-8%		$ (4.32)	-8%		$ (4.14)	$ 0.17	-4.05%
Total Bill on Average IESO Wholesale Market Price			**$ 56.69**			**$ 54.40**	**$ (2.30)**	**-4.05%**

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	**$ 1.52**	1	$ 1.52	$ 1.53	1	$ 1.53	$ 0.01	0.66%
Distribution Volumetric Rate	**$ 11.6504**	0.1	$ 1.17	$ 11.7553	0.1	$ 1.18	$ 0.01	0.90%
Fixed Rate Riders	**$ 0.06**	1	$ 0.06	$ 0.05	1	$ 0.05	$ (0.01)	-16.67%
Volumetric Rate Riders	**-$ 32.9857**	0.1	$ (3.30)	-$ 36.8089	0.1	$ (3.68)	$ (0.38)	11.59%
Sub-Total A (excluding pass through)			$ (0.55)			$ (0.93)	**$ (0.37)**	**67.17%**
Line Losses on Cost of Power	**$ 0.1038**	1	$ 0.12	$ 0.1038	1	$ 0.12	$ -	0.00%
Total Deferral/Variance Account Rate Riders	**-$ 0.2782**	0	$ (0.03)	-$ 0.41107	0	$ (0.04)	$ (0.01)	47.79%
GA Rate Riders	**-$ 0.0005**	33	$ (0.02)	$ 0.0012	33	$ 0.04	$ 0.06	-340.00%
Low Voltage Service Charge	**$ 0.0580**	0	$ 0.01	$ 0.0580	0	$ 0.01	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	**$ -**	1	$ -	$ -	1	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ (0.47)**			**$ (0.80)**	**$ (0.33)**	**70.19%**
RTSR - Network	**$ 1.8924**	0	$ 0.19	$ 1.9012	0	$ 0.19	$ 0.00	0.47%
RTSR - Connection and/or Line and Transformation Connection	**$ 1.8329**	0	$ 0.18	$ 1.8635	0	$ 0.19	$ 0.00	1.67%
Sub-Total C - Delivery (including Sub-Total B)			**$ (0.10)**			**$ (0.42)**	**$ (0.33)**	**337.92%**
Wholesale Market Service Charge (WMSC)	**$ 0.0036**	34	$ 0.12	$ 0.0036	34	$ 0.12	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	**$ 0.0003**	34	$ 0.01	$ 0.0003	34	$ 0.01	$ -	0.00%
Standard Supply Service Charge	**$ 0.25**		$ -	$ 0.25		$ -	$ -	
Debt Retirement Charge (DRC)	**$ 0.0070**	33	$ 0.23	$ -	33	$ -	$ (0.23)	-100.00%
							$ -	
TOU - Off Peak	**$ 0.0650**	21	$ 1.39	$ 0.0650	21	$ 1.39	$ -	0.00%
TOU - Mid Peak	**$ 0.0940**	6	$ 0.53	$ 0.0940	6	$ 0.53	$ -	0.00%
TOU - On Peak	**$ 0.1320**	6	$ 0.78	$ 0.1320	6	$ 0.78	$ -	0.00%
Non-RPP Retailer Avg. Price	**$ 0.1038**	33	$ 3.43	$ 0.1038	33	$ 3.43	$ -	0.00%
Average IESO Wholesale Market Price	**$ 0.1038**	33	$ 3.43	$ 0.1038	33	$ 3.43	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 2.97**			**$ 2.42**	**$ (0.56)**	**-18.70%**
HST	13%		$ 0.39	13%		$ 0.31	$ (0.07)	-18.70%
Provincial Rebate	-8%		$ (0.24)	-8%		$ (0.19)	$ 0.04	-18.70%
Total Bill on TOU			**$ 3.12**			**$ 2.54**	**$ (0.58)**	**-18.70%**
Total Bill on Non-RPP Avg. Price			**$ 3.69**			**$ 3.14**	**$ (0.56)**	**-15.06%**
HST	13%		$ 0.48	13%		$ 0.41	$ (0.07)	-15.06%
Provincial Rebate	-8%		$ (0.30)	-8%		$ (0.25)	$ 0.04	-15.06%
Total Bill on Non-RPP Avg. Price			**$ 3.88**			**$ 3.29**	**$ (0.58)**	**-15.06%**
Total Bill on Average IESO Wholesale Market Price			**$ 3.69**			**$ 3.14**	**$ (0.56)**	**-15.06%**
HST	13%		$ 0.48	13%		$ 0.41	$ (0.07)	-15.06%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			$ 4.17			$ 3.55	$ (0.63)	-15.06%
8% Provincial Rebate	0%		$ -	0%		$ -	$ -	
Total Bill on Average IESO Wholesale Market Price			**$ 4.17**			**$ 3.55**	**$ (0.63)**	**-15.06%**

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
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	$ 21.61	1	$ 21.61	$ 24.18	1	$ 24.18	$ 2.57	11.89%
Distribution Volumetric Rate	$ 0.0035	750	$ 2.63	$ -	750	$ -	$ (2.63)	-100.00%
Fixed Rate Riders	$ 0.93	1	$ 0.93	$ 0.69	1	$ 0.69	$ (0.24)	-25.81%
Volumetric Rate Riders	-$ 0.0002	750	$ (0.15)	$ -	750	$ -	$ 0.15	-100.00%
Sub-Total A (excluding pass through)			$ 25.02			$ 24.87	**$ (0.15)**	**-0.58%**
Line Losses on Cost of Power	$ 0.1038	27	$ 2.80	$ 0.1038	27	$ 2.80	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0008	750	$ (0.56)	-$ 0.00114	750	$ (0.86)	$ (0.29)	52.00%
GA Rate Riders	-$ 0.0005	750	$ (0.38)	$ 0.0012	750	$ 0.90	$ 1.28	-340.00%
Low Voltage Service Charge	$ 0.0002	750	$ 0.15	$ 0.0002	750	$ 0.15	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			**$ 27.60**			**$ 28.44**	**$ 0.84**	**3.03%**
RTSR - Network	$ 0.0076	750	$ 5.70	$ 0.0076	750	$ 5.70	$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0071	750	$ 5.33	$ 0.0072	750	$ 5.40	$ 0.07	1.41%
Sub-Total C - Delivery (including Sub-Total B)			**$ 38.63**			**$ 39.54**	**$ 0.91**	**2.36%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	777	$ 2.80	$ 0.0036	777	$ 2.80	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	777	$ 0.23	$ 0.0003	777	$ 0.23	$ -	0.00%
Standard Supply Service Charge	$ 0.25		$ -	$ 0.25		$ -	$ -	
Debt Retirement Charge (DRC)	$ 0.0070		$ -	$ -		$ -	$ -	
							$ -	
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	$ 0.1320	135	$ 17.82	$ 0.1320	135	$ 17.82	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	750	$ 77.85	$ 0.1038	750	$ 77.85	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	750	$ 77.85	$ 0.1038	750	$ 77.85	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 103.15**			**$ 104.06**	**$ 0.91**	**0.88%**
HST	13%		$ 13.41	13%		$ 13.53	$ 0.12	0.88%
Total Bill on TOU (before 8% Provincial Rebate)			**$ 116.56**			**$ 117.59**	**$ 1.03**	**0.88%**
8% Provincial Rebate	-8%		$ (8.25)	-8%		$ (8.32)	$ (0.07)	0.88%
Total Bill on TOU			**$ 108.31**			**$ 109.26**	**$ 0.96**	**0.88%**
Total Bill on Non-RPP Avg. Price			**$ 119.51**			**$ 120.42**	**$ 0.91**	**0.76%**
HST	13%		$ 15.54	13%		$ 15.65	$ 0.12	0.76%
Total Bill on Non-RPP Avg. price (before 8% Provincial Rebate)			$ 135.04			$ 136.07	$ 1.03	0.76%
Provincial Rebate	-8%		$ (9.56)	-8%		$ (9.63)	$ (0.07)	0.76%
Total Bill on Non-RPP Avg. Price			**$ 125.48**			**$ 126.44**	**$ 0.96**	**0.76%**
Total Bill on Average IESO Wholesale Market Price			**$ 119.51**			**$ 120.42**	**$ 0.91**	**0.76%**
HST	13%		$ 15.54	13%		$ 15.65	$ 0.12	0.76%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			**$ 135.04**			**$ 136.07**	**$ 1.03**	**0.76%**
8% Provincial Rebate	-8%		$ (9.56)	-8%		$ (9.63)	$ (0.07)	0.76%
Total Bill on Average IESO Wholesale Market Price			**$ 125.48**			**$ 126.44**	**$ 0.96**	**0.76%**

Customer Class:	GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Retailer)
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	$ 43.99	1	$ 43.99	$ 44.39	1	$ 44.39	$ 0.40	0.91%
Distribution Volumetric Rate	$ 0.0128	2000	$ 25.60	$ 0.0129	2000	$ 25.80	$ 0.20	0.78%
Fixed Rate Riders	$ 1.74	1	$ 1.74	$ 1.27	1	$ 1.27	$ (0.47)	-27.01%
Volumetric Rate Riders	$ 0.0010	2000	$ 2.00	$ 0.0012	2000	$ 2.40	$ 0.40	20.00%
Sub-Total A (excluding pass through)			$ 73.33			$ 73.86	**$ 0.53**	**0.72%**
Line Losses on Cost of Power	$ 0.1038	72	$ 7.47	$ 0.1038	72	$ 7.47	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0008	2,000	$ (1.50)	-$ 0.00114	2,000	$ (2.28)	$ (0.78)	52.00%
GA Rate Riders	-$ 0.0005	2,000	$ (1.00)	$ 0.0012	2,000	$ 2.40	$ 3.40	-340.00%
Low Voltage Service Charge	$ 0.0002	2,000	$ 0.40	$ 0.0002	2,000	$ 0.40	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			**$ 79.27**			**$ 82.42**	**$ 3.15**	**3.97%**
RTSR - Network	$ 0.0071	2,000	$ 14.20	$ 0.0071	2,000	$ 14.20	$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0064	2,000	$ 12.80	$ 0.0065	2,000	$ 13.00	$ 0.20	1.56%
Sub-Total C - Delivery (including Sub-Total B)			**$ 106.27**			**$ 109.62**	**$ 3.35**	**3.15%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	2,072	$ 7.46	$ 0.0036	2,072	$ 7.46	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	2,072	$ 0.62	$ 0.0003	2,072	$ 0.62	$ -	0.00%
Standard Supply Service Charge	$ 0.25		$ -	$ 0.25		$ -	$ -	
Debt Retirement Charge (DRC)	$ 0.0070	2,000	$ 14.00	$ -	2,000	$ -	$ (14.00)	-100.00%
							$ -	
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	$ 0.1320	360	$ 47.52	$ 0.1320	360	$ 47.52	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	2,000	$ 207.60	$ 0.1038	2,000	$ 207.60	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	2,000	$ 207.60	$ 0.1038	2,000	$ 207.60	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 292.33**			**$ 281.68**	**$ (10.65)**	**-3.64%**
HST	13%		$ 38.00	13%		$ 36.62	$ (1.38)	-3.64%
Provincial Rebate	-8%		$ (23.39)	-8%		$ (22.53)	$ 0.85	-3.64%
Total Bill on TOU			**$ 306.95**			**$ 295.77**	**$ (11.18)**	**-3.64%**
Total Bill on Non-RPP Avg. Price			**$ 335.95**			**$ 325.30**	**$ (10.65)**	**-3.17%**
HST	13%		$ 43.67	13%		$ 42.29	$ (1.38)	-3.17%
Total Bill on Non-RPP Avg. Price (before 8% Provincial Rebate)			**$ 379.63**			**$ 367.59**	**$ (12.03)**	**-3.17%**
8% Provincial Rebate	-8%		$ (26.88)	-8%		$ (26.02)	$ 0.85	-3.17%
Total Bill on Non-RPP Avg. Price			**$ 352.75**			**$ 341.57**	**$ (11.18)**	**-3.17%**
Total Bill on Average IESO Wholesale Market Price			**$ 335.95**			**$ 325.30**	**$ (10.65)**	**-3.17%**
HST	13%		$ 43.67	13%		$ 42.29	$ (1.38)	-3.17%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			$ 379.63			$ 367.59	$ (12.03)	-3.17%
8% Provincial Rebate	-8%		$ (26.88)	-8%		$ (26.02)	$ 0.85	-3.17%
Total Bill on Average IESO Wholesale Market Price			**$ 352.75**			**$ 341.57**	**$ (11.18)**	**-3.17%**

Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Retailer)
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	$ 9.08	1	$ 9.08	$ 9.16	1	$ 9.16	$ 0.08	0.88%
Distribution Volumetric Rate	$ 0.0165	300	$ 4.95	$ 0.0166	300	$ 4.98	$ 0.03	0.61%
Fixed Rate Riders	$ 0.34	1	$ 0.34	$ 0.26	1	$ 0.26	$ (0.08)	-23.53%
Volumetric Rate Riders	$ 0.0005	300	$ 0.15	$ 0.0004	300	$ 0.12	$ (0.03)	-20.00%
Sub-Total A (excluding pass through)			$ 14.52			$ 14.52	**$ -**	**0.00%**
Line Losses on Cost of Power	$ 0.1038	11	$ 1.12	$ 0.1038	11	$ 1.12	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0008	300	$ (0.23)	-$ 0.00114	300	$ (0.34)	$ (0.12)	52.00%
GA Rate Riders	-$ 0.0005	300	$ (0.15)	$ 0.0012	300	$ 0.36	$ 0.51	-340.00%
Low Voltage Service Charge	$ 0.0002	300	$ 0.06	$ 0.0002	300	$ 0.06	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	$ 0.57		$ -	$ 0.57		$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 15.33**			**$ 15.72**	**$ 0.39**	**2.56%**
RTSR - Network	$ 0.0071	300	$ 2.13	$ 0.0071	300	$ 2.13	$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0064	300	$ 1.92	$ 0.0065	300	$ 1.95	$ 0.03	1.56%
Sub-Total C - Delivery (including Sub-Total B)			**$ 19.38**			**$ 19.80**	**$ 0.42**	**2.18%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	311	$ 1.12	$ 0.0036	311	$ 1.12	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	311	$ 0.09	$ 0.0003	311	$ 0.09	$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)	$ 0.0070	300	$ 2.10	$ -	300	$ -	$ (2.10)	-100.00%
							$ -	
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	$ 0.1320	54	$ 7.13	$ 0.1320	54	$ 7.13	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	300	$ 31.14	$ 0.1038	300	$ 31.14	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	300	$ 31.14	$ 0.1038	300	$ 31.14	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 47.29**			**$ 45.61**	**$ (1.68)**	**-3.55%**
HST	13%		$ 6.15	13%		$ 5.93	$ (0.22)	-3.55%
Provincial Rebate	-8%		$ (3.78)	-8%		$ (3.65)	$ 0.13	-3.55%
Total Bill on TOU			**$ 49.65**			**$ 47.89**	**$ (1.76)**	**-3.55%**
Total Bill on Non-RPP Avg. Price			**$ 53.83**			**$ 52.15**	**$ (1.68)**	**-3.12%**
HST	13%		$ 7.00	13%		$ 6.78	$ (0.22)	-3.12%
Total Bill on Non-RPP Avg. Price (before 8% Provincial Rebate)			**$ 60.83**			**$ 58.93**	**$ (1.90)**	**-3.12%**
8% Provincial Rebate			$ -	0%		$ -	$ -	
Total Bill on Non-RPP Avg. Price			**$ 60.83**			**$ 58.93**	**$ (1.90)**	**-3.12%**
Total Bill on Average IESO Wholesale Market Price			**$ 53.83**			**$ 52.15**	**$ (1.68)**	**-3.12%**
HST	13%		$ 7.00	13%		$ 6.78	$ (0.22)	-3.12%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			$ 60.83			$ 58.93	$ (1.90)	-3.12%
8% Provincial Rebate	-8%		$ (4.31)	-8%		$ (4.17)	$ 0.13	-3.12%
Total Bill on Average IESO Wholesale Market Price			**$ 56.52**			**$ 54.76**	**$ (1.76)**	**-3.12%**

Customer Class:	LARGE USE SERVICE CLASSIFICATION	#REF!
RPP / Non-RPP:	Non-RPP (Other)	Class B
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	$ 13,911.73	1	$ 13,911.73	$ 14,036.94	1	$ 14,036.94	$ 125.21	0.90%
Distribution Volumetric Rate	$ 2.9782	5000	$ 14,891.00	$ 3.0050	5000	$ 15,025.00	$ 134.00	0.90%
Fixed Rate Riders	$ 703.18	1	$ 703.18	$ 400.11	1	$ 400.11	$ (303.07)	-43.10%
Volumetric Rate Riders	$ 0.1820	5000	$ 910.00	$ 0.2377	5000	$ 1,188.50	$ 278.50	30.60%
Sub-Total A (excluding pass through)			$ 30,415.91			$ 30,650.55	**$ 234.64**	**0.77%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	-$ 0.4054	5,000	$ (2,027.00)	-$ 0.61540	5,000	$ (3,077.00)	$ (1,050.00)	51.80%
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) and/or any fixed ($) Deferral/Variance Account Rate Riders		1	$ -		1	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 28,807.91**			**$ 27,992.55**	**$ (815.36)**	**-2.83%**
RTSR - Network	$ 2.8211	5,000	$ 14,105.50	$ 2.8343	5,000	$ 14,171.50	$ 66.00	0.47%
RTSR - Connection and/or Line and Transformation Connection	$ 2.6491	5,000	$ 13,245.50	$ 2.6934	5,000	$ 13,467.00	$ 221.50	1.67%
Sub-Total C - Delivery (including Sub-Total B)			**$ 56,158.91**			**$ 55,631.05**	**$ (527.86)**	**-0.94%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	3,043,500	$ 10,956.60	$ 0.0036	3,043,500	$ 10,956.60	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	3,043,500	$ 913.05	$ 0.0003	3,043,500	$ 913.05	$ -	0.00%
Standard Supply Service Charge		1	$ -		1	$ -	$ -	
Debt Retirement Charge (DRC)	$ 0.0070	3,000,000	$ 21,000.00	$ -	3,000,000	$ -	$ (21,000.00)	-100.00%
							$ -	
TOU - Off Peak	$ 0.0650	1,978,275	$ 128,587.88	$ 0.0650	1,978,275	$ 128,587.88	$ -	0.00%
TOU - Mid Peak	$ 0.0940	517,395	$ 48,635.13	$ 0.0940	517,395	$ 48,635.13	$ -	0.00%
TOU - On Peak	$ 0.1320	547,830	$ 72,313.56	$ 0.1320	547,830	$ 72,313.56	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	3,043,500	$ 315,915.30	$ 0.1038	3,043,500	$ 315,915.30	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	3,043,500	$ 315,915.30	$ 0.1038	3,043,500	$ 315,915.30	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 338,565.13**			**$ 317,037.27**	**$ (21,527.86)**	**-6.36%**
HST	13%		$ 44,013.47	13%		$ 41,214.84	$ (2,798.62)	-6.36%
Total Bill on TOU (before 8% Provincial Rebate)			$ 382,578.59			$ 358,252.11	$ (24,326.48)	-6.36%
8% Provincial Rebate	-8%		$ (27,085.21)	-8%		$ (25,362.98)	$ 1,722.23	-6.36%
Total Bill on TOU			**$ 355,493.38**			**$ 332,889.13**	**$ (22,604.25)**	**-6.36%**
Total Bill on Non-RPP Avg. Price			**$ 404,943.86**			**$ 383,416.00**	**$ (21,527.86)**	**-5.32%**
HST	13%		$ 52,642.70	13%		$ 49,844.08	$ (2,798.62)	-5.32%
Provincial Rebate	-8%		$ (32,395.51)	-8%		$ (30,673.28)	$ 1,722.23	-5.32%
Total Bill on Non-RPP Avg. Price			**$ 425,191.05**			**$ 402,586.80**	**$ (22,604.25)**	**-5.32%**
Total Bill on Average IESO Wholesale Market Price			**$ 404,943.86**			**$ 383,416.00**	**$ (21,527.86)**	**-5.32%**
HST	13%		$ 52,642.70	13%		$ 49,844.08	$ (2,798.62)	-5.32%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			**$ 457,586.56**			**$ 433,260.08**	**$ (24,326.48)**	**-5.32%**
8% Provincial Rebate			$ -	0%		$ -	$ -	
Total Bill on Average IESO Wholesale Market Price			**$ 457,586.56**			**$ 433,260.08**	**$ (24,326.48)**	**-5.32%**

ATTACHMENT 38
IRM MODEL
ENERSOURCE RZ

Model Specifications

Utility	Alectra - Enersource
Applying for Rates Effective	January 1, 2019
Line Loss Factor	1.0360

Rate Classes (select from the List)

RES	RESIDENTIAL SERVICE CLASSIFICATION
GSL	GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION
GS50_499	GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION
GS500	GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION
LU	LARGE USE SERVICE CLASSIFICATION
SB	STANDBY POWER SERVICE CLASSIFICATION
USL	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION
SL	STREET LIGHTING SERVICE CLASSIFICATION

Have one or more Class A customers	Yes

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Version 1.0

Utility Name	Alectra Utilities - Horizon Utilites Rate Zone
Assigned EB Number	EB-2018-0016
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	Tuesday, January 01, 2019
Rate-Setting Method	**Price Cap IR**
Please indicate in which Rate Year the Group 1 accounts were last cleared[1]	**2018**
Please indicate the last Cost of Service Re-Basing Year	**2013**

Notes

Pale gray cells represent input cells.

Pale blue cells represent drop-down lists.

White cells contain fixed values, automatically generated values or formulae.

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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

EB-2017-0024

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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	21.61
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	0.60
Rate Rider for Recovery of ICM (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$	0.16
Rate Rider for Recovery of 2018 Foregone Revenue - effective until December 31, 2018	$	0.17
Distribution Volumetric Rate	$/kWh	0.0035
Low Voltage Service Rate	$/kWh	0.0002
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 (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) (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	0.0071

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

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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

EB-2017-0024

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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	43.99
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	1.10
Rate Rider for Recovery of ICM (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$	0.29
Rate Rider for Recovery of 2018 Foregone Revenue - effective until December 31, 2018	$	0.35
Distribution Volumetric Rate	$/kWh	0.0128
Low Voltage Service Rate	$/kWh	0.0002
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 (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) (2018) - effective until April 30, 2019	$/kWh	0.0006
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0003
Rate Rider for Recovery of ICM (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	$/kWh	0.0071
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	0.0032
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

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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

EB-2017-0024

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 Debt Retirement Charge, 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	$	77.48
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	1.93
Rate Rider for Recovery of ICM (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$	0.51
Rate Rider for Recovery of 2018 Foregone Revenue - effective until December 31, 2018	$	2.84
Distribution Volumetric Rate	$/kW	4.6629
Low Voltage Service Rate	$/kW	0.0802
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 (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)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Non-WMP Class B Customers	$/kW	(0.01606)
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 Module (2017) - in effect until the effective date of the next cost of service based rate order	$/kW	0.1163
Rate Rider for Recovery of ICM (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$/kW	0.0308
Retail Transmission Rate - Network Service Rate	$/kW	2.7325
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.5347

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

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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

EB-2017-0024

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.

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.

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 order 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.

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	$	1,764.42
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	44.00
Rate Rider for Recovery of ICM (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$	11.65
Rate Rider for Recovery of 2018 Foregone Revenue - effective until December 31, 2018	$	16.18
Distribution Volumetric Rate	$/kW	2.3994
Low Voltage Service Rate	$/kW	0.0784
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 (2018) - effective 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-WMP Class B Customers	$/kW	(0.01999)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	0.1410
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0598
Rate Rider for Recovery of ICM (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$/kW	0.0158
Retail Transmission Rate - Network Service Rate	$/kW	2.6436
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	2.4803

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

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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

EB-2017-0024

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.

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.

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	$	13,911.73
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	346.90
Rate Rider for Recovery of ICM (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$	91.89
Rate Rider for Recovery of 2018 Foregone Revenue - effective until December 31, 2018	$	264.39
Distribution Volumetric Rate	$/kW	2.9782
Low Voltage Service Rate	$/kW	0.0838
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) (2018) - effective until April 30, 2019	$/kW	0.0880
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0743
Rate Rider for Recovery of ICM (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$/kW	0.0197
Retail Transmission Rate - Network Service Rate – Interval Metered	$/kW	2.8211
Retail Transmission Rate - Line and Transformation Connection Service Rate – Interval Metered	$/kW	2.6491

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

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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

EB-2017-0024

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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	$	9.08
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	0.23
Rate Rider for Recovery of ICM (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$	0.06
Rate Rider for Recovery of 2018 Foregone Revenue - effective until December 31, 2018	$	0.05
Distribution Volumetric Rate	$/kWh	0.0165
Low Voltage Service Rate	$/kWh	0.0002
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 (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 Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0004
Rate Rider for Recovery of ICM (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	$/kWh	0.0071
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	0.0032
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

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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

EB-2017-0024

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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per luminaire)	$	1.52
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	0.04
Rate Rider for Recovery of ICM (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$	0.01
Rate Rider for Recovery of 2018 Foregone Revenue - effective until December 31, 2018	$	0.01
Distribution Volumetric Rate	$/kW	11.6504
Low Voltage Service Rate	$/kW	0.0580
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 (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-WMP Class B Customers	$/kW	(0.01655)
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 Module (2017) - in effect until the effective date of the next cost of service based rate order	$/kW	0.2905
Rate Rider for Recovery of ICM (2018) - in effect from May 1, 2018 until the effective date of the next cost of service based rate order	$/kW	0.0770
Retail Transmission Rate - Network Service Rate	$/kW	1.8924
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.8329

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

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra Utilities Corporation
Enersource Rate Zone
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2018
Implementation Date May 1, 2018

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

EB-2017-0024

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 Debt Retirement Charge, 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.

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra Utilities Corporation
Enersource Rate Zone
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Effective Date January 1, 2018
Implementation Date May 1, 2018

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EB-2017-0024

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	5.40

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)

INCENTIVE REGULATION MODEL FOR 2019 FILERS

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EB-2017-0024

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
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 until August 31, 2018	$	22.35
Specific Charge for Access to the Power Poles - $/pole/year (with the exception of wireless attachments) - in effect from September 1, 2018 until December 31, 2018	$	28.09
Specific Charge for Access to the Power Poles - $/pole/year (with the exception of wireless attachments) - in effect from January 1, 2019	$	43.63

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra Utilities Corporation
Enersource Rate Zone

TARIFF OF RATES AND CHARGES

Effective Date January 1, 2018

Implementation Date May 1, 2018

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EB-2017-0024

RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

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

LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0360
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

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INCENTIVE REGULATION MODEL FOR 2019 FILEF

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column CE shoudl match the latest 2.1.7 RRR filing.

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. Only Class B amounts are to be disposed. Class A amounts are not to be disposed.

If you have received approval to dispose of balances from prior years, the starting point for entries in the schedule below will be the balance sheet date as per your general ledger for which you received approval. For example, if in the 2016 EDR process (CoS or IRM) you received approval for the December 31, 2014 balances, the starting point for your entries below should be the 2013 year. This will allow for the correct starting point for the 2014 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

Account Descriptions	Account Number
Group 1 Accounts	
LV Variance Account	1550
Smart Metering Entity Charge Variance Account	1551
RSVA - Wholesale Market Service Charge	1580
Variance WMS – Sub-account CBR Class A	1580
Variance WMS – Sub-account CBR Class B	1580
RSVA - Retail Transmission Network Charge	1584
RSVA - Retail Transmission Connection Charge	1586
RSVA - Power	1588
RSVA - Global Adjustment	1589
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and balance has been audited*	1595
RSVA - Global Adjustment	**1589**
Total Group 1 Balance excluding Account 1589 - Global Adjustment	
Total Group 1 Balance	
LRAM Variance Account (only input amounts if applying for disposition of th	**1568**
Total including Account 1568	

For all OEB-Approved dispositions, please ensure that the disposition

1 Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting

2 For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.

3 If the LDC's rate year begins on January 1, 2017, the projected interest is recorded from January 1, 2016 to December 31, 2016 on the December 31, 2015 balances adjusted for the disposed balances approved by the OEB in the 2016 rate decision. If the LDC's rate year begins on May 1, 2017, the projected interest is recorded from January 1, 2016 to April 30, 2017 on the December 31, 2015 balances adjusted for the disposed interest balances approved by the OEB in the 2016 rate decision.

4 Include Account 1595 as part of Group 1 accounts (lines 30-36) for review and disposition if the recovery (or refund) period has been completed. If the recovery (or refund) period has not been completed, do not include the respective balance in Account 1595 for disposition at this time

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column CE shoudl match the latest 2.1.7 RRR filing.

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. Only Class B amounts are to be disposed. Class A amounts are not to be disposed.

If you have received approval to dispose of balances from prior years, the starting point for entries in the schedule below will be the balance sheet date as per your general ledger for which you received approval. For example, if in the 2016 EDR process (CoS or IRM) you received approval for the December 31, 2014 balances, the starting point for your entries below should be the 2013 year. This will allow for the correct starting point for the 2014 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

		2010									
Account Descriptions	**Account Number**	**Opening Principal Amounts as of Jan 1, 2010**	**Transactions[2] Debit / (Credit) during 2010**	**OEB-Approved Disposition during 2010**	**Principal Adjustments[1] during 2010**	**Closing Principal Balance as of Dec 31, 2010**	**Opening Interest Amounts as of Jan 1, 2010**	**Interest Jan 1 to Dec 31, 2010**	**OEB-Approved Disposition during 2010**	**Interest Adjustments[1] during 2010**	**Closing Interest Amounts as of Dec 31, 2010**
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge	1580					0					0
Variance WMS – Sub-account CBR Class A	1580					0					0
Variance WMS – Sub-account CBR Class B	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power	1588					0					0
RSVA - Global Adjustment	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and 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 th	**1568**										
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

For all OEB-Approved dispositions, please ensure that the disposition

Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.

If the LDC's rate year begins on January 1, 2017, the projected interest is recorded from January 1, 2016 to December 31, 2016 on the December 31, 2015 balances adjusted for the disposed balances approved by the OEB in the 2016 rate decision. If the LDC's rate year begins on May 1, 2017, the projected interest is recorded from January 1, 2016 to April 30, 2017 on the December 31, 2015 balances adjusted for the disposed interest balances approved by the OEB in the 2016 rate decision.

Include Account 1595 as part of Group 1 accounts (lines 30-36) for review and disposition if the recovery (or refund) period has been completed. If the recovery (or refund) period has not been completed, do not include the respective balance in Account 1595 for disposition at this time

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column CE shoudl match the latest 2.1.7 RRR filing.

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. Only Class B amounts are to be disposed. Class A amounts are not to be disposed.

If you have received approval to dispose of balances from prior years, the starting point for entries in the schedule below will be the balance sheet date as per your general ledger for which you received approval. For example, if in the 2016 EDR process (CoS or IRM) you received approval for the December 31, 2014 balances, the starting point for your entries below should be the 2013 year. This will allow for the correct starting point for the 2014 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

		2010									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2010	Transactions[2] Debit / (Credit) during 2010	OEB-Approved Disposition during 2010	Principal Adjustments[1] during 2010	Closing Principal Balance as of Dec 31, 2010	Opening Interest Amounts as of Jan 1, 2010	Interest Jan 1 to Dec 31, 2010	OEB-Approved Disposition during 2010	Interest Adjustments[1] during 2010	Closing Interest Amounts as of Dec 31, 2010
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge	1580					0					0
Variance WMS – Sub-account CBR Class A	1580					0					0
Variance WMS – Sub-account CBR Class B	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power	1588					0					0
RSVA - Global Adjustment	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and 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 th	**1568**										
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

		2011									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2011	Transactions[2] Debit / (Credit) during 2011	OEB-Approved Disposition during 2011	Principal Adjustments[1] during 2011	Closing Principal Balance as of Dec 31, 2011	Opening Interest Amounts as of Jan 1, 2011	Interest Jan 1 to Dec 31, 2011	OEB-Approved Disposition during 2011	Interest Adjustments[1] during 2011	Closing Interest Amounts as of Dec 31, 2011
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	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B	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	1588	0				0	0				0
RSVA - Global Adjustment	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and 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	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 th	**1568**					0					0
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

For all OEB-Approved dispositions, please ensure that the disposition

Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.

If the LDC's rate year begins on January 1, 2017, the projected interest is recorded from January 1, 2016 to December 31, 2016 on the December 31, 2015 balances adjusted for the disposed balances approved by the OEB in the 2016 rate decision. If the LDC's rate year begins on May 1, 2017, the projected interest is recorded from January 1, 2016 to April 30, 2017 on the December 31, 2015 balances adjusted for the disposed interest balances approved by the OEB in the 2016 rate decision.

Include Account 1595 as part of Group 1 accounts (lines 30-36) for review and disposition if the recovery (or refund) period has been completed. If the recovery (or refund) period has not been completed, do not include the respective balance in Account 1595 for disposition at this time.

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column CE shoudl match the latest 2.1.7 RRR filing.

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. Only Class B amounts are to be disposed. Class A amounts are not to be disposed.

If you have received approval to dispose of balances from prior years, the starting point for entries in the schedule below will be the balance sheet date as per your general ledger for which you received approval. For example, if in the 2016 EDR process (CoS or IRM) you received approval for the December 31, 2014 balances, the starting point for your entries below should be the 2013 year. This will allow for the correct starting point for the 2014 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

2010

Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2010	Transactions[2] Debit / (Credit) during 2010	OEB-Approved Disposition during 2010	Principal Adjustments[1] during 2010	Closing Principal Balance as of Dec 31, 2010	Opening Interest Amounts as of Jan 1, 2010	Interest Jan 1 to Dec 31, 2010	OEB-Approved Disposition during 2010	Interest Adjustments[1] during 2010	Closing Interest Amounts as of Dec 31, 2010
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge	1580					0					0
Variance WMS – Sub-account CBR Class A	1580					0					0
Variance WMS – Sub-account CBR Class B	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power	1588					0					0
RSVA - Global Adjustment	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and 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 th	**1568**										
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

2011

Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2011	Transactions[2] Debit / (Credit) during 2011	OEB-Approved Disposition during 2011	Principal Adjustments[1] during 2011	Closing Principal Balance as of Dec 31, 2011	Opening Interest Amounts as of Jan 1, 2011	Interest Jan 1 to Dec 31, 2011	OEB-Approved Disposition during 2011	Interest Adjustments[1] during 2011	Closing Interest Amounts as of Dec 31, 2011
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	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B	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	1588	0				0	0				0
RSVA - Global Adjustment	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and 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	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 th	**1568**					0					0
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

2012

Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2012	Transactions[2] Debit / (Credit) during 2012	OEB-Approved Disposition during 2012	Principal Adjustments[1] during 2012	Closing Principal Balance as of Dec 31, 2012	Opening Interest Amounts as of Jan 1, 2012	Interest Jan 1 to Dec 31, 2012	OEB-Approved Disposition during 2012	Interest Adjustments[1] during 2012	Closing Interest Amounts as of Dec 31, 2012
Group 1 Accounts											
LV Variance Account	1550										
Smart Metering Entity Charge Variance Account	1551										
RSVA - Wholesale Market Service Charge	1580										
Variance WMS – Sub-account CBR Class A	1580										
Variance WMS – Sub-account CBR Class B	1580										
RSVA - Retail Transmission Network Charge	1584										
RSVA - Retail Transmission Connection Charge	1586										
RSVA - Power	1588										
RSVA - Global Adjustment	1589										
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595										
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595										
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595										
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595										
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595										
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595										
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and balance has been audited*	1595										
RSVA - Global Adjustment	**1589**										
Total Group 1 Balance excluding Account 1589 - Global Adjustment											
Total Group 1 Balance											
LRAM Variance Account (only input amounts if applying for disposition of th	**1568**										
Total including Account 1568											

For all OEB-Approved dispositions, please ensure that the disposition

Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.

If the LDC's rate year begins on January 1, 2017, the projected interest is recorded from January 1, 2016 to December 31, 2016 on the December 31, 2015 balances adjusted for the disposed balances approved by the OEB in the 2016 rate decision. If the LDC's rate year begins on May 1, 2017, the projected interest is recorded from January 1, 2016 to April 30, 2017 on the December 31, 2015 balances adjusted for the disposed interest balances approved by the OEB in the 2016 rate decision.

Include Account 1595 as part of Group 1 accounts (lines 30-36) for review and disposition if the recovery (or refund) period has been completed. If the recovery (or refund) period has not been completed, do not include the respective balance in Account 1595 for disposition at this time.

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column CE shoudl match the latest 2.1.7 RRR filing.

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. Only Class B amounts are to be disposed. Class A amounts are not to be disposed.

If you have received approval to dispose of balances from prior years, the starting point for entries in the schedule below will be the balance sheet date as per your general ledger for which you received approval. For example, if in the 2016 EDR process (CoS or IRM) you received approval for the December 31, 2014 balances, the starting point for your entries below should be the 2013 year. This will allow for the correct starting point for the 2014 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

Account Descriptions	Account Number	2010: Opening Principal Amounts as of Jan 1, 2010	Transactions[2] Debit / (Credit) during 2010	OEB-Approved Disposition during 2010	Principal Adjustments[1] during 2010	Closing Principal Balance as of Dec 31, 2010	Opening Interest Amounts as of Jan 1, 2010	Interest Jan 1 to Dec 31, 2010	OEB-Approved Disposition during 2010	Interest Adjustments[1] during 2010	Closing Interest Amounts as of Dec 31, 2010
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge	1580					0					0
Variance WMS – Sub-account CBR Class A	1580					0					0
Variance WMS – Sub-account CBR Class B	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power	1588					0					0
RSVA - Global Adjustment	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and 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 th	**1568**										
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

Account Descriptions	Account Number	2011: Opening Principal Amounts as of Jan 1, 2011	Transactions[2] Debit / (Credit) during 2011	OEB-Approved Disposition during 2011	Principal Adjustments[1] during 2011	Closing Principal Balance as of Dec 31, 2011	Opening Interest Amounts as of Jan 1, 2011	Interest Jan 1 to Dec 31, 2011	OEB-Approved Disposition during 2011	Interest Adjustments[1] during 2011	Closing Interest Amounts as of Dec 31, 2011
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	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B	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	1588	0				0	0				0
RSVA - Global Adjustment	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and 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	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 th	**1568**					0					0
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

Account Descriptions	Account Number	2013: Opening Principal Amounts as of Jan 1, 2013	Transactions[2] 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										
Smart Metering Entity Charge Variance Account	1551										
RSVA - Wholesale Market Service Charge	1580										
Variance WMS – Sub-account CBR Class A	1580										
Variance WMS – Sub-account CBR Class B	1580										
RSVA - Retail Transmission Network Charge	1584										
RSVA - Retail Transmission Connection Charge	1586										
RSVA - Power	1588										
RSVA - Global Adjustment	1589										
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595										
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595										
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595										
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595										
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595										
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595										
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and balance has been audited*	1595										
RSVA - Global Adjustment	**1589**										
Total Group 1 Balance excluding Account 1589 - Global Adjustment											
Total Group 1 Balance											
LRAM Variance Account (only input amounts if applying for disposition of th	**1568**										
Total including Account 1568											

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Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.

If the LDC's rate year begins on January 1, 2017, the projected interest is recorded from January 1, 2016 to December 31, 2016 on the December 31, 2015 balances adjusted for the disposed balances approved by the OEB in the 2016 rate decision. If the LDC's rate year begins on May 1, 2017, the projected interest is recorded from January 1, 2016 to April 30, 2017 on the December 31, 2015 balances adjusted for the disposed interest balances approved by the OEB in the 2016 rate decision.

Include Account 1595 as part of Group 1 accounts (lines 30-36) for review and disposition if the recovery (or refund) period has been completed. If the recovery (or refund) period has not been completed, do not include the respective balance in Account 1595 for disposition at this time.

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column CE shoudl match the latest 2.1.7 RRR filing.

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. Only Class B amounts are to be disposed. Class A amounts are not to be disposed.

If you have received approval to dispose of balances from prior years, the starting point for entries in the schedule below will be the balance sheet date as per your general ledger for which you received approval. For example, if in the 2016 EDR process (CoS or IRM) you received approval for the December 31, 2014 balances, the starting point for your entries below should be the 2013 year. This will allow for the correct starting point for the 2014 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

2010

Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2010	Transactions[2] Debit / (Credit) during 2010	OEB-Approved Disposition during 2010	Principal Adjustments[1] during 2010	Closing Principal Balance as of Dec 31, 2010	Opening Interest Amounts as of Jan 1, 2010	Interest Jan 1 to Dec 31, 2010	OEB-Approved Disposition during 2010	Interest Adjustments[1] during 2010	Closing Interest Amounts as of Dec 31, 2010
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge	1580					0					0
Variance WMS – Sub-account CBR Class A	1580					0					0
Variance WMS – Sub-account CBR Class B	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power	1588					0					0
RSVA - Global Adjustment	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and 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 th	**1568**										
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

2011

Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2011	Transactions[2] Debit / (Credit) during 2011	OEB-Approved Disposition during 2011	Principal Adjustments[1] during 2011	Closing Principal Balance as of Dec 31, 2011	Opening Interest Amounts as of Jan 1, 2011	Interest Jan 1 to Dec 31, 2011	OEB-Approved Disposition during 2011	Interest Adjustments[1] during 2011	Closing Interest Amounts as of Dec 31, 2011
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	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B	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	1588	0				0	0				0
RSVA - Global Adjustment	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and 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	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 th	**1568**					0					0
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

2014

Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2014	Transactions[2] 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	2.495.672	938.909	1.690.690		1.743.891	51.132	20.670	41.280		30.521
Smart Metering Entity Charge Variance Account	1551	(36.015)	(33.601)			(69.617)	(148)	(668)	0		(816)
RSVA - Wholesale Market Service Charge	1580	(14,447,499)	(1,098,114)	(9,704,806)		(5,840,806)	(303,050)	(35,371)	(236,109)		(102,312)
Variance WMS – Sub-account CBR Class A	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B	1580	0				0	0				0
RSVA - Retail Transmission Network Charge	1584	5.108.992	2.422.343	1.692.260		5.839.074	48.925	71.423	27.552		92.796
RSVA - Retail Transmission Connection Charge	1586	1,710,897	2,297,463	1,028,939		2,979,421	14,046	28,330	10,695		31,680
RSVA - Power	1588	(1,143,566)	(490,297)	716,650		(2,350,513)	(36,783)	2,507	(7,074)		(27,203)
RSVA - Global Adjustment	1589	389.458	7.999.426	(2.771.959)		11.160.843	(20.703)	59.399	(101.965)		140.661
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595	(2,807,104)		(2,805,249)	1,855	0	(192,718)		(192,712)	6	(0)
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595	(3,681,077)	1,560,914			(2,120,163)	(653,023)	3,820			(649,202)
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595	2,675	379			3,054	(5,660)	24			(5,637)
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595	0	9,885,177	10,153,475		(268,298)	0	383,550	458,332		(74,782)
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and balance has been audited*	1595	0				0	0				0
RSVA - Global Adjustment	**1589**	389.458	7.999.426	(2.771.959)	0	11.160.843	(20.703)	59.399	(101.965)	0	140.661
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(12,797,025)	15,483,172	2,771,959	1,855	(83,957)	(1,077,280)	474,284	101,965	6	(704,955)
Total Group 1 Balance		(12,407,567)	23,482,598	0	1,855	11,076,886	(1,097,983)	533,682	0	6	(564,295)
LRAM Variance Account (only input amounts if applying for disposition of th	**1568**	61,419	12,857			74,276	5,868	689			6,557
Total including Account 1568		(12,346,148)	23,495,455	0	1,855	11,151,162	(1,092,115)	534,371	0	6	(557,738)

For all OEB-Approved dispositions, please ensure that the disposition

Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.

If the LDC's rate year begins on January 1, 2017, the projected interest is recorded from January 1, 2016 to December 31, 2016 on the December 31, 2015 balances adjusted for the disposed balances approved by the OEB in the 2016 rate decision. If the LDC's rate year begins on May 1, 2017, the projected interest is recorded from January 1, 2016 to April 30, 2017 on the December 31, 2015 balances adjusted for the disposed interest balances approved by the OEB in the 2016 rate decision.

Include Account 1595 as part of Group 1 accounts (lines 30-36) for review and disposition if the recovery (or refund) period has been completed. If the recovery (or refund) period has not been completed, do not include the respective balance in Account 1595 for disposition at this time

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column CE shoudl match the latest 2.1.7 RRR filing.

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. Only Class B amounts are to be disposed. Class A amounts are not to be disposed.

If you have received approval to dispose of balances from prior years, the starting point for entries in the schedule below will be the balance sheet date as per your general ledger for which you received approval. For example, if in the 2016 EDR process (CoS or IRM) you received approval for the December 31, 2014 balances, the starting point for your entries below should be the 2013 year. This will allow for the correct starting point for the 2014 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

2010

Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2010	Transactions[2] Debit / (Credit) during 2010	OEB-Approved Disposition during 2010	Principal Adjustments[1] during 2010	Closing Principal Balance as of Dec 31, 2010	Opening Interest Amounts as of Jan 1, 2010	Interest Jan 1 to Dec 31, 2010	OEB-Approved Disposition during 2010	Interest Adjustments[1] during 2010	Closing Interest Amounts as of Dec 31, 2010
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge	1580					0					0
Variance WMS – Sub-account CBR Class A	1580					0					0
Variance WMS – Sub-account CBR Class B	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power	1588					0					0
RSVA - Global Adjustment	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and 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 th	**1568**										
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

2011

Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2011	Transactions[2] Debit / (Credit) during 2011	OEB-Approved Disposition during 2011	Principal Adjustments[1] during 2011	Closing Principal Balance as of Dec 31, 2011	Opening Interest Amounts as of Jan 1, 2011	Interest Jan 1 to Dec 31, 2011	OEB-Approved Disposition during 2011	Interest Adjustments[1] during 2011	Closing Interest Amounts as of Dec 31, 2011
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	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B	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	1588	0				0	0				0
RSVA - Global Adjustment	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and 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	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 th	**1568**					0					0
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

2015

Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2015	Transactions[2] Debit / (Credit) during 2015	OEB-Approved Disposition during 2015	Principal Adjustments[1] during 2015	Closing Principal Balance as of Dec 31, 15	Opening Interest Amounts as of Jan 1, 15	Interest Jan 1 to Dec 31, 15	OEB-Approved Disposition during 2015	Interest Adjustments[1] during 2015	Closing Interest Amounts as of Dec 31, 15
Group 1 Accounts											
LV Variance Account	1550	1.743.891	1.545.687			3.289.578	30.521	26.398			56.920
Smart Metering Entity Charge Variance Account	1551	(69.617)	(26.931)			(96.548)	(816)	(903)			(1.719)
RSVA - Wholesale Market Service Charge	1580	(5,840,806)	(15,911,140)			(21,751,947)	(102,312)	(126,679)			(228,991)
Variance WMS – Sub-account CBR Class A	1580	0	163,061			163,061	0	521			521
Variance WMS – Sub-account CBR Class B	1580	0	1,719,664			1,719,664	0	5,728			5,728
RSVA - Retail Transmission Network Charge	1584	5.839.074	(1.557.809)			4.281.265	92.796	61.504			154.300
RSVA - Retail Transmission Connection Charge	1586	2,979,421	593,535			3,572,956	31,680	38,092			69,772
RSVA - Power	1588	(2,350,513)	1,362,016			(988,498)	(27,203)	(33,475)			(60,678)
RSVA - Global Adjustment	1589	11.160.843	4.890.995			16.051.838	140.661	139.601			280.261
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595	0				0	(0)				(0)
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595	(2,120,163)	961			(2,119,201)	(649,202)	(25,254)			(674,456)
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595	3,054	46			3,099	(5,637)	25			(5,611)
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595	(268,298)	(5,336)			(273,634)	(74,782)	(2,969)			(77,752)
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and balance has been audited*	1595	0				0	0				0
RSVA - Global Adjustment	**1589**	11.160.843	4.890.995	0	0	16.051.838	140.661	139.601	0	0	280.261
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(83,957)	(12,116,247)	0	0	(12,200,204)	(704,955)	(57,012)	0	0	(761,967)
Total Group 1 Balance		11,076,886	(7,225,252)	0	0	3,851,634	(564,295)	82,589	0	0	(481,706)
LRAM Variance Account (only input amounts if applying for disposition of th	**1568**	74,276	2,209,737			2,284,013	6,557	63,437			69,994
Total including Account 1568		11,151,162	(5,015,515)	0	0	6,135,647	(557,738)	146,026	0	0	(411,712)

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For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.

If the LDC's rate year begins on January 1, 2017, the projected interest is recorded from January 1, 2016 to December 31, 2016 on the December 31, 2015 balances adjusted for the disposed balances approved by the OEB in the 2016 rate decision. If the LDC's rate year begins on May 1, 2017, the projected interest is recorded from January 1, 2016 to April 30, 2017 on the December 31, 2015 balances adjusted for the disposed interest balances approved by the OEB in the 2016 rate decision.

Include Account 1595 as part of Group 1 accounts (lines 30-36) for review and disposition if the recovery (or refund) period has been completed. If the recovery (or refund) period has not been completed, do not include the respective balance in Account 1595 for disposition at this time

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column CE shoudl match the latest 2.1.7 RRR filing.

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. Only Class B amounts are to be disposed. Class A amounts are not to be disposed.

If you have received approval to dispose of balances from prior years, the starting point for entries in the schedule below will be the balance sheet date as per your general ledger for which you received approval. For example, if in the 2016 EDR process (CoS or IRM) you received approval for the December 31, 2014 balances, the starting point for your entries below should be the 2013 year. This will allow for the correct starting point for the 2014 opening balance columns for both principal and interest.

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		2010									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2010	Transactions[2] Debit / (Credit) during 2010	OEB-Approved Disposition during 2010	Principal Adjustments[1] during 2010	Closing Principal Balance as of Dec 31, 2010	Opening Interest Amounts as of Jan 1, 2010	Interest Jan 1 to Dec 31, 2010	OEB-Approved Disposition during 2010	Interest Adjustments[1] during 2010	Closing Interest Amounts as of Dec 31, 2010
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge	1580					0					0
Variance WMS – Sub-account CBR Class A	1580					0					0
Variance WMS – Sub-account CBR Class B	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power	1588					0					0
RSVA - Global Adjustment	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and 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 th	**1568**										
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

		2011									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2011	Transactions[2] Debit / (Credit) during 2011	OEB-Approved Disposition during 2011	Principal Adjustments[1] during 2011	Closing Principal Balance as of Dec 31, 2011	Opening Interest Amounts as of Jan 1, 2011	Interest Jan 1 to Dec 31, 2011	OEB-Approved Disposition during 2011	Interest Adjustments[1] during 2011	Closing Interest Amounts as of Dec 31, 2011
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	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B	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	1588	0				0	0				0
RSVA - Global Adjustment	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and 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	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 th	**1568**					0					0
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

		2016									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2016	Transactions[2] Debit / (Credit) during 2016	OEB-Approved Disposition during 2016	Principal Adjustments[1] during 2016	Closing Principal Balance as of Dec 31, 16	Opening Interest Amounts as of Jan 1, 16	Interest Jan 1 to Dec 31, 16	OEB-Approved Disposition during 2016	Interest Adjustments[1] during 2016	Closing Interest Amounts as of Dec 31, 16
Group 1 Accounts											
LV Variance Account	1550	3.289.578	2.290.282	1.743.890		3.835.970	56.920	33.129	49.706		40.343
Smart Metering Entity Charge Variance Account	1551	(96.548)	(33.444)	(69.617)		(60.375)	(1.719)	(621)	(1.582)		(759)
RSVA - Wholesale Market Service Charge	1580	(21,751,947)	(6,868,015)	(5,840,806)		(22,779,156)	(228,991)	(231,089)	(166,561)		(293,518)
Variance WMS – Sub-account CBR Class A	1580	163,061	(163,061)			0	521	(521)			0
Variance WMS – Sub-account CBR Class B	1580	1,719,664	(275,214)			1,444,449	5,728	16,472			22,200
RSVA - Retail Transmission Network Charge	1584	4.281.265	(568.201)	5.839.074		(2.126.009)	154.300	(7.167)	157.025		(9.892)
RSVA - Retail Transmission Connection Charge	1586	3,572,956	333,841	2,979,420		927,377	69,772	15,523	64,454		20,841
RSVA - Power	1588	(988,498)	(2,851,171)	(2,350,512)	2,500,544	1,011,388	(60,678)	(6,630)	(53,059)		(14,249)
RSVA - Global Adjustment	1589	16.051.838	(1.033.668)	11.160.843	(826.764)	3.030.563	280.261	96.151	263.430		112.982
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595	0				0	(0)				(0)
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595	(2,119,201)	(961)	(2,120,163)		(0)	(674,456)	1,932	(672,524)		(0)
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595	3,099	(46)	3,054		0	(5,611)	9	(5,602)		0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595	(273,634)	5,336	(268,298)		0	(77,752)	18	(77,734)		0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595	0	(11,165,511)	(11,106,926)		(58,585)	0	494,809	441,506		53,303
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and balance has been audited*	1595	0				0	0				0
RSVA - Global Adjustment	**1589**	16.051.838	(1.033.668)	11.160.843	(826.764)	3.030.563	280.261	96.151	263.430	0	112.982
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(12,200,204)	(19,296,166)	(11,190,884)	2,500,544	(17,804,941)	(761,967)	315,864	(264,371)	0	(181,732)
Total Group 1 Balance		3,851,634	(20,329,834)	(30,041)	1,673,780	(14,774,378)	(481,706)	412,015	(941)	0	(68,750)
LRAM Variance Account (only input amounts if applying for disposition of th	**1568**	2,284,013	1,131,354			3,415,367	69,994	29,555			99,548
Total including Account 1568		6,135,647	(19,198,480)	(30,041)	1,673,780	(11,359,012)	(411,712)	441,570	(941)	0	30,799

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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. Only Class B amounts are to be disposed. Class A amounts are not to be disposed.

If you have received approval to dispose of balances from prior years, the starting point for entries in the schedule below will be the balance sheet date as per your general ledger for which you received approval. For example, if in the 2016 EDR process (CoS or IRM) you received approval for the December 31, 2014 balances, the starting point for your entries below should be the 2013 year. This will allow for the correct starting point for the 2014 opening balance columns for both principal and interest.

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2010

Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2010	Transactions[2] Debit / (Credit) during 2010	OEB-Approved Disposition during 2010	Principal Adjustments[1] during 2010	Closing Principal Balance as of Dec 31, 2010	Opening Interest Amounts as of Jan 1, 2010	Interest Jan 1 to Dec 31, 2010	OEB-Approved Disposition during 2010	Interest Adjustments[1] during 2010	Closing Interest Amounts as of Dec 31, 2010
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge	1580					0					0
Variance WMS – Sub-account CBR Class A	1580					0					0
Variance WMS – Sub-account CBR Class B	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power	1588					0					0
RSVA - Global Adjustment	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and 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 th	**1568**										
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

2011

Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2011	Transactions[2] Debit / (Credit) during 2011	OEB-Approved Disposition during 2011	Principal Adjustments[1] during 2011	Closing Principal Balance as of Dec 31, 2011	Opening Interest Amounts as of Jan 1, 2011	Interest Jan 1 to Dec 31, 2011	OEB-Approved Disposition during 2011	Interest Adjustments[1] during 2011	Closing Interest Amounts as of Dec 31, 2011
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	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B	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	1588	0				0	0				0
RSVA - Global Adjustment	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and 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	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 th	**1568**					0					0
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

2017

Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2017	Transactions[2] 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	3.835.970	2.379.788	1.545.688		4.670.070	40.343	42.418	24.215		58.545
Smart Metering Entity Charge Variance Account	1551	(60.375)	(26.813)	(26.931)		(60.256)	(759)	(511)	(434)		(836)
RSVA - Wholesale Market Service Charge	1580	(22,779,156)	(7,283,689)	(15,911,140)		(14,151,704)	(293,518)	(131,490)	(237,452)		(187,556)
Variance WMS – Sub-account CBR Class A	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B	1580	1,444,449	35,171	1,719,664		(240,043)	22,200	(2,177)	24,645		(4,621)
RSVA - Retail Transmission Network Charge	1584	(2.126.009)	1.964.323	(1.557.808)		1.396.122	(9.892)	(4.203)	(19.862)		5.767
RSVA - Retail Transmission Connection Charge	1586	927,377	48,373	593,535		382,215	20,841	9,517	11,846		18,511
RSVA - Power	1588	1,011,388	1,318,485	1,362,016	(998,801)	(30,944)	(14,249)	(23,232)	7,363		(44,844)
RSVA - Global Adjustment	1589	3.030.563	2.524.883	4.890.994	2.871.035	3.535.487	112.982	17.845	70.633		60.194
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595	0				0	(0)				(0)
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595	(0)				(0)	(0)				(0)
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595	(58,585)	(13,771)			(72,356)	53,303	(683)			52,620
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and balance has been audited*	1595	0	7,385,427	7,383,983		1,444	0	79,526	119,045		(39,519)
RSVA - Global Adjustment	**1589**	3.030.563	2.524.883	4.890.994	2.871.035	3.535.487	112.982	17.845	70.633	0	60.194
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(17,804,941)	5,807,295	(4,890,994)	(998,801)	(8,105,453)	(181,732)	(30,835)	(70,633)	0	(141,934)
Total Group 1 Balance		(14,774,378)	8,332,179	0	1,872,234	(4,569,966)	(68,750)	(12,990)	0	0	(81,740)
LRAM Variance Account (only input amounts if applying for disposition of th	**1568**	3,415,367	2,243,434			5,658,801	99,548	45,357			144,905
Total including Account 1568		(11,359,012)	10,575,612	0	1,872,234	1,088,835	30,799	32,367	0	0	63,166

For all OEB-Approved dispositions, please ensure that the disposition

($4,651,705.35)
($3,546,015.11)
($8,197,720.46)

Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.

If the LDC's rate year begins on January 1, 2017, the projected interest is recorded from January 1, 2016 to December 31, 2016 on the December 31, 2015 balances adjusted for the disposed balances approved by the OEB in the 2016 rate decision. If the LDC's rate year begins on May 1, 2017, the projected interest is recorded from January 1, 2016 to April 30, 2017 on the December 31, 2015 balances adjusted for the disposed interest balances approved by the OEB in the 2016 rate decision.

Include Account 1595 as part of Group 1 accounts (lines 30-36) for review and disposition if the recovery (or refund) period has been completed. If the recovery (or refund) period has not been completed, do not include the respective balance in Account 1595 for disposition at this time

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column CE shoudl match the latest 2.1.7 RRR filing.

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. Only Class B amounts are to be disposed. Class A amounts are not to be disposed.

If you have received approval to dispose of balances from prior years, the starting point for entries in the schedule below will be the balance sheet date as per your general ledger for which you received approval. For example, if in the 2016 EDR process (CoS or IRM) you received approval for the December 31, 2014 balances, the starting point for your entries below should be the 2013 year. This will allow for the correct starting point for the 2014 opening balance columns for both principal and interest.

Please refer to the footnotes for further instructions.

		2010									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2010	Transactions[2] Debit / (Credit) during 2010	OEB-Approved Disposition during 2010	Principal Adjustments[1] during 2010	Closing Principal Balance as of Dec 31, 2010	Opening Interest Amounts as of Jan 1, 2010	Interest Jan 1 to Dec 31, 2010	OEB-Approved Disposition during 2010	Interest Adjustments[1] during 2010	Closing Interest Amounts as of Dec 31, 2010
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge	1580					0					0
Variance WMS – Sub-account CBR Class A	1580					0					0
Variance WMS – Sub-account CBR Class B	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power	1588					0					0
RSVA - Global Adjustment	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and 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 th	**1568**										
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

		2011									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2011	Transactions[2] Debit / (Credit) during 2011	OEB-Approved Disposition during 2011	Principal Adjustments[1] during 2011	Closing Principal Balance as of Dec 31, 2011	Opening Interest Amounts as of Jan 1, 2011	Interest Jan 1 to Dec 31, 2011	OEB-Approved Disposition during 2011	Interest Adjustments[1] during 2011	Closing Interest Amounts as of Dec 31, 2011
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	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B	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	1588	0				0	0				0
RSVA - Global Adjustment	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and 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	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 th	**1568**					0					0
Total including Account 1568		0	0	0	0	0	0	0	0	0	0

		2018				Projected Interest on Dec-31-17 Balances			2.1.7 RRR	
Account Descriptions	Account Number	Principal Disposition during 2018 - instructed by OEB	Interest Disposition during 2018 - instructed by OEB	Closing Principal Balances as of Dec 31, 2017 Adjusted for Dispositions during 2018	Closing Interest Balances as of Dec 31, 2017 Adjusted for Disposition in 2018	Projected Interest from January 1, 2018 to December 31, 2018 on December 31, 2017 balance adjusted for disposition during 2019[3]	Total Interest	Total Claim	As of Dec 31-17	Variance RRR vs. 2017 Balance *(Principal + Interest)*
Group 1 Accounts										
LV Variance Account	1550	2.290.282	55.806	2.379.788	2.739	42.658	45.396	2.425.185	4.728.615	0
Smart Metering Entity Charge Variance Account	1551	(33.444)	(904)	(26.813)	68	(481)	(413)	(27.225)	(61.093)	0
RSVA - Wholesale Market Service Charge	1580	(6,868,015)	(175,054)	(7,283,689)	(12,502)	(130,560)	(143,062)	(7,426,751)	(14,339,260)	0
Variance WMS – Sub-account CBR Class A	1580	0	0	0	0	0	0	0	0	0
Variance WMS – Sub-account CBR Class B	1580	(275,214)	(7,212)	35,171	2,591	630	3,222	38,393	(244,664)	0
RSVA - Retail Transmission Network Charge	1584	(568.201)	126	1.964.323	5.641	35.210	40.851	2.005.174	1.401.888	(0)
RSVA - Retail Transmission Connection Charge	1586	333,842	14,778	48,373	3,733	867	4,600	52,973	400,726	0
RSVA - Power	1588	(350,628)	(27,687)	319,684	(17,157)	5,730	(11,427)	308,257	(1,577,531)	(1,501,743)
RSVA - Global Adjustment	1589	(1.860.431)	10.117	5.395.918	50.077	96.722	146.799	5.542.717	1.551.409	(2.044.272)
Disposition and Recovery/Refund of Regulatory Balances (2009)[4]	1595	0	(0)	0	(0)	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2010)[4]	1595	0	(0)	(0)	0	(0)	(0)	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2011)[4]	1595	(0)	0	0	(0)	0	0	0	0	(0)
Disposition and Recovery/Refund of Regulatory Balances (2012)[4]	1595	0	0	(0)	(0)	(0)	(0)	0	0	(0)
Disposition and Recovery/Refund of Regulatory Balances (2013)[4]	1595	0	0	(0)	0	(0)	(0)	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2016)[4]	1595	(58,585)	52,288	(13,771)	332	(247)	85	0	(19,735)	(0)
Disposition and Recovery/Refund of Regulatory Balances (2017)[4] *Not to be disposed of unless rate rider has expired and balance has been audited*	1595		0	1,444	(39,519)	25.88	(39,493)	0	(38,075)	0
RSVA - Global Adjustment	**1589**	(1.860.431)	10.117	5.395.918	50.077	96.722	146.799	5.542.717	1.551.409	(2.044.272)
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(5,529,964)	(87,860)	(2,575,489)	(54,073)	(46,166)	(100,239)	(2,623,994)	(9,749,129)	(1,501,743)
Total Group 1 Balance		(7,390,395)	(77,743)	2,820,430	(3,996)	50,556	46,560	2,918,724	(8,197,720)	(3,546,015)
LRAM Variance Account (only input amounts if applying for disposition of th	**1568**	3,415,367	158,720	2,243,434	(13,814)	40,214	26,399	2,269,833	5,803,706	0
Total including Account 1568		(3,975,029)	80,976	5,063,863	(17,810)	90,770	72,959	5,188,557	(2,394,014)	(3,546,015)

For all OEB-Approved dispositions, please ensure that the disposition

Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting

For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.

If the LDC's rate year begins on January 1, 2017, the projected interest is recorded from January 1, 2016 to December 31, 2016 on the December 31, 2015 balances adjusted for the disposed balances approved by the OEB in the 2016 rate decision. If the LDC's rate year begins on May 1, 2017, the projected interest is recorded from January 1, 2016 to April 30, 2017 on the December 31, 2015 balances adjusted for the disposed interest balances approved by the OEB in the 2016 rate decision.

Include Account 1595 as part of Group 1 accounts (lines 30-36) for review and disposition if the recovery (or refund) period has been completed. If the recovery (or refund) period has not been completed, do not include the respective balance in Account 1595 for disposition at this time.

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Information from the most recent RRR (2017 for 2019 IRM)

Rate Class	Unit	Total Metered kWh	Total Metered kW	Metered kWh for Non-RPP Customers	Metered kW for Non-RPP Customers	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)*	*Approved Recoveries (class allocation %)* 1595 Recovery Proportion (2014) [1]	1595 Recovery Proportion (2015) [1]	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	1,440,461,108		51,296,782				1,440,461,108	0	4.3%	32.9%	20.5%	$218,928	183,145
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	618,679,646		97,698,580				618,679,646	0	3.7%	13.1%	9.0%	$124,808	18,413
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION	kW	1,993,768,779	5,780,039	1,685,784,808	4,933,989	2,122,221	6,657	1,991,646,559	5,773,382	41.4%	17.5%	29.3%	$1,127,412	
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kW	2,006,067,810	4,610,762	1,846,972,865	4,271,783	15,026,690	28,832	1,991,041,119	4,581,931	48.4%	15.5%	27.7%	$346,858	
LARGE USE SERVICE CLASSIFICATION	kW	981,267,691	1,753,816	981,267,691	1,753,816			981,267,691	1,753,816	1.4%	20.6%	12.9%	$112,182	
STANDBY POWER SERVICE CLASSIFICATION	kW							0	0			0.0%		
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	11,421,124		586,175				11,421,124	0	0.0%	0.2%	0.1%		
STREET LIGHTING SERVICE CLASSIFICATION	kW	14,875,866	41,240	14,875,866	41,240			14,875,866	41,240	0.9%	0.1%	0.3%	-$156,329	
								0	0					
								0	0					
								0	0					
								0	0					
	Total	7,066,542,026	12,185,857	4,678,482,767	11,000,827	17,148,911	35,489	7,049,393,114	12,150,368	100%	100%	100%	$1,773,859	201,558

Threshold Test

Total Claim (including Account 1568)	$5,188,557
Total Claim for Threshold Test (All Group 1 Accounts)	$2,918,724
Threshold Test (Total claim per kWh) [2]	**$0.0004**
Exceeds Threshold?	**No**
ELECT TO DISPOSE of the Group 1 Account Balances?	**Yes**

1568 Account Balance from Continuity Schedule	$2,269,833
Total Balance of Account 1568 in Column T DOES NOT MATCH the amount entered on the Continuity Schedule	

As per Section 3.2.5 of the 2017 Filing Requirements for Electricity Distribution Rate Applications, an applicant may elect to dispose of the Group 1 account balances below the threshold.

[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.

INCENTIVE REGULATION MODEL FOR 2019 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 Total non-RPP 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	20.4%	1.1%	90.9%	20.4%	494,356	(24,738)	(1,517,570)	408,740	10,798	62,989	0	218,928
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	8.8%	2.1%	9.1%	8.8%	212,326	(2,487)	(651,798)	175,554	4,638	27,054	0	124,808
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION	28.2%	36.0%	0.0%	28.3%	684,247	0	(2,098,260)	565,744	14,946	87,091	0	1,127,412
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	28.4%	39.5%	0.0%	28.2%	688,468	0	(2,097,623)	569,234	15,038	87,065	0	346,858
LARGE USE SERVICE CLASSIFICATION	13.9%	21.0%	0.0%	13.9%	336,764	0	(1,033,795)	278,441	7,356	42,909	0	112,182
STANDBY POWER SERVICE CLASSIFICATION	0.0%	0.0%	0.0%	0.0%	0	0	0	0	0	0	0	0
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	0.2%	0.0%	0.0%	0.2%	3,920	0	(12,033)	3,241	86	499	0	0
STREET LIGHTING SERVICE CLASSIFICATION	0.2%	0.3%	0.0%	0.2%	5,105	0	(15,672)	4,221	112	650	0	(156,329)
	100.0%	100.0%	100.0%	100.0%	**2,425,185**	**(27,225)**	**(7,426,751)**	**2,005,174**	**52,973**	**308,257**	**0**	**1,773,859**

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

INCENTIVE REGULATION MODEL FOR 2019 FILERS

The purpose of this tab is to calculate the GA rate riders for all current Class B customers of the distributor.
Identify the total billed consumption for former Class B customers prior to becoming Class A customers in Column G.
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)

	Total Metered Non-RPP consumption minus WMP	Total Metered Class A Consumption in 2017 (partial and/or full year Class A customers)*	Total Metered Consumption for New Class A customer(s) in the period prior to becoming Class A (i.e. Jan. 1 - June 30, 2017)	Total Metered Consumption for New Class B customer(s) in the period after becoming Class B (i.e. Jul 1 - Dec 31, 2017)	Metered Consumption for Current Class B Customers (Non-RPP consumption LESS WMP, Class A and new Class A's former Class B consumption if applicable)	% of total kWh	Total GA $ allocated to Current Class B Customers	GA Rate Rider	
	kWh	kWh	kWh	kWh	kWh				
RESIDENTIAL SERVICE CLASSIFICATION	51,296,782				51,296,782	1.8%	$88,871	$0.0017	kwh
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	97,698,580				97,698,580	3.5%	$169,261	$0.0017	kwh
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION	1,683,662,587				1,683,662,587	59.6%	$2,916,921	$0.0017	kwh
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	1,831,946,175	539,356,029	313,835,212		978,754,933	34.6%	$1,695,679	$0.0017	kwh
LARGE USE SERVICE CLASSIFICATION	981,267,691	922,691,361		58,576,330	0	0.0%	$0	$0.0017	kwh
STANDBY POWER SERVICE CLASSIFICATION	0				0	0.0%	$0		kwh
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	586,175				586,175	0.0%	$1,016	$0.0017	kwh
STREET LIGHTING SERVICE CLASSIFICATION	14,875,866				14,875,866	0.5%	$25,772	$0.0017	kwh
	4,661,333,856	**1,462,047,390**	**313,835,212**	**58,576,330**	**2,826,874,923**	**100.0%**	**$4,897,520**		
							from Sheet 6B		

*For new Class A customers (who became Class A in 2017), add their consumption only related to July to December period.

INCENTIVE REGULATION MODEL FOR 2019 FILERS

This tab allocates the GA balance to former Class B customers who contributed to the current GA balance but are now Class A customers. The tables below calculate specific amounts for each customer who made the change. Consistent with both decisions for 2016 rates and EDDVAR, distributors are generally expected to settle the amount through 12 equal adjustments to bills. A one-time settlement is acceptable if the affected customer has expressed a clear preference for this approach. (see Filing Requirements section 3.2.5.2)

Year of Group 1 Account Balance Last Disposed	**2016**	**(e.g. If in the 2017 EDR process, you received approval to dispose the GA variance account balance as of December 31, 2014, please enter 2014 in cell C16.)**

Allocation of total Non-RPP consumption (kWh) between Class B and New Class A (Former Class B) customers

		Total	2017
Total Class B Consumption for Years Since Last Disposition (Non-RPP consumption LESS WMP and Class A)	A	3,199,286,466	3,199,286,466
New Class A Customer(s)' Former Class B Consumption	B	313,835,212	313,835,212
Portion of Consumption of Former Class B Customers	C=B/A	**9.81%**	

Allocation of Total GA Balance $

Total GA Balance	D	$ 5,542,717
New Class A Customer(s)' Former Class B Portion of GA Balance	E=C*D	$ 543,715
GA Balance to be disposed to Current Class B Customers	F=D-E	$ 4,999,002

Allocation of GA Balances to Former Class B Customers

# of Former Class B customer(s)						
Customer		**Total Metered kWh Consumption for each new Class A customer for the period prior to becoming Class A**	**Metered kWh Consumption for each new Class A customer for the period prior to becoming Class A in 2017**	**% of kWh**	**Customer specific GA allocation for the period prior to becoming Class A**	**Monthly Equal Payments**
Customer 1		5,382,021	5,382,021	1.71%	$ 9,324	$ 777
Customer 2		2,398,549	2,398,549	0.76%	$ 4,155	$ 346
Customer 3		4,653,972	4,653,972	1.48%	$ 8,063	$ 671.91
Customer 4		5,067,325	5,067,325	1.61%	$ 8,779	$ 731.59
Customer 5		4,261,871	4,261,871	1.36%	$ 7,384	$ 615.30
Customer 6		2,774,875	2,774,875	0.88%	$ 4,807	$ 400.62
Customer 7		6,770,068	6,770,068	2.16%	$ 11,729	$ 977.42
Customer 8		2,966,463	2,966,463	0.95%	$ 5,139	$ 428.28
Customer 9		5,992,308	5,992,308	1.91%	$ 10,382	$ 865.13
Customer 10		2,375,029	2,375,029	0.76%	$ 4,115	$ 342.89
Customer 11		3,216,399	3,216,399	1.02%	$ 5,572	$ 464.36
Customer 12		15,509,176	15,509,176	4.94%	$ 26,869	$ 2,239.12
Customer 13		1,799,641	1,799,641	0.57%	$ 3,118	$ 259.82
Customer 14		3,718,251	3,718,251	1.18%	$ 6,442	$ 536.82
Customer 15		5,149,167	5,149,167	1.64%	$ 8,921	$ 743.40
Customer 16		5,174,787	5,174,787	1.65%	$ 8,965	$ 747.10
Customer 17		4,718,363	4,718,363	1.50%	$ 8,174	$ 681.21
Customer 18		5,775,895	5,775,895	1.84%	$ 10,007	$ 833.89
Customer 19		1,369,819	1,369,819	0.44%	$ 2,373	$ 197.77
Customer 20		3,237,960	3,237,960	1.03%	$ 5,610	$ 467.48
Customer 21		4,894,962	4,894,962	1.56%	$ 8,480	$ 706.70
Customer 22		3,950,390	3,950,390	1.26%	$ 6,844	$ 570.33
Customer 23		2,029,896	2,029,896	0.65%	$ 3,517	$ 293.06
Customer 24		2,018,129	2,018,129	0.64%	$ 3,496	$ 291.37
Customer 25		617,671	617,671	0.20%	$ 1,070	$ 89.18
Customer 26		4,331,707	4,331,707	1.38%	$ 7,505	$ 625.38
Customer 27		6,246,687	6,246,687	1.99%	$ 10,822	$ 901.86
Customer 28		5,498,220	5,498,220	1.75%	$ 9,526	$ 793.80
Customer 29		2,380,106	2,380,106	0.76%	$ 4,123	$ 343.62
Customer 30		1,719,400	1,719,400	0.55%	$ 2,979	$ 248.24
Customer 31		1,109,140	1,109,140	0.35%	$ 1,922	$ 160.13
Customer 32		3,862,217	3,862,217	1.23%	$ 6,691	$ 557.60
Customer 33		4,255,554	4,255,554	1.36%	$ 7,373	$ 614.39
Customer 34		1,447,525	1,447,525	0.46%	$ 2,508	$ 208.98
Customer 35		2,028,168	2,028,168	0.65%	$ 3,514	$ 292.81
Customer 36		4,195,985	4,195,985	1.34%	$ 7,269	$ 605.79
Customer 37		3,329,163	3,329,163	1.06%	$ 5,768	$ 480.64
Customer 38		1,408,076	1,408,076	0.45%	$ 2,439	$ 203.29
Customer 39		4,504,175	4,504,175	1.44%	$ 7,803	$ 650.28
Customer 40		4,129,831	4,129,831	1.32%	$ 7,155	$ 596.24
Customer 41		2,752,831	2,752,831	0.88%	$ 4,769	$ 397.44
Customer 42		7,868,059	7,868,059	2.51%	$ 13,631	$ 1,135.94
Customer 43		3,156,084	3,156,084	1.01%	$ 5,468	$ 455.66
Customer 44		4,661,982	4,661,982	1.49%	$ 8,077	$ 673.07
Customer 45		4,771,711	4,771,711	1.52%	$ 8,267	$ 688.91
Customer 46		2,600,263	2,600,263	0.83%	$ 4,505	$ 375.41
Customer 47		2,780,357	2,780,357	0.89%	$ 4,817	$ 401.41
Customer 48		3,256,262	3,256,262	1.04%	$ 5,641	$ 470.12
Customer 49		5,283,339	5,283,339	1.68%	$ 9,153	$ 762.78
Customer 50		2,912,705	2,912,705	0.93%	$ 5,046	$ 420.52
Customer 51		3,173,278	3,173,278	1.01%	$ 5,498	$ 458.14
Customer 52		3,422,267	3,422,267	1.09%	$ 5,929	$ 494.09
Customer 53		4,300,191	4,300,191	1.37%	$ 7,450	$ 620.83
Customer 54		2,691,099	2,691,099	0.86%	$ 4,662	$ 388.52
Customer 55		3,096,244	3,096,244	0.99%	$ 5,364	$ 447.02
Customer 56		9,209,604	9,209,604	2.93%	$ 15,956	$ 1,329.63
Customer 57		6,208,431	6,208,431	1.98%	$ 10,756	$ 896.33
Customer 58		2,754,773	2,754,773	0.88%	$ 4,773	$ 397.72
Customer 59		5,485,077	5,485,077	1.75%	$ 9,503	$ 791.90
Customer 60		2,998,332	2,998,332	0.96%	$ 5,195	$ 432.88
Customer 61		5,503,267	5,503,267	1.75%	$ 9,534	$ 794.53
Customer 62		4,702,419	4,702,419	1.50%	$ 8,147	$ 678.91
Customer 63		10,467,200	10,467,200	3.34%	$ 18,134	$ 1,511.19
Customer 64		1,447,248	1,447,248	0.46%	$ 2,507	$ 208.94
Customer 65		8,867,691	8,867,691	2.83%	$ 15,363	$ 1,280.26
Customer 66		4,066,477	4,066,477	1.30%	$ 7,045	$ 587.09
Customer 67		6,114,190	6,114,190	1.95%	$ 10,593	$ 882.73
Customer 68		7,752,468	7,752,468	2.47%	$ 13,431	$ 1,119.25
Customer 69		2,660,559	2,660,559	0.85%	$ 4,609	$ 384.12
Customer 70		5,166,515	5,166,515	1.65%	$ 8,951	$ 745.91
Customer 71		2,411,814	2,411,814	0.77%	$ 4,178	$ 348.20
Customer 72		4,947,602	4,947,602	1.58%	$ 8,572	$ 714.30
Customer 73		4,661,449	4,661,449	1.49%	$ 8,076	$ 672.99
Customer 74		5,414,482	5,414,482	1.73%	$ 9,381	$ 781.71
Total		313,835,212	313,835,212	100.00%	$ 543,715	

INCENTIVE REGULATION MODEL FOR 2019 FILERS

This tab allocates the GA balance to former Class A customers who contributed to the current Class B GA balance once switched to Class B customers. The tables below calculate specific amounts for each customer who made the transition. Consistent with both decisions for 2016 rates and EDDVAR, distributors are generally expected to settle the amount through 12 equal adjustments to bills. A one-time settlement is acceptable if the affected customer has expressed a clear preference for this approach. (see Filing Requirements section 3.2.5.2)

Year of Group 1 Account Balance Last Disposed	**2016**	**(e.g. If in the 2017 EDR process, you received approval to dispose the GA variance account balance as of December 31, 2014, please enter 2014 in cell C16.)**

Allocation of total Non-RPP consumption (kWh) between Class B and New Class B (Former Class A) customers

		Total	2017
Total Class B Consumption for Years Since Last Disposition (Non-RPP consumption LESS WMP and Class A)	A	3,199,286,466	3,199,286,466
New Class B Customer(s)' Consumption	B	58,576,330	58,576,330
Portion of Consumption of New Class B Customers	C=B/A	**1.83%**	

Allocation of Total GA Balance $

Total GA Calss B Balance adjusted for Class A	D	$ 5,542,717
New Class B Customer(s)' Former Class A Portion of GA Balance attributable to Class B	E=C*D	$ 101,483
New Class A Customer(s)' Former Class B Portion of GA Balance	F=Sheet 6A	$ 543,715
GA Balance to be disposed to Current Class B Customers	**G=D-E-F**	**$ 4,897,520**

Input into Sheet 6. GA Calculation

Allocation of GA Balances to Former Class A Customers

# of Former Class B customer(s)

Customer		**Total Metered kWh Consumption for each new Class B customer for the period after becoming Class B**	**Metered kWh Consumption for each new Class B customer for the period after becoming Class B in 2017**	**% of kWh**	**Customer specific GA allocation for the period after becoming Class B**	**Monthly Equal Payments**
Customer 1		28,015,213	28,015,213	47.80%	$ 48,508	$ 4,042
Customer 2		30,594,898	30,594,898	52.20%	$ 52,975	$ 4,415
				0.00%	$ -	$ -
Total		58,610,111	58,610,111	100.00%	$ 101,483	

INCENTIVE REGULATION MODEL FOR 2019 FILERS

The purpose of this tab is to calculate the CBR rate riders for all current Class B customers of the distributor.
Identify and input the total billed consumption for former Class B customers prior to becoming Class A customers in Column H.

Account 1580

Variance WMS – Sub-account CBR Class A	$	-
Variance WMS – Sub-account CBR Class B	$	38,393

	Total Metered LESS WMP		Total Metered Class A Consumption/Demand in 2017 (partial and/or full year Class A customers)*		Total Metered Consumption/Demand for New Class A customer(s) in the period prior to becoming Class A (i.e. Jan 1 - Jun 30, 2017)		Total Metered Consumption for New Class B customer(s) in the period after becoming Class B (i.e. Jul 1 - Dec 31, 2017)		Metered Consumption for Current Class B Customers (metered consumption/demand LESS WMP, Class A and new Class A's former Class B, if applicable)		% of total kWh	Total CBR $ allocated to Current Class B Customers	CBR Rate Rider	
	kWh	kW	kWh	kW	kWh	kW	kWh	kW	kWh	kW				
RESIDENTIAL SERVICE CLASSIFICATION	1,440,461,108	0	0		0		0		1,440,461,108	0	27.622%	$9,898	$0.00001	kwh
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	618,679,646	0	0		0		0		618,679,646	0	11.864%	$4,251	$0.00001	kwh
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION	1,991,646,559	5,773,382	0		0		0		1,991,646,559	5,773,382	38.191%	$13,685	$0.00237	kW
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	1,991,041,119	4,581,931	539,356,029	1,131,283	313,835,212	643,138	0		1,137,849,878	2,807,511	21.819%	$7,819	$0.00278	kW
LARGE USE SERVICE CLASSIFICATION	981,267,691	1,753,816	922,691,361	1,625,696	0		58,576,330	128,119	0	0	0.000%	$0	$0.00001	kwh
STANDBY POWER SERVICE CLASSIFICATION	0	0	0		0		0		0	0	0.000%	$0		kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	11,421,124	0	0		0		0		11,421,124	0	0.219%	$78	$0.00001	kW
STREET LIGHTING SERVICE CLASSIFICATION	14,875,866	41,240	0		0		0		14,875,866	41,240	0.285%	$102	$0.00248	kW
0														
	7,049,393,114	12,150,368	1,462,047,390	2,756,979	313,835,212	643,138	58,576,330	128,119	5,214,934,181	8,622,133	100.0%	$35,834		
												from Sheet 7B		

*For new Class A customers (who became Class A in 2017), add their consumption only related to July to December period.

INCENTIVE REGULATION MODEL FOR 2019 FILERS

This tab allocates the CBR balance to former Class B customers who contributed to the current CBR balance but are now Class A customers. The tables below calculate specific amounts for each customer who made the change. Consistent with both decisions for 2016 rates and EDDVAR, distributors are generally expected to settle the amount through 12 equal adjustments to bills. A one-time settlement is acceptable if the affected customer has expressed a clear preference for this approach. (see Filing Requirements section 3.2.5.2)

Year of Group 1 Account Balance Last Disposed	**2016**

Allocation of total Non-RPP consumption (kWh) between Class B and New Class A (Former Class B) customers

		Total	2017
Total MeteredConsumption for Years Since Last Disposition (consumption LESS WMP and Class A)	A	5,587,345,724	5,587,345,724
New Class A Customer(s)' Former Class B Consumption	B	313,835,212	313,835,212
Portion of Consumption of Former Class B Customers	C=B/A	**5.62%**	

Allocation of Total CBR Class B Balance $

Total CBR-Class B Balance	D	$ 38,393
New Class A Customer(s)' Former Class B Portion of CBR-Class B Balance	E=C*D	$ 2,156.48
CBR-Class B Balance to be disposed to Current Class B Customers **(if no Class A to Class B Transition Customers)**	F=D-E	$ 36,236

Allocation of CBR Class B Balances to Former Class B Customers

# of Former Class B customer(s)			2			
Customer		**Total Metered kWh Consumption for each new Class A customer for the period prior to becoming Class A**	**Metered kWh Consumption for each new Class A customer for the period prior to becoming Class A in 2017**	**% of kWh**	**Customer specific CBR-Class B allocation for the period prior to becoming Class A**	**Monthly Equal Payments**
Customer 1		5,382,021	5,382,021	1.71%	$ 37	$ 3
Customer 2		2,398,549	2,398,549	0.76%	$ 16	$ 1
Customer 3		4,653,972	4,653,972	1.48%	$ 32	$ 3
Customer 4		5,067,325	5,067,325	1.61%	$ 35	$ 3
Customer 5		4,261,871	4,261,871	1.36%	$ 29	$ 2
Customer 6		2,774,875	2,774,875	0.88%	$ 19	$ 2
Customer 7		6,770,068	6,770,068	2.16%	$ 47	$ 4
Customer 8		2,966,463	2,966,463	0.95%	$ 20	$ 2
Customer 9		5,992,308	5,992,308	1.91%	$ 41	$ 3
Customer 10		2,375,029	2,375,029	0.76%	$ 16	$ 1
Customer 11		3,216,399	3,216,399	1.02%	$ 22	$ 2
Customer 12		15,509,176	15,509,176	4.94%	$ 107	$ 9
Customer 13		1,799,641	1,799,641	0.57%	$ 12	$ 1
Customer 14		3,718,251	3,718,251	1.18%	$ 26	$ 2
Customer 15		5,149,167	5,149,167	1.64%	$ 35	$ 3
Customer 16		5,174,787	5,174,787	1.65%	$ 36	$ 3
Customer 17		4,718,363	4,718,363	1.50%	$ 32	$ 3
Customer 18		5,775,895	5,775,895	1.84%	$ 40	$ 3
Customer 19		1,369,819	1,369,819	0.44%	$ 9	$ 1
Customer 20		3,237,960	3,237,960	1.03%	$ 22	$ 2
Customer 21		4,894,962	4,894,962	1.56%	$ 34	$ 3
Customer 22		3,950,390	3,950,390	1.26%	$ 27	$ 2
Customer 23		2,029,896	2,029,896	0.65%	$ 14	$ 1
Customer 24		2,018,129	2,018,129	0.64%	$ 14	$ 1
Customer 25		617,671	617,671	0.20%	$ 4	$ 0
Customer 26		4,331,707	4,331,707	1.38%	$ 30	$ 2
Customer 27		6,246,687	6,246,687	1.99%	$ 43	$ 4
Customer 28		5,498,220	5,498,220	1.75%	$ 38	$ 3
Customer 29		2,380,106	2,380,106	0.76%	$ 16	$ 1
Customer 30		1,719,400	1,719,400	0.55%	$ 12	$ 1
Customer 31		1,109,140	1,109,140	0.35%	$ 8	$ 1
Customer 32		3,862,217	3,862,217	1.23%	$ 27	$ 2
Customer 33		4,255,554	4,255,554	1.36%	$ 29	$ 2
Customer 34		1,447,525	1,447,525	0.46%	$ 10	$ 1
Customer 35		2,028,168	2,028,168	0.65%	$ 14	$ 1
Customer 36		4,195,985	4,195,985	1.34%	$ 29	$ 2
Customer 37		3,329,163	3,329,163	1.06%	$ 23	$ 2
Customer 38		1,408,076	1,408,076	0.45%	$ 10	$ 1
Customer 39		4,504,175	4,504,175	1.44%	$ 31	$ 3
Customer 40		4,129,831	4,129,831	1.32%	$ 28	$ 2
Customer 41		2,752,831	2,752,831	0.88%	$ 19	$ 2
Customer 42		7,868,059	7,868,059	2.51%	$ 54	$ 5
Customer 43		3,156,084	3,156,084	1.01%	$ 22	$ 2
Customer 44		4,661,982	4,661,982	1.49%	$ 32	$ 3
Customer 45		4,771,711	4,771,711	1.52%	$ 33	$ 3
Customer 46		2,600,263	2,600,263	0.83%	$ 18	$ 1
Customer 47		2,780,357	2,780,357	0.89%	$ 19	$ 2
Customer 48		3,256,262	3,256,262	1.04%	$ 22	$ 2
Customer 49		5,283,339	5,283,339	1.68%	$ 36	$ 3
Customer 50		2,912,705	2,912,705	0.93%	$ 20	$ 2
Customer 51		3,173,278	3,173,278	1.01%	$ 22	$ 2
Customer 52		3,422,267	3,422,267	1.09%	$ 24	$ 2
Customer 53		4,300,191	4,300,191	1.37%	$ 30	$ 2
Customer 54		2,691,099	2,691,099	0.86%	$ 18	$ 2
Customer 55		3,096,244	3,096,244	0.99%	$ 21	$ 2
Customer 56		9,209,604	9,209,604	2.93%	$ 63	$ 5
Customer 57		6,208,431	6,208,431	1.98%	$ 43	$ 4
Customer 58		2,754,773	2,754,773	0.88%	$ 19	$ 2
Customer 59		5,485,077	5,485,077	1.75%	$ 38	$ 3
Customer 60		2,998,332	2,998,332	0.96%	$ 21	$ 2
Customer 61		5,503,267	5,503,267	1.75%	$ 38	$ 3
Customer 62		4,702,419	4,702,419	1.50%	$ 32	$ 3
Customer 63		10,467,200	10,467,200	3.34%	$ 72	$ 6
Customer 64		1,447,248	1,447,248	0.46%	$ 10	$ 1
Customer 65		8,867,691	8,867,691	2.83%	$ 61	$ 5
Customer 66		4,066,477	4,066,477	1.30%	$ 28	$ 2
Customer 67		6,114,190	6,114,190	1.95%	$ 42	$ 4
Customer 68		7,752,468	7,752,468	2.47%	$ 53	$ 4
Customer 69		2,660,559	2,660,559	0.85%	$ 18	$ 2
Customer 70		5,166,515	5,166,515	1.65%	$ 36	$ 3
Customer 71		2,411,814	2,411,814	0.77%	$ 17	$ 1
Customer 72		4,947,602	4,947,602	1.58%	$ 34	$ 3
Customer 73		4,661,449	4,661,449	1.49%	$ 32	$ 3
Customer 74		5,414,482	5,414,482	1.73%	$ 37	$ 3
Total		313,835,212	313,835,212	100.00%	$ 2,156	

INCENTIVE REGULATION MODEL FOR 2019 FILERS

This tab allocates the CBR-Class B balance to former Class A customers who contributed to the current CBR-Class B balance once switched to Class B customers. The tables below calculate specific amounts for each customer who made the transition. Consistent with both decisions for 2016 rates and EDDVAR, distributors are generally expected to settle the amount through 12 equal adjustments to bills. A one-time settlement is acceptable if the affected customer has expressed a clear preference for this approach. (see Filing Requirements section 3.2.5.2)

Year of Group 1 Account Balance Last Disposed | **2016**

Allocation of total Non-RPP consumption (kWh) between Class B and New Class B (Former Class A) customers

		Total	2017
Total Class B Consumption for Years Since Last Disposition (Non-RPP consumption LESS WMP and Class A)	A	5,587,345,724	5,587,345,724
New Class B Customer(s)' Consumption	B	58,610,111	58,610,111
Portion of Consumption of New Class B Customers	C=B/A	**1.05%**	

Allocation of Total CBR-Class B Balance $

Total CBR-Calss B Balance adjusted for Class A	D	$ 38,393	
New Class B Customer(s)' Former Class A Portion of CBR-Class B Balance attributable to Class B	E=C*D	$ 403	
New Class A Customer(s)' Former Class B Portion of CBR-Class B Balance	F=Sheet 6A	$ 2,156	
CBR-Class B Balance to be disposed to Current Class B Customers	**G=D-E-F**	**$ 35,834**	Input into Sheet 7. CBR Calculation

Allocation of CBR-Class B Balances to Former Class A Customers

# of Former Class B customer(s)			2			
Customer		**Total Metered kWh Consumption for each new Class B customer for the period after becoming Class B**	**Metered kWh Consumption for each new Class B customer for the period after becoming Class B in 2017**	**% of kWh**	**Customer specific CBR-Class B allocation for the period after becoming Class B**	**Monthly Equal Payments**
Customer 1		28,015,213	28,015,213	47.80%	$ 193	$ 16
Customer 2		30,594,898	30,594,898	52.20%	$ 210	$ 18
Total		58,610,111	58,610,111	100.00%	$ 403	

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Input required at cell D13 only. This worksheet 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**
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	1,440,461,108	0	1,440,461,108	0	(565,426)		(0.0004)	0.0000	0.0002	
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	618,679,646	0	618,679,646	0	(234,713)		(0.0004)	0.0000	0.0002	
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION	kW	1,993,768,779	5,780,039	1,991,646,559	5,773,382	1,264,937	(2,011,169)	0.2188	(0.3484)	0.1951	
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kW	2,006,067,810	4,610,762	1,991,041,119	4,581,931	1,272,740	(2,010,558)	0.2760	(0.4388)	0.0752	
LARGE USE SERVICE CLASSIFICATION	kW	981,267,691	1,753,816	981,267,691	1,753,816	(368,326)		(0.2100)	0.0000	0.0640	
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0		0.0000	0.0000	0.0000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	11,421,124	0	11,421,124	0	(4,287)		(0.0004)	0.0000	0.0000	
STREET LIGHTING SERVICE CLASSIFICATION	kW	14,875,866	41,240	14,875,866	41,240	(5,584)		(0.1354)	0.0000	(3.7908)	
											(2,662,387)
											0

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

[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 H and disposed through a combined Deferral/Variance Account and Rate Rider.

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Summary - Sharing of Tax Change Forecast Amounts

For the 2013 year, enter any Tax Credits from the Cost of Service Tax Calculation (Positive #)

1. Tax Related Amounts Forecast from Capital Tax Rate Changes	**2013**	**2018**
Taxable Capital **(if you are not claiming capital tax, please enter your OEB-Approved Rate Base)**		$ -
Deduction from taxable capital up to $15,000,000		$ -
Net Taxable Capital	$ -	$ -
Rate		0.00%
Ontario Capital Tax (Deductible, not grossed-up)	$ -	$ -
2. Tax Related Amounts Forecast from Income Tax Rate Changes		
Regulatory Taxable Income		$ -
Corporate Tax Rate	26.50%	15.00%
Tax Impact	$ -	$ -
Grossed-up Tax Amount	$ -	$ -
Tax Related Amounts Forecast from Capital Tax Rate Changes	$ -	$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	$ -	$ -
Total Tax Related Amounts	$ -	$ -
Incremental Tax Savings		$ -
Sharing of Tax Amount (50%)		**$ -**

INCENTIVE REGULATION MODEL FOR 2019 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 D through I.
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
		A	B	C	D	E	F	G = A * D *12	H = B * E	I = C * F	J = G + H + I	K = G / J	L = H / J	M = I / J	N = J / R
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 499 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 500 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%
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%
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%
								0	0	0	0	0.0%	0.0%	0.0%	0.0%
								0	0	0	0	0.0%	0.0%	0.0%	0.0%
								0	0	0	0	0.0%	0.0%	0.0%	0.0%
								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		175,477	3,955,443,833	5,824,211				25,972,498	26,102,165	17,400,756	69,475,420				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	1,440,461,108		$ -	$ -	$/Customer
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	618,679,646		$ -	$ -	$/kWh
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION	kW	1,993,768,779	5,780,039	$ -	$ -	$/kW
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kW	2,006,067,810	4,610,762	$ -	$ -	$/kW
LARGE USE SERVICE CLASSIFICATION	kW	981,267,691	1,753,816	$ -	$ -	$/kWh
STANDBY POWER SERVICE CLASSIFICATION	kW			$ -		$/kWh
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	11,421,124		$ -	$ -	$/kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	14,875,866	41,240	$ -	$ -	$/kW
				$ -		$/kWh
				$ -		$/kWh
				$ -		$/kW
				$ -		
				$ -		
		7,066,542,026	**12,185,857**	**$ -**		

If the allocated tax sharing amount does not produce a rate rider in one or more rate class (except for the Standby rate class), a distributor is required to transfer the entire OEB-approved tax sharing amount into account 1595 for disposition at a later date (see Filing Requirements, Appendix B)

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Columns F and G must match the data from the most recent RRR filing.
Rates have been imported from Tab 2. As well, the Loss Factor has been imported from "Model Specs" tab.
If the data needs to be modified, please make the necessary adjustments and note the changes in your manager's summary.

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	1,440,461,108	0	1.0000	1,440,461,108
RESIDENTIAL SERVICE CLASSIFICATION	Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kWh	0.0071	1,440,461,108	0	1.0000	1,440,461,108
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFI(	Retail Transmission Rate – Network Service Rate	$/kWh	0.0071	618,679,646	0	1.0000	618,679,646
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFI(	Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kWh	0.0064	618,679,646	0	1.0000	618,679,646
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATIO	Retail Transmission Rate – Network Service Rate	$/kW	2.7325	1,993,768,779	5,780,039	1.0000	
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATIO	Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kW	2.5347	1,993,768,779	5,780,039	1.0000	
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICA	Retail Transmission Rate – Network Service Rate	$/kW	2.6436	2,006,067,810	4,610,762	1.0000	
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICA	Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kW	2.4803	2,006,067,810	4,610,762	1.0000	
LARGE USE SERVICE CLASSIFICATION	Retail Transmission Rate – Network Service Rate – Interval Metered	$/kW	2.8211	981,267,691	1,753,816	1.0000	
LARGE USE SERVICE CLASSIFICATION	Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval Metered	$/kW	2.6491	981,267,691	1,753,816	1.0000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATIO	Retail Transmission Rate – Network Service Rate	$/kWh	0.0071	11,421,124	0	1.0000	11,421,124
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATIO	Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kWh	0.0064	11,421,124	0	1.0000	11,421,124
STREET LIGHTING SERVICE CLASSIFICATION	Retail Transmission Rate – Network Service Rate	$/kW	1.8924	14,875,866	41,240	1.0000	
STREET LIGHTING SERVICE CLASSIFICATION	Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kW	1.8329	14,875,866	41,240	1.0000	

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Uniform Transmission Rates	Unit	2017	2018	2019
Rate Description		**Rate**	**Rate**	**Rate**
Network Service Rate	kW	$ 3.52	$ 3.61	$ 3.61
Line Connection Service Rate	kW	$ 0.88	$ 0.95	$ 0.95
Transformation Connection Service Rate	kW	$ 2.13	$ 2.34	$ 2.34

Hydro One Sub-Transmission Rates	Unit	2017		2018	2019
Rate Description		**Rate**	**Rate**	**Rate**	**Rate**
Network Service Rate	kW	$	3.1942	$ 3.1942	$ 3.1942
Line Connection Service Rate	kW	$	0.7710	$ 0.7710	$ 0.7710
Transformation Connection Service Rate	kW	$	1.7493	$ 1.7493	$ 1.7493
Both Line and Transformation Connection Service Rate	kW	$	2.5203	$ 2.5203	$ 2.5203

If needed, add extra host here. (I)	Unit	2016	2017	2018
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	2016	2017	2018
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 2016	Current 2017	Forecast 2018
Low Voltage Switchgear Credit (if applicable, enter as a negative value)	$			

INCENTIVE REGULATION MODEL FOR 2019 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 orange, 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 Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	911,329	$3.66	$ 3,335,464	993,026	$0.87	$ 863,933	993,026	$2.02	$ 2,005,913	$ 2,869,845
February	885,223	$3.66	$ 3,239,916	924,639	$0.87	$ 804,436	924,639	$2.02	$ 1,867,771	$ 2,672,207
March	858,237	$3.66	$ 3,141,147	922,202	$0.87	$ 802,316	922,202	$2.02	$ 1,862,848	$ 2,665,164
April	814,375	$3.66	$ 2,980,613	861,996	$0.87	$ 753,404	861,996	$2.03	$ 1,749,282	$ 2,502,686
May	923,087	$3.66	$ 3,378,498	980,758	$0.87	$ 853,259	980,758	$2.02	$ 1,981,131	$ 2,834,391
June	1,127,983	$3.66	$ 4,128,418	1,176,871	$0.87	$ 1,023,878	1,176,871	$2.02	$ 2,377,279	$ 3,401,157
July	1,083,391	$3.66	$ 3,965,211	1,139,021	$0.87	$ 990,948	1,139,021	$2.02	$ 2,300,822	$ 3,291,771
August	1,084,014	$3.76	$ 4,070,575	1,122,294	$0.92	$ 1,030,480	1,122,294	$2.13	$ 2,392,609	$ 3,423,089
September	1,111,718	$3.57	$ 3,965,804	1,181,855	$0.83	$ 984,776	1,181,855	$1.93	$ 2,286,491	$ 3,271,266
October	846,142	$3.66	$ 3,096,880	911,316	$0.87	$ 792,845	911,316	$2.02	$ 1,840,858	$ 2,633,703
November	827,342	$1.89	$ 1,561,874	897,408	$0.99	$ 891,981	897,408	$3.38	$ 3,036,363	$ 3,928,344
December	961,225	$4.92	$ 4,733,882	1,022,498	$0.78	$ 797,536	1,022,498	$1.03	$ 1,053,037	$ 1,850,573
Total	11,434,066	$ 3.64	$ 41,598,282	12,133,884	$ 0.87	$ 10,589,792	12,133,884	$ 2.04	$ 24,754,404	$ 35,344,196

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	190,372	$3.19	$ 608,088	174,973	$0.77	$ 134,904	200,561	$1.75	$ 350,842	$ 485,746
February	173,119	$3.19	$ 552,977	149,924	$0.77	$ 115,591	176,107	$1.75	$ 308,064	$ 423,656
March	184,167	$3.19	$ 588,267	159,688	$0.77	$ 123,120	188,668	$1.75	$ 330,037	$ 453,156
April	160,011	$3.19	$ 511,107	137,658	$0.77	$ 106,135	160,018	$1.75	$ 279,920	$ 386,055
May	186,789	$3.19	$ 596,643	183,989	$0.77	$ 141,855	208,329	$1.75	$ 364,430	$ 506,286
June	198,959	$3.19	$ 635,513	180,215	$0.77	$ 138,946	205,609	$1.75	$ 359,672	$ 498,618
July	207,903	$3.19	$ 664,084	220,222	$0.77	$ 169,791	245,743	$1.75	$ 429,878	$ 599,669
August	202,326	$3.19	$ 646,271	213,420	$0.77	$ 164,547	240,730	$1.75	$ 421,109	$ 585,656
September	198,924	$3.19	$ 635,402	178,944	$0.77	$ 137,966	204,012	$1.75	$ 356,879	$ 494,844
October	192,116	$3.19	$ 613,658	167,754	$0.77	$ 129,338	192,823	$1.75	$ 337,305	$ 466,643
November	194,542	$3.19	$ 621,405	171,280	$0.77	$ 132,057	194,781	$1.75	$ 340,730	$ 472,787
December	207,697	$3.19	$ 663,426	182,642	$0.77	$ 140,817	207,697	$1.75	$ 363,324	$ 504,141
Total	2,296,926	$ 3.19	$ 7,336,840	2,120,709	$ 0.77	$ 1,635,067	2,425,079	$ 1.75	$ 4,242,190	$ 5,877,257

Total	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	1,101,701	$3.58	$ 3,943,552	1,167,999	$0.86	$ 998,837	1,193,587	$1.97	$ 2,356,754	$ 3,355,591
February	1,058,342	$3.58	$ 3,792,893	1,074,563	$0.86	$ 920,027	1,100,746	$1.98	$ 2,175,835	$ 3,095,862
March	1,042,404	$3.58	$ 3,729,414	1,081,890	$0.86	$ 925,436	1,110,870	$1.97	$ 2,192,885	$ 3,118,320
April	974,386	$3.58	$ 3,491,720	999,654	$0.86	$ 859,538	1,022,014	$1.99	$ 2,029,203	$ 2,888,741
May	1,109,876	$3.58	$ 3,975,141	1,164,747	$0.85	$ 995,115	1,189,087	$1.97	$ 2,345,562	$ 3,340,676
June	1,326,942	$3.59	$ 4,763,931	1,357,086	$0.86	$ 1,162,824	1,382,480	$1.98	$ 2,736,952	$ 3,899,776
July	1,291,294	$3.59	$ 4,629,295	1,359,243	$0.85	$ 1,160,740	1,384,764	$1.97	$ 2,730,700	$ 3,891,440
August	1,286,340	$3.67	$ 4,716,846	1,335,714	$0.89	$ 1,195,027	1,363,024	$2.06	$ 2,813,718	$ 4,008,745
September	1,310,642	$3.51	$ 4,601,206	1,360,799	$0.83	$ 1,122,741	1,385,867	$1.91	$ 2,643,369	$ 3,766,111
October	1,038,258	$3.57	$ 3,710,538	1,079,070	$0.85	$ 922,183	1,104,139	$1.97	$ 2,178,163	$ 3,100,346
November	1,021,884	$2.14	$ 2,183,279	1,068,688	$0.96	$ 1,024,038	1,092,189	$3.09	$ 3,377,093	$ 4,401,131
December	1,168,922	$4.62	$ 5,397,308	1,205,140	$0.78	$ 938,353	1,230,195	$1.15	$ 1,416,362	$ 2,354,714
Total	13,730,992	$ 3.56	$ 48,935,122	14,254,593	$ 0.86	$ 12,224,858	14,558,963	$ 1.99	$ 28,996,595	$ 41,221,453

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 41,221,453

INCENTIVE REGULATION MODEL FOR 2019 FILERS

The purpose of this sheet is to calculate the expected billing when current 2018 Uniform Transmission Rates are applied against historical 2017 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Line
Month	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Amount**
January	911,329	$ 3.6100	$ 3,289,898	993,026	$ 0.9500	$ 943,375	993,026	$ 2.3400	$ 2,323,681	$ 3,267,056
February	885,223	$ 3.6100	$ 3,195,655	924,639	$ 0.9500	$ 878,407	924,639	$ 2.3400	$ 2,163,655	$ 3,042,062
March	858,237	$ 3.6100	$ 3,098,236	922,202	$ 0.9500	$ 876,092	922,202	$ 2.3400	$ 2,157,953	$ 3,034,045
April	814,375	$ 3.6100	$ 2,939,894	861,996	$ 0.9500	$ 818,896	861,996	$ 2.3400	$ 2,017,071	$ 2,835,967
May	923,087	$ 3.6100	$ 3,332,344	980,758	$ 0.9500	$ 931,720	980,758	$ 2.3400	$ 2,294,974	$ 3,226,694
June	1,127,983	$ 3.6100	$ 4,072,019	1,176,871	$ 0.9500	$ 1,118,027	1,176,871	$ 2.3400	$ 2,753,878	$ 3,871,906
July	1,083,391	$ 3.6100	$ 3,911,042	1,139,021	$ 0.9500	$ 1,082,070	1,139,021	$ 2.3400	$ 2,665,309	$ 3,747,379
August	1,084,014	$ 3.6100	$ 3,913,291	1,122,294	$ 0.9500	$ 1,066,179	1,122,294	$ 2.3400	$ 2,626,168	$ 3,692,347
September	1,111,718	$ 3.6100	$ 4,013,302	1,181,855	$ 0.9500	$ 1,122,762	1,181,855	$ 2.3400	$ 2,765,541	$ 3,888,303
October	846,142	$ 3.6100	$ 3,054,573	911,316	$ 0.9500	$ 865,750	911,316	$ 2.3400	$ 2,132,479	$ 2,998,230
November	827,342	$ 3.6100	$ 2,986,705	897,408	$ 0.9500	$ 852,538	897,408	$ 2.3400	$ 2,099,935	$ 2,952,472
December	961,225	$ 3.6100	$ 3,470,022	1,022,498	$ 0.9500	$ 971,373	1,022,498	$ 2.3400	$ 2,392,645	$ 3,364,018
Total	11,434,066	$ 3.61	$ 41,276,978	12,133,884	$ 0.95	$ 11,527,190	12,133,884	$ 2.34	$ 28,393,289	$ 39,920,478

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Amount**
January	190,372	$ 3.1942	$ 608,088	174,973	$ 0.7710	$ 134,904	200,561	$ 1.7493	$ 350,842	$ 485,746
February	173,119	$ 3.1942	$ 552,977	149,924	$ 0.7710	$ 115,591	176,107	$ 1.7493	$ 308,064	$ 423,656
March	184,167	$ 3.1942	$ 588,267	159,688	$ 0.7710	$ 123,120	188,668	$ 1.7493	$ 330,037	$ 453,156
April	160,011	$ 3.1942	$ 511,107	137,658	$ 0.7710	$ 106,135	160,018	$ 1.7493	$ 279,920	$ 386,055
May	186,789	$ 3.1942	$ 596,643	183,989	$ 0.7710	$ 141,855	208,329	$ 1.7493	$ 364,430	$ 506,286
June	198,959	$ 3.1942	$ 635,514	180,215	$ 0.7710	$ 138,946	205,609	$ 1.7493	$ 359,672	$ 498,618
July	207,903	$ 3.1942	$ 664,084	220,222	$ 0.7710	$ 169,791	245,743	$ 1.7493	$ 429,878	$ 599,669
August	202,326	$ 3.1942	$ 646,271	213,420	$ 0.7710	$ 164,547	240,730	$ 1.7493	$ 421,109	$ 585,656
September	198,924	$ 3.1942	$ 635,402	178,944	$ 0.7710	$ 137,966	204,012	$ 1.7493	$ 356,879	$ 494,844
October	192,116	$ 3.1942	$ 613,658	167,754	$ 0.7710	$ 129,338	192,823	$ 1.7493	$ 337,305	$ 466,643
November	194,542	$ 3.1942	$ 621,405	171,280	$ 0.7710	$ 132,057	194,781	$ 1.7493	$ 340,730	$ 472,787
December	207,697	$ 3.1942	$ 663,426	182,642	$ 0.7710	$ 140,817	207,697	$ 1.7493	$ 363,324	$ 504,141
Total	2,296,926	$ 3.19	$ 7,336,841	2,120,709	$ 0.77	$ 1,635,067	2,425,079	$ 1.75	$ 4,242,190	$ 5,877,257

Total	Network			Line Connection			Transformation Connection			Total Line
Month	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Amount**
January	1,101,701	$ 3.5382	$ 3,897,985	1,167,999	$ 0.9232	$ 1,078,279	1,193,587	$ 2.2407	$ 2,674,523	$ 3,752,801
February	1,058,342	$ 3.5420	$ 3,748,632	1,074,563	$ 0.9250	$ 993,998	1,100,746	$ 2.2455	$ 2,471,719	$ 3,465,718
March	1,042,404	$ 3.5365	$ 3,686,503	1,081,890	$ 0.9236	$ 999,212	1,110,870	$ 2.2397	$ 2,487,989	$ 3,487,201
April	974,386	$ 3.5417	$ 3,451,001	999,654	$ 0.9254	$ 925,031	1,022,014	$ 2.2475	$ 2,296,991	$ 3,222,022
May	1,109,876	$ 3.5400	$ 3,928,987	1,164,747	$ 0.9217	$ 1,073,576	1,189,087	$ 2.2365	$ 2,659,404	$ 3,732,980
June	1,326,942	$ 3.5477	$ 4,707,532	1,357,086	$ 0.9262	$ 1,256,973	1,382,480	$ 2.2521	$ 3,113,551	$ 4,370,524
July	1,291,294	$ 3.5431	$ 4,575,125	1,359,243	$ 0.9210	$ 1,251,861	1,384,764	$ 2.2352	$ 3,095,187	$ 4,347,048
August	1,286,340	$ 3.5446	$ 4,559,562	1,335,714	$ 0.9214	$ 1,230,726	1,363,024	$ 2.2357	$ 3,047,277	$ 4,278,003
September	1,310,642	$ 3.5469	$ 4,648,704	1,360,799	$ 0.9265	$ 1,260,728	1,385,867	$ 2.2530	$ 3,122,419	$ 4,383,147
October	1,038,258	$ 3.5331	$ 3,668,230	1,079,070	$ 0.9222	$ 995,089	1,104,139	$ 2.2368	$ 2,469,784	$ 3,464,873
November	1,021,884	$ 3.5308	$ 3,608,109	1,068,688	$ 0.9213	$ 984,594	1,092,189	$ 2.2347	$ 2,440,665	$ 3,425,259
December	1,168,922	$ 3.5361	$ 4,133,448	1,205,140	$ 0.9229	$ 1,112,190	1,230,195	$ 2.2403	$ 2,755,970	$ 3,868,160
Total	13,730,992	$ 3.54	$ 48,613,819	14,254,593	$ 0.92	$ 13,162,256	14,558,963	$ 2.24	$ 32,635,479	$ 45,797,735
									Low Voltage Switchgear Credit (if applicable)	$ -
									Total including deduction for Low Voltage Switchgear Credit	$ 45,797,735

INCENTIVE REGULATION MODEL FOR 2019 FILERS

The purpose of this sheet is to calculate the expected billing when forecasted 2019 Uniform Transmission Rates are applied against historical 2017 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Line
Month	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Amount**
January	911,329	$ 3.6100	$ 3,289,898	993,026	$ 0.9500	$ 943,375	993,026	$ 2.3400	$ 2,323,681	$ 3,267,056
February	885,223	$ 3.6100	$ 3,195,655	924,639	$ 0.9500	$ 878,407	924,639	$ 2.3400	$ 2,163,655	$ 3,042,062
March	858,237	$ 3.6100	$ 3,098,236	922,202	$ 0.9500	$ 876,092	922,202	$ 2.3400	$ 2,157,953	$ 3,034,045
April	814,375	$ 3.6100	$ 2,939,894	861,996	$ 0.9500	$ 818,896	861,996	$ 2.3400	$ 2,017,071	$ 2,835,967
May	923,087	$ 3.6100	$ 3,332,344	980,758	$ 0.9500	$ 931,720	980,758	$ 2.3400	$ 2,294,974	$ 3,226,694
June	1,127,983	$ 3.6100	$ 4,072,019	1,176,871	$ 0.9500	$ 1,118,027	1,176,871	$ 2.3400	$ 2,753,878	$ 3,871,906
July	1,083,391	$ 3.6100	$ 3,911,042	1,139,021	$ 0.9500	$ 1,082,070	1,139,021	$ 2.3400	$ 2,665,309	$ 3,747,379
August	1,084,014	$ 3.6100	$ 3,913,291	1,122,294	$ 0.9500	$ 1,066,179	1,122,294	$ 2.3400	$ 2,626,168	$ 3,692,347
September	1,111,718	$ 3.6100	$ 4,013,302	1,181,855	$ 0.9500	$ 1,122,762	1,181,855	$ 2.3400	$ 2,765,541	$ 3,888,303
October	846,142	$ 3.6100	$ 3,054,573	911,316	$ 0.9500	$ 865,750	911,316	$ 2.3400	$ 2,132,479	$ 2,998,230
November	827,342	$ 3.6100	$ 2,986,705	897,408	$ 0.9500	$ 852,538	897,408	$ 2.3400	$ 2,099,935	$ 2,952,472
December	961,225	$ 3.6100	$ 3,470,022	1,022,498	$ 0.9500	$ 971,373	1,022,498	$ 2.3400	$ 2,392,645	$ 3,364,018
Total	11,434,066	$ 3.61	$ 41,276,978	12,133,884	$ 0.95	$ 11,527,190	12,133,884	$ 2.34	$ 28,393,289	$ 39,920,478

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Amount**
January	190,372	$ 3.1942	$ 608,088	174,973	$ 0.7710	$ 134,904	200,561	$ 1.7493	$ 350,842	$ 485,746
February	173,119	$ 3.1942	$ 552,977	149,924	$ 0.7710	$ 115,591	176,107	$ 1.7493	$ 308,064	$ 423,656
March	184,167	$ 3.1942	$ 588,267	159,688	$ 0.7710	$ 123,120	188,668	$ 1.7493	$ 330,037	$ 453,156
April	160,011	$ 3.1942	$ 511,107	137,658	$ 0.7710	$ 106,135	160,018	$ 1.7493	$ 279,920	$ 386,055
May	186,789	$ 3.1942	$ 596,643	183,989	$ 0.7710	$ 141,855	208,329	$ 1.7493	$ 364,430	$ 506,286
June	198,959	$ 3.1942	$ 635,514	180,215	$ 0.7710	$ 138,946	205,609	$ 1.7493	$ 359,672	$ 498,618
July	207,903	$ 3.1942	$ 664,084	220,222	$ 0.7710	$ 169,791	245,743	$ 1.7493	$ 429,878	$ 599,669
August	202,326	$ 3.1942	$ 646,271	213,420	$ 0.7710	$ 164,547	240,730	$ 1.7493	$ 421,109	$ 585,656
September	198,924	$ 3.1942	$ 635,402	178,944	$ 0.7710	$ 137,966	204,012	$ 1.7493	$ 356,879	$ 494,844
October	192,116	$ 3.1942	$ 613,658	167,754	$ 0.7710	$ 129,338	192,823	$ 1.7493	$ 337,305	$ 466,643
November	194,542	$ 3.1942	$ 621,405	171,280	$ 0.7710	$ 132,057	194,781	$ 1.7493	$ 340,730	$ 472,787
December	207,697	$ 3.1942	$ 663,426	182,642	$ 0.7710	$ 140,817	207,697	$ 1.7493	$ 363,324	$ 504,141
Total	2,296,926	$ 3.19	$ 7,336,841	2,120,709	$ 0.77	$ 1,635,067	2,425,079	$ 1.75	$ 4,242,190	$ 5,877,257

Total	Network			Line Connection			Transformation Connection			Total Line
Month	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Units Billed**	**Rate**	**Amount**	**Amount**
January	1,101,701	$ 3.54	$ 3,897,985	1,167,999	$ 0.92	$ 1,078,279	1,193,587	$ 2.24	$ 2,674,523	$ 3,752,801
February	1,058,342	$ 3.54	$ 3,748,632	1,074,563	$ 0.93	$ 993,998	1,100,746	$ 2.25	$ 2,471,719	$ 3,465,718
March	1,042,404	$ 3.54	$ 3,686,503	1,081,890	$ 0.92	$ 999,212	1,110,870	$ 2.24	$ 2,487,989	$ 3,487,201
April	974,386	$ 3.54	$ 3,451,001	999,654	$ 0.93	$ 925,031	1,022,014	$ 2.25	$ 2,296,991	$ 3,222,022
May	1,109,876	$ 3.54	$ 3,928,987	1,164,747	$ 0.92	$ 1,073,576	1,189,087	$ 2.24	$ 2,659,404	$ 3,732,980
June	1,326,942	$ 3.55	$ 4,707,532	1,357,086	$ 0.93	$ 1,256,973	1,382,480	$ 2.25	$ 3,113,551	$ 4,370,524
July	1,291,294	$ 3.54	$ 4,575,125	1,359,243	$ 0.92	$ 1,251,861	1,384,764	$ 2.24	$ 3,095,187	$ 4,347,048
August	1,286,340	$ 3.54	$ 4,559,562	1,335,714	$ 0.92	$ 1,230,726	1,363,024	$ 2.24	$ 3,047,277	$ 4,278,003
September	1,310,642	$ 3.55	$ 4,648,704	1,360,799	$ 0.93	$ 1,260,728	1,385,867	$ 2.25	$ 3,122,419	$ 4,383,147
October	1,038,258	$ 3.53	$ 3,668,230	1,079,070	$ 0.92	$ 995,089	1,104,139	$ 2.24	$ 2,469,784	$ 3,464,873
November	1,021,884	$ 3.53	$ 3,608,109	1,068,688	$ 0.92	$ 984,594	1,092,189	$ 2.23	$ 2,440,665	$ 3,425,259
December	1,168,922	$ 3.54	$ 4,133,448	1,205,140	$ 0.92	$ 1,112,190	1,230,195	$ 2.24	$ 2,755,970	$ 3,868,160
Total	13,730,992	$ 3.54	$ 48,613,819	14,254,593	$ 0.92	$ 13,162,256	14,558,963	$ 2.24	$ 32,635,479	$ 45,797,735

Low Voltage Switchgear Credit (if applicable)	$ -
Total including deduction for Low Voltage Switchgear Credit	$ 45,797,735

INCENTIVE REGULATION MODEL FOR 2019 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	1,440,461,108	0	10,905,217	22.5%	10,956,193	0.0076
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	Retail Transmission Rate – Network Service Rate	$/kWh	0.0071	618,679,646	0	4,392,625	9.1%	4,413,159	0.0071
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION	Retail Transmission Rate – Network Service Rate	$/kW	2.7325		5,780,039	15,793,957	32.6%	15,867,786	2.7453
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate – Network Service Rate	$/kW	2.6436		4,610,762	12,189,011	25.2%	12,245,989	2.6560
LARGE USE SERVICE CLASSIFICATION	Retail Transmission Rate – Network Service Rate – Interval Metered	$/kW	2.8211		1,753,816	4,947,689	10.2%	4,970,817	2.8343
STANDBY POWER SERVICE CLASSIFICATION									
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	Retail Transmission Rate – Network Service Rate	$/kWh	0.0071	11,421,124	0	81,090	0.2%	81,469	0.0071
STREET LIGHTING SERVICE CLASSIFICATION	Retail Transmission Rate – Network Service Rate	$/kW	1.8924		41,240	78,042	0.2%	78,407	1.9012

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 F	$/kWh	0.0071	1,440,461,108	0	10,203,739	22.7%	10,374,310	0.0072
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	Retail Transmission Rate – Line and Transformation Connection Service F	$/kWh	0.0064	618,679,646	0	3,959,550	8.8%	4,025,740	0.0065
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION	Retail Transmission Rate – Line and Transformation Connection Service F	$/kW	2.5347		5,780,039	14,650,665	32.5%	14,895,573	2.5771
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate – Line and Transformation Connection Service F	$/kW	2.4803		4,610,762	11,436,074	25.4%	11,627,245	2.5218
LARGE USE SERVICE CLASSIFICATION	Retail Transmission Rate – Line and Transformation Connection Service F	$/kW	2.6491		1,753,816	4,646,033	10.3%	4,723,698	2.6934
STANDBY POWER SERVICE CLASSIFICATION									
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	Retail Transmission Rate – Line and Transformation Connection Service F	$/kWh	0.0064	11,421,124	0	73,095	0.2%	74,317	0.0065
STREET LIGHTING SERVICE CLASSIFICATION	Retail Transmission Rate – Line and Transformation Connection Service F	$/kW	1.8329		41,240	75,588	0.2%	76,852	1.8635

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

Rate Class	Rate Description	Unit	Adjusted RTSR-Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Proposed RTSR-Network
RESIDENTIAL SERVICE CLASSIFICATION	Retail Transmission Rate – Network Service Rate	$/kWh	0.0076	1,440,461,108	0	10,956,193	22.5%	10,956,193	**0.0076**
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	Retail Transmission Rate – Network Service Rate	$/kWh	0.0071	618,679,646	0	4,413,159	9.1%	4,413,159	**0.0071**
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION	Retail Transmission Rate – Network Service Rate	$/kW	2.7453		5,780,039	15,867,786	32.6%	15,867,786	**2.7453**
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate – Network Service Rate	$/kW	2.6560		4,610,762	12,245,989	25.2%	12,245,989	**2.6560**
LARGE USE SERVICE CLASSIFICATION	Retail Transmission Rate – Network Service Rate – Interval Metered	$/kW	2.8343		1,753,816	4,970,817	10.2%	4,970,817	**2.8343**
STANDBY POWER SERVICE CLASSIFICATION									
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	Retail Transmission Rate – Network Service Rate	$/kWh	0.0071	11,421,124	0	81,469	0.2%	81,469	**0.0071**
STREET LIGHTING SERVICE CLASSIFICATION	Retail Transmission Rate – Network Service Rate	$/kW	1.9012		41,240	78,407	0.2%	78,407	**1.9012**

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

Rate Class	Rate Description	Unit	Adjusted RTSR-Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Proposed RTSR-Connection
RESIDENTIAL SERVICE CLASSIFICATION	Retail Transmission Rate – Line and Transformation Connection Service F	$/kWh	0.0072	1,440,461,108	0	10,374,310	22.7%	10,374,310	**0.0072**
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	Retail Transmission Rate – Line and Transformation Connection Service F	$/kWh	0.0065	618,679,646	0	4,025,740	8.8%	4,025,740	**0.0065**
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION	Retail Transmission Rate – Line and Transformation Connection Service F	$/kW	2.5771		5,780,039	14,895,573	32.5%	14,895,573	**2.5771**
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	Retail Transmission Rate – Line and Transformation Connection Service F	$/kW	2.5218		4,610,762	11,627,245	25.4%	11,627,245	**2.5218**
LARGE USE SERVICE CLASSIFICATION	Retail Transmission Rate – Line and Transformation Connection Service F	$/kW	2.6934		1,753,816	4,723,698	10.3%	4,723,698	**2.6934**
STANDBY POWER SERVICE CLASSIFICATION									
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	Retail Transmission Rate – Line and Transformation Connection Service F	$/kWh	0.0065	11,421,124	0	74,317	0.2%	74,317	**0.0065**
STREET LIGHTING SERVICE CLASSIFICATION	Retail Transmission Rate – Line and Transformation Connection Service F	$/kW	1.8635		41,240	76,852	0.2%	76,852	**1.8635**

INCENTIVE REGULATION MODEL FOR 2019 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 2016 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)**	176,865	**Effective Year of Residential Rate Design Transition (yyyy)**	2016
Choose Stretch Factor Group	III	**Price Cap Index**	**0.90%**	**Billed kWh for Residential Class (approved in the last CoS)**	1,423,857,475	**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	21.61		0.0035		0.90%	24.18	0.0000
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	43.99		0.0128		0.90%	44.39	0.0129
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION	77.48		4.6629		0.90%	78.18	4.7049
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	1764.42		2.3994		0.90%	1,780.30	2.4210
LARGE USE SERVICE CLASSIFICATION	13911.73		2.9782		0.90%	14,036.94	3.0050
STANDBY POWER SERVICE CLASSIFICATION					0.90%	0.00	0.00
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	9.08		0.0165		0.90%	9.16	0.0166
STREET LIGHTING SERVICE CLASSIFICATION	1.52		11.6504		0.90%	1.53	11.7553
microFIT SERVICE CLASSIFICATION	5.40				0.90%	5.40	0.0000

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.)	21.6100	45,864,632	90.2%	9.8%	2.35	100.0%	23.96	50,852,225
Current Residential Variable Rate (inclusive of R/C adj.)	0.0035	4,983,501	9.8%			0.0%	0.0000	0
		50,848,133						50,852,225

[1] These are the residential rates to which the Price Cap Index will be applied to.

INCENTIVE REGULATION MODEL FOR 2019 FILERS

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

		Proposed
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

Time-of-Use RPP Prices

As of		August 1, 2017
Off-Peak	$/kWh	0.0650
Mid-Peak	$/kWh	0.0940
On-Peak	$/kWh	0.1320

INCENTIVE REGULATION MODEL FOR 2019 FILERS

In the Green Cells below, enter any proposed rate riders that are not already included in this model (e.g.: proposed ICM rate riders). Please note that existing SMIRR and SM Entity Charge do not need to be included below.
In column A, the rate rider descriptions 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, 2018) 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, choose the sub-total as applicable in the bill impact calculation from the drop-down menu

INPUT ICM RATE RIDERS ONLY

RESIDENTIAL SERVICE CLASSIFICATION

Rate Rider for Incremental Capital Module (ICM)	$	0.16	- effective until	the effective date of the next cost of service-based rate order	A
Capitalization Policy Rate Rider (2019) effective until December 31, 2019	$	-0.2300	- effective until	31-Dec-19	
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION

Rate Rider for Incremental Capital Module (ICM)	$	0.30	- effective until	the effective date of the next cost of service-based rate order	A
Rate Rider for Incremental Capital Module (ICM)	$/kWh	0.0001	- effective until	the effective date of the next cost of service-based rate order	A
Capitalization Policy Rate Rider (2019) effective until December 31, 2019	$	-0.4200	- effective until		
Capitalization Policy Rate Rider (2019) effective until December 31, 2019	$/kWh	-0.0001	- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION

Rate Rider for Incremental Capital Module (ICM)	$	0.53	- effective until	the effective date of the next cost of service-based rate order	A
Rate Rider for Incremental Capital Module (ICM)	$/kW	0.0317	- effective until	the effective date of the next cost of service-based rate order	A
Capitalization Policy Rate Rider (2019) effective until December 31, 2019	$	-0.7400	- effective until		
Capitalization Policy Rate Rider (2019) effective until December 31, 2019	$/kW	-0.0447	- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION

Rate Rider for Incremental Capital Module (ICM)	$	11.99	- effective until	the effective date of the next cost of service-based rate order	A
Rate Rider for Incremental Capital Module (ICM)	$/kW	0.0163	- effective until	the effective date of the next cost of service-based rate order	A
Capitalization Policy Rate Rider (2019) effective until December 31, 2019	$	-16.9000	- effective until		
Capitalization Policy Rate Rider (2019) effective until December 31, 2019	$/kW	-0.0230	- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

LARGE USE SERVICE CLASSIFICATION

Rate Rider for Incremental Capital Module (ICM)	$	94.56	- effective until	the effective date of the next cost of service-based rate order	A
Rate Rider for Incremental Capital Module (ICM)	$/kW	0.0202	- effective until	the effective date of the next cost of service-based rate order	A
Capitalization Policy Rate Rider (2019) effective until December 31, 2019	$	-133.2400	- effective until		
Capitalization Policy Rate Rider (2019) effective until December 31, 2019	$/kW	-0.0285	- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

Rate Rider for Incremental Capital Module (ICM)	$	0.06	- effective until	the effective date of the next cost of service-based rate order	A
Rate Rider for Incremental Capital Module (ICM)	$/kWh	0.0001	- effective until	the effective date of the next cost of service-based rate order	A
Capitalization Policy Rate Rider (2019) effective until December 31, 2019	$	-0.0900	- effective until		
Capitalization Policy Rate Rider (2019) effective until December 31, 2019	$/kWh	-0.0002	- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

STREET LIGHTING SERVICE CLASSIFICATION

Rate Rider for Incremental Capital Module (ICM)	$	0.01	- effective until	the effective date of the next cost of service-based rate order	A
Rate Rider for Incremental Capital Module (ICM)	$/kW	0.0792	- effective until	the effective date of the next cost of service-based rate order	A
Capitalization Policy Rate Rider (2019) effective until December 31, 2019	$	-0.0100	- effective until		
Capitalization Policy Rate Rider (2019) effective until December 31, 2019	$/kW	-0.1116	- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		
			- effective until		

MICROFIT SERVICE CLASSIFICATION

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

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra - Enersource
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date January 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. 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	24.18
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	0.60
Rate Rider for Recovery of Incremental Capital Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$	0.16
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$	(0.23)
Low Voltage Service Rate	$/kWh	0.0002
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 Global Adjustment Account (2019) - effective until December 31, 2019		
Applicable only for Non-RPP Customers	$/kWh	0.0017
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	$/kWh	(0.0004)
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 Capacity Based Recovery Account (2019) - effective until December 31, 2019		
Applicable Only for Class B Customers	$/kWh	0.00001
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kWh	(0.0002)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kWh	0.0002
Retail Transmission Rate – Network Service Rate	$/kWh	0.0076
Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kWh	0.0072

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

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra - Enersource

TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date January 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 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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	44.39
Smart Metering Entity Charge - effective until December 31, 2022	$	0.57
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	1.10
Rate Rider for Recovery of Incremental Capital Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$	0.30
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$	(0.42)
Distribution Volumetric Rate	$/kWh	0.0129
Low Voltage Service Rate	$/kWh	0.0002
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 Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	$/kWh	0.0017
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	$/kWh	(0.0004)
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 Capacity Based Recovery Account (2019) - effective until December 31, 2019 Applicable Only for Class B Customers	$/kWh	0.00001
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kWh	0.0006
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kWh	0.0002
Rate Rider for Recovery of Incremental Capital Module (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 Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$/kWh	(0.0001)
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	0.0032
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

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra - Enersource
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date January 1, 2019

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

EB-2018-0016

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 Debt Retirement Charge, 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	$	78.18
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	1.93
Rate Rider for Recovery of Incremental Capital Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$	0.53
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$	(0.74)
Distribution Volumetric Rate	$/kW	4.7049
Low Voltage Service Rate	$/kW	0.0802
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 Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	$/kWh	0.0017
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 (2019) - effective until December 31, 2019	$/kW	0.2188
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019 Applicable only for Non-Wholesale Market Participants	$/kW	(0.3538)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 Applicable only for Non-Wholesale Market Participants	$/kW	(0.3484)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Non-WMP Class B Customers	$/kW	(0.01606)
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019 Applicable Only for Non-WMP Class B Customers	$/kW	0.00237
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	0.4585
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.1951
Rate Rider for Recovery of Incremental Capital Module (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 Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0317
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$/kW	(0.0447)
Retail Transmission Rate – Network Service Rate	$/kW	2.7453
Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kW	2.5771

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

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra - Enersource
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date January 1, 2019

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

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.

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.

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 order 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.

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	$	1,780.30
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	44.00
Rate Rider for Recovery of Incremental Capital Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$	11.99
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$	(16.90)
Distribution Volumetric Rate	$/kW	2.4210
Low Voltage Service Rate	$/kW	0.0784
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 Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	$/kWh	0.0017
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	0.1272
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	$/kW	0.2760
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 Deferral/Variance Accounts (2019) - effective until December 31, 2019 Applicable only for Non-Wholesale Market Participants	$/kW	(0.4388)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Non-WMP Class B Customers	$/kW	(0.01999)
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019 Applicable Only for Non-WMP Class B Customers	$/kW	0.00278
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	0.1410
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.0752
Rate Rider for Recovery of Incremental Capital Module (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 Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0163
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$/kW	(0.0230)
Retail Transmission Rate – Network Service Rate	$/kW	2.6560
Retail Transmission Rate – Line and Transformation Connection Service Rate	$/kW	2.5218

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

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra - Enersource
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
Implementation Date January 1, 2019

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EB-2018-0016

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.

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.

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	$	14,036.94
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	346.90
Rate Rider for Recovery of Incremental Capital Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$	94.56
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$	(133.24)
Distribution Volumetric Rate	$/kW	3.0050
Low Voltage Service Rate	$/kW	0.0838
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	(0.4054)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	$/kW	(0.2100)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	0.0880
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	0.0640
Rate Rider for Recovery of Incremental Capital Module (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 Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0202
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$/kW	-0.0285
Retail Transmission Rate - Network Service Rate – Interval Metered	$/kW	2.8343
Retail Transmission Rate - Line and Transformation Connection Service Rate – Interval Metered	$/kW	2.6934

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

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra - Enersource
TARIFF OF RATES AND CHARGES
Effective Date January 1, 2019
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EB-2018-0016

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

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)	$	9.16
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	0.23
Rate Rider for Recovery of Incremental Capital Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$	0.06
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$	(0.09)
Distribution Volumetric Rate	$/kWh	0.0166
Low Voltage Service Rate	$/kWh	0.0002
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 Global Adjustment Account (2019) - effective until December 31, 2019		
Applicable only for Non-RPP Customers	$/kWh	0.0017
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kWh	(0.0007)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	$/kWh	(0.0004)
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 Capacity Based Recovery Account (2019) - effective until December 31, 2019		
Applicable Only for Class B Customers	$/kWh	0.00001
Rate Rider for Recovery of Incremental Capital Module (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 Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$/kWh	0.0001
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$/kWh	(0.0002)
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	0.0032
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

INCENTIVE REGULATION MODEL FOR 2019 FILERS

Alectra - Enersource

TARIFF OF RATES AND CHARGES

Effective Date January 1, 2019

Implementation Date January 1, 2019

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

EB-2018-0016

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 Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per luminaire)	$	1.53
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order	$	0.04
Rate Rider for Recovery of Incremental Capital Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$	0.01
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$	(0.01)
Distribution Volumetric Rate	$/kW	11.7553
Low Voltage Service Rate	$/kW	0.0580
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 Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	$/kWh	0.0017
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	$/kW	(0.2616)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	$/kW	(0.1354)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Non-WMP Class B Customers	$/kW	(0.01655)
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019 Applicable Only for Non-WMP Class B Customers	$/kW	0.00248
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	$/kW	(33.3532)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	$/kW	(3.7908)
Rate Rider for Recovery of Incremental Capital Module (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 Module (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 Module (2019) - in effect until the effective date of the next cost of service based rate order	$/kW	0.0792
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	$/kW	(0.1116)
Retail Transmission Rate - Network Service Rate	$/kW	1.9012
Retail Transmission Rate - Line and Transformation Connection Service Rate	$/kW	1.8635

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

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EB-2018-0016

STANDBY DISTRIBUTION 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.

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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.

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. Further servicing details

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

MONTHLY RATES AND CHARGES - Regulatory Component

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

INCENTIVE REGULATION MODEL FOR 2019 FILERS

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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. Further

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

MONTHLY RATES AND CHARGES - Regulatory Component

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

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EB-2018-0016

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

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	$	

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EB-2018-0016

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 Debt Retirement Charge, 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	%	(1.00)

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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	$	15.00
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	$	43.63

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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.

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

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	1.0360
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

INCENTIVE REGULATION MODEL FOR 2019 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 page 9 of the Filing Requirements For Electricity Distribution Rate Applications issued July 14, 2016.**

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

Note:
1. For those classes that are not eligible for the RPP price, the weighted average price including Class B GA through end of February 2017 of $0.1058/kWh (IESO's Monthly Market Report for February 2017, 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.

Table 1

RATE CLASSES / CATEGORIES ***(eg: Residential TOU, Residential Retailer)***	**Units**	**RPP? Non-RPP Retailer? Non-RPP Other?**	**Current Loss Factor**	**Proposed Loss Factor**	**Consumption (kWh)**	**Demand kW (if applicable)**	**RTSR**	**Billing Determinant Applied to Fixed Charge for Unmetered Classes (e.g. # of devices/connections).**
RESIDENTIAL SERVICE CLASSIFICATION	kWh	RPP	1.0360	1.0360	750		N/A	
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	RPP	1.0360	1.0360	2,000		N/A	
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0360	1.0360	100,000	230	DEMAND	
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0360	1.0360	400,000	2,250	DEMAND	
LARGE USE SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0145	1.0145	3,000,000	5,000	DEMAND	
STANDBY POWER SERVICE CLASSIFICATION	kW		1.0360	1.0360	-	-	DEMAND	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	RPP	1.0360	1.0360	300		N/A	
STREET LIGHTING SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0360	1.0360	33	0	DEMAND	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0360	1.0360	750		N/A	
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0360	1.0360	2,000		N/A	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0360	1.0360	300		N/A	
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0360	1.0360	100,000	230	DEMAND - INTERVAL	
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0360	1.0360	400,000	2,250	DEMAND - INTERVAL	
LARGE USE SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0145	1.0145	3,000,000	5,000	DEMAND - INTERVAL	
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								

Table 2

RATE CLASSES / CATEGORIES *(eg: Residential TOU, Residential Retailer)*	Units	Sub-Total						Total	
		A		B		C		A + B + C	
		$	%	$	%	$	%	$	%
RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	$ (0.15)	-0.58%	$ (0.44)	-1.60%	$ (0.36)	-0.94%	$ (0.38)	-0.35%
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION - RPP	kWh	$ 0.53	0.72%	$ (0.25)	-0.32%	$ (0.05)	-0.05%	$ (14.75)	-4.81%
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 49.19	3.80%	$ 189.93	15.81%	$ 202.63	8.40%	$ (562.03)	-3.49%
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 197.51	2.56%	$ 517.47	7.46%	$ 638.74	3.46%	$ (2,442.22)	-3.28%
LARGE USE SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 234.64	0.77%	$ (815.36)	-2.83%	$ (527.86)	-0.94%	$ (24,326.48)	-5.32%
STANDBY POWER SERVICE CLASSIFICATION -	kW	$ -	0.00%	$ -	0.00%	$ -	0.00%	$ -	0.00%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - RPP	kWh	$ -	0.00%	$ (0.12)	-0.77%	$ (0.09)	-0.45%	$ (2.30)	-4.61%
STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ (0.37)	67.17%	$ (0.33)	70.19%	$ (0.33)	337.92%	$ (0.63)	-15.06%
RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	$ (0.15)	-0.58%	$ 0.84	3.03%	$ 0.91	2.36%	$ 0.96	0.76%
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	$ 0.53	0.72%	$ 3.15	3.97%	$ 3.35	3.15%	$ (11.18)	-3.17%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	$ -	0.00%	$ 0.39	2.56%	$ 0.42	2.18%	$ (1.90)	-3.12%
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ -	0.00%	$ -	0.00%	$ -	0.00%	$ -	0.00%
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ -	0.00%	$ -	0.00%	$ -	0.00%	$ -	0.00%
LARGE USE SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ 234.64	0.77%	$ (815.36)	-2.83%	$ (527.86)	-0.94%	$ (24,326.48)	-5.32%
	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	$ 21.61	1	$ 21.61	$ 24.18	1	$ 24.18	$ 2.57	11.89%
Distribution Volumetric Rate	$ 0.0035	750	$ 2.63	$ -	750	$ -	$ (2.63)	-100.00%
Fixed Rate Riders	$ 0.93	1	$ 0.93	$ 0.69	1	$ 0.69	$ (0.24)	-25.81%
Volumetric Rate Riders	-$ 0.0002	750	$ (0.15)	$ -	750	$ -	$ 0.15	-100.00%
Sub-Total A (excluding pass through)			$ 25.02			$ 24.87	**$ (0.15)**	**-0.58%**
Line Losses on Cost of Power	$ 0.0820	27	$ 2.21	$ 0.0820	27	$ 2.21	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0008	750	$ (0.56)	-$ 0.00114	750	$ (0.86)	$ (0.29)	52.00%
GA Rate Riders								
Low Voltage Service Charge	$ 0.0002	750	$ 0.15	$ 0.0002	750	$ 0.15	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			**$ 27.39**			**$ 26.95**	**$ (0.44)**	**-1.60%**
RTSR - Network	$ 0.0076	750	$ 5.70	$ 0.0076	750	$ 5.70	$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0071	750	$ 5.33	$ 0.0072	750	$ 5.40	$ 0.07	1.41%
Sub-Total C - Delivery (including Sub-Total B)			**$ 38.41**			**$ 38.05**	**$ (0.36)**	**-0.94%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	777	$ 2.80	$ 0.0036	777	$ 2.80	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	777	$ 0.23	$ 0.0003	777	$ 0.23	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Debt Retirement Charge (DRC)								
TOU - Off Peak	$ 0.0650	488	$ 31.69	$ 0.0650	488	$ 31.69	$ -	0.00%
TOU - Mid Peak	$ 0.0940	128	$ 11.99	$ 0.0940	128	$ 11.99	$ -	0.00%
TOU - On Peak	$ 0.1320	135	$ 17.82	$ 0.1320	135	$ 17.82	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	750	$ 77.85	$ 0.1038	750	$ 77.85	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	750	$ 77.85	$ 0.1038	750	$ 77.85	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 103.18**			**$ 102.82**	**$ (0.36)**	**-0.35%**
HST	13%		$ 13.41	13%		$ 13.37	$ (0.05)	-0.35%
Total Bill on TOU (before 8% Provincial Rebate)			**$ 116.60**			**$ 116.19**	**$ (0.41)**	-0.35%
8% Provincial Rebate	-8%		$ (8.25)	-8%		$ (8.23)	$ 0.03	-0.35%
Total Bill on TOU			**$ 108.34**			**$ 107.96**	**$ (0.38)**	**-0.35%**
Total Bill on Non-RPP Avg. Price			**$ 119.54**			**$ 119.18**	**$ (0.36)**	**-0.30%**
HST	13%		$ 15.54	13%		$ 15.49	$ (0.05)	-0.30%
Provincial Rebate	-8%		$ (9.56)	-8%		$ (9.53)	$ 0.03	-0.30%
Total Bill on Non-RPP Avg. Price			**$ 125.52**			**$ 125.14**	**$ (0.38)**	**-0.30%**
Total Bill on Average IESO Wholesale Market Price			**$ 119.54**			**$ 119.18**	**$ (0.36)**	**-0.30%**
HST	13%		$ 15.54	13%		$ 15.49	$ (0.05)	-0.30%
Provincial Rebate	-8%		$ (9.56)	-8%		$ (9.53)	$ 0.03	-0.30%
Total Bill on Average IESO Wholesale Market Price			**$ 125.52**			**$ 125.14**	**$ (0.38)**	**-0.30%**

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	$ 43.99	1	$ 43.99	$ 44.39	1	$ 44.39	$ 0.40	0.91%
Distribution Volumetric Rate	$ 0.0128	2000	$ 25.60	$ 0.0129	2000	$ 25.80	$ 0.20	0.78%
Fixed Rate Riders	$ 1.74	1	$ 1.74	$ 1.27	1	$ 1.27	$ (0.47)	-27.01%
Volumetric Rate Riders	$ 0.0010	2000	$ 2.00	$ 0.0012	2000	$ 2.40	$ 0.40	20.00%
Sub-Total A (excluding pass through)			$ 73.33			$ 73.86	**$ 0.53**	**0.72%**
Line Losses on Cost of Power	$ 0.0820	72	$ 5.90	$ 0.0820	72	$ 5.90	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0008	2,000	$ (1.50)	-$ 0.00114	2,000	$ (2.28)	$ (0.78)	52.00%
GA Rate Riders								
Low Voltage Service Charge	$ 0.0002	2,000	$ 0.40	$ 0.0002	2,000	$ 0.40	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			**$ 78.70**			**$ 78.45**	**$ (0.25)**	**-0.32%**
RTSR - Network	$ 0.0071	2,000	$ 14.20	$ 0.0071	2,000	$ 14.20	$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0064	2,000	$ 12.80	$ 0.0065	2,000	$ 13.00	$ 0.20	1.56%
Sub-Total C - Delivery (including Sub-Total B)			**$ 105.70**			**$ 105.65**	**$ (0.05)**	**-0.05%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	2,072	$ 7.46	$ 0.0036	2,072	$ 7.46	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	2,072	$ 0.62	$ 0.0003	2,072	$ 0.62	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Debt Retirement Charge (DRC)	$ 0.0070	2,000	$ 14.00	$ -	2,000	$ -	$ (14.00)	-100.00%
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	$ 0.1320	360	$ 47.52	$ 0.1320	360	$ 47.52	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	2,000	$ 207.60	$ 0.1038	2,000	$ 207.60	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	2,000	$ 207.60	$ 0.1038	2,000	$ 207.60	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 292.01**			**$ 277.96**	**$ (14.05)**	**-4.81%**
HST	13%		$ 37.96	13%		$ 36.14	$ (1.83)	-4.81%
Total Bill on TOU (before 8% Provincial Rebate)			$ 329.98			$ 314.10	$ (15.88)	-4.81%
8% Provincial Rebate	-8%		$ (23.36)	-8%		$ (22.24)	$ 1.12	-4.81%
Total Bill on TOU			**$ 306.61**			**$ 291.86**	**$ (14.75)**	**-4.81%**
Total Bill on Non-RPP Avg. Price			**$ 335.63**			**$ 321.58**	**$ (14.05)**	**-4.19%**
HST	13%		$ 43.63	13%		$ 41.81	$ (1.83)	-4.19%
Provincial Rebate	-8%		$ (26.85)	-8%		$ (25.73)	$ 1.12	-4.19%
Total Bill on Non-RPP Avg. Price			**$ 352.42**			**$ 337.66**	**$ (14.75)**	**-4.19%**
Total Bill on Average IESO Wholesale Market Price			**$ 335.63**			**$ 321.58**	**$ (14.05)**	**-4.19%**
HST	13%		$ 43.63	13%		$ 41.81	$ (1.83)	-4.19%
Provincial Rebate	-8%		$ (26.85)	-8%		$ (25.73)	$ 1.12	-4.19%
Total Bill on Average IESO Wholesale Market Price			**$ 352.42**			**$ 337.66**	**$ (14.75)**	**-4.19%**

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	$ 77.48	1	$ 77.48	$ 78.18	1	$ 78.18	$ 0.70	0.90%
Distribution Volumetric Rate	$ 4.6629	230	$ 1,072.47	$ 4.7049	230	$ 1,082.13	$ 9.66	0.90%
Fixed Rate Riders	$ 5.28	1	$ 5.28	$ 2.23	1	$ 2.23	$ (3.05)	-57.77%
Volumetric Rate Riders	$ 0.6056	230	$ 139.29	$ 0.7877	230	$ 181.17	$ 41.88	30.07%
Sub-Total A (excluding pass through)			$ 1,294.52			$ 1,343.71	**$ 49.19**	**3.80%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	-$ 0.2694	230	$ (61.95)	-$ 0.39659	230	$ (91.22)	$ (29.26)	47.23%
GA Rate Riders	-$ 0.0005	100,000	$ (50.00)	$ 0.0012	100,000	$ 120.00	$ 170.00	-340.00%
Low Voltage Service Charge	$ 0.0802	230	$ 18.45	$ 0.0802	230	$ 18.45	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 1,201.01**			**$ 1,390.94**	**$ 189.93**	**15.81%**
RTSR - Network	$ 2.7325	230	$ 628.48	$ 2.7453	230	$ 631.42	$ 2.94	0.47%
RTSR - Connection and/or Line and Transformation Connection	$ 2.5347	230	$ 582.98	$ 2.5771	230	$ 592.73	$ 9.75	1.67%
Sub-Total C - Delivery (including Sub-Total B)			**$ 2,412.46**			**$ 2,615.09**	**$ 202.63**	**8.40%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	103,600	$ 372.96	$ 0.0036	103,600	$ 372.96	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	103,600	$ 31.08	$ 0.0003	103,600	$ 31.08	$ -	0.00%
Standard Supply Service Charge	$ 0.25		$ -	$ 0.25		$ -	$ -	
Debt Retirement Charge (DRC)	$ 0.0070	100,000	$ 700.00	$ -	100,000	$ -	$ (700.00)	-100.00%
TOU - Off Peak	$ 0.0650	67,340	$ 4,377.10	$ 0.0650	67,340	$ 4,377.10	$ -	0.00%
TOU - Mid Peak	$ 0.0940	17,612	$ 1,655.53	$ 0.0940	17,612	$ 1,655.53	$ -	0.00%
TOU - On Peak	$ 0.1320	18,648	$ 2,461.54	$ 0.1320	18,648	$ 2,461.54	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	103,600	$ 10,753.68	$ 0.1038	103,600	$ 10,753.68	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	103,600	$ 10,753.68	$ 0.1038	103,600	$ 10,753.68	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 12,010.67**			**$ 11,513.29**	**$ (497.37)**	**-4.14%**
HST	13%		$ 1,561.39	13%		$ 1,496.73	$ (64.66)	-4.14%
8% Provincial Rebate	-8%		$ (960.85)	-8%		$ (921.06)	$ 39.79	-4.14%
Total Bill on TOU			**$ 12,611.20**			**$ 12,088.96**	**$ (522.24)**	**-4.14%**
Total Bill on Non-RPP Avg. Price			**$ 14,270.18**			**$ 13,772.81**	**$ (497.37)**	**-3.49%**
HST	13%		$ 1,855.12	13%		$ 1,790.47	$ (64.66)	-3.49%
8% Provincial Rebate	-8%		$ (1,141.61)	-8%		$ (1,101.82)	$ 39.79	-3.49%
Total Bill on Non-RPP Avg. Price			**$ 14,983.69**			**$ 14,461.45**	**$ (522.24)**	**-3.49%**
Total Bill on Average IESO Wholesale Market Price			**$ 14,270.18**			**$ 13,772.81**	**$ (497.37)**	**-3.49%**
HST	13%		$ 1,855.12	13%		$ 1,790.47	$ (64.66)	-3.49%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			$ 16,125.31			$ 15,563.28	$ (562.03)	-3.49%
8% Provincial Rebate	0%		$ -	0%		$ -	$ -	
Total Bill on Average IESO Wholesale Market Price			**$ 16,125.31**			**$ 15,563.28**	**$ (562.03)**	**-3.49%**

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	$ 1,764.42	1	$ 1,764.42	$ 1,780.30	1	$ 1,780.30	$ 15.88	0.90%
Distribution Volumetric Rate	$ 2.3994	2250	$ 5,398.65	$ 2.4210	2250	$ 5,447.25	$ 48.60	0.90%
Fixed Rate Riders	$ 71.83	1	$ 71.83	$ 50.74	1	$ 50.74	$ (21.09)	-29.36%
Volumetric Rate Riders	$ 0.2166	2250	$ 487.35	$ 0.2851	2250	$ 641.48	$ 154.13	31.63%
Sub-Total A (excluding pass through)			$ 7,722.25			$ 7,919.77	**$ 197.51**	**2.56%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	-$ 0.3393	2,250	$ (763.40)	-$ 0.49931	2,250	$ (1,123.45)	$ (360.05)	47.16%
GA Rate Riders	-$ 0.0005	400,000	$ (200.00)	$ 0.0012	400,000	$ 480.00	$ 680.00	-340.00%
Low Voltage Service Charge	$ 0.0784	2,250	$ 176.40	$ 0.0784	2,250	$ 176.40	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 6,935.25**			**$ 7,452.72**	**$ 517.47**	**7.46%**
RTSR - Network	$ 2.6436	2,250	$ 5,948.10	$ 2.6560	2,250	$ 5,976.00	$ 27.90	0.47%
RTSR - Connection and/or Line and Transformation Connection	$ 2.4803	2,250	$ 5,580.68	$ 2.5218	2,250	$ 5,674.05	$ 93.37	1.67%
Sub-Total C - Delivery (including Sub-Total B)			**$ 18,464.02**			**$ 19,102.77**	**$ 638.74**	**3.46%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	414,400	$ 1,491.84	$ 0.0036	414,400	$ 1,491.84	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	414,400	$ 124.32	$ 0.0003	414,400	$ 124.32	$ -	0.00%
Standard Supply Service Charge	$ 0.25		$ -	$ 0.25		$ -	$ -	
Debt Retirement Charge (DRC)	$ 0.0070	400,000	$ 2,800.00	$ -	400,000	$ -	$ (2,800.00)	-100.00%
TOU - Off Peak	$ 0.0650	269,360	$ 17,508.40	$ 0.0650	269,360	$ 17,508.40	$ -	0.00%
TOU - Mid Peak	$ 0.0940	70,448	$ 6,622.11	$ 0.0940	70,448	$ 6,622.11	$ -	0.00%
TOU - On Peak	$ 0.1320	74,592	$ 9,846.14	$ 0.1320	74,592	$ 9,846.14	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	414,400	$ 43,014.72	$ 0.1038	414,400	$ 43,014.72	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	414,400	$ 43,014.72	$ 0.1038	414,400	$ 43,014.72	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 56,856.84**			**$ 54,695.58**	**$ (2,161.26)**	**-3.80%**
HST	13%		$ 7,391.39	13%		$ 7,110.43	$ (280.96)	-3.80%
8% Provincial Rebate	-8%		$ (4,548.55)	-8%		$ (4,375.65)	$ 172.90	-3.80%
Total Bill on TOU			**$ 59,699.68**			**$ 57,430.36**	**$ (2,269.32)**	**-3.80%**
Total Bill on Non-RPP Avg. Price			**$ 65,894.90**			**$ 63,733.65**	**$ (2,161.26)**	**-3.28%**
HST	13%		$ 8,566.34	13%		$ 8,285.37	$ (280.96)	-3.28%
8% Provincial Rebate	-8%		$ (5,271.59)	-8%		$ (5,098.69)	$ 172.90	-3.28%
Total Bill on Non-RPP Avg. Price			**$ 69,189.65**			**$ 66,920.33**	**$ (2,269.32)**	**-3.28%**
Total Bill on Average IESO Wholesale Market Price			**$ 65,894.90**			**$ 63,733.65**	**$ (2,161.26)**	**-3.28%**
HST	13%		$ 8,566.34	13%		$ 8,285.37	$ (280.96)	-3.28%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			$ 74,461.24			$ 72,019.02	$ (2,442.22)	-3.28%
8% Provincial Rebate	0%		$ -	0%		$ -	$ -	
Total Bill on Average IESO Wholesale Market Price			**$ 74,461.24**			**$ 72,019.02**	**$ (2,442.22)**	**-3.28%**

Customer Class:	LARGE USE SERVICE CLASSIFICATION		
RPP / Non-RPP:	Non-RPP (Other)		Class A
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	$ 13,911.73	1	$ 13,911.73	$ 14,036.94	1	$ 14,036.94	$ 125.21	0.90%
Distribution Volumetric Rate	$ 2.9782	5000	$ 14,891.00	$ 3.0050	5000	$ 15,025.00	$ 134.00	0.90%
Fixed Rate Riders	$ 703.18	1	$ 703.18	$ 400.11	1	$ 400.11	$ (303.07)	-43.10%
Volumetric Rate Riders	$ 0.1820	5000	$ 910.00	$ 0.2377	5000	$ 1,188.50	$ 278.50	30.60%
Sub-Total A (excluding pass through)			$ 30,415.91			$ 30,650.55	**$ 234.64**	**0.77%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	-$ 0.4054	5,000	$ (2,027.00)	-$ 0.61540	5,000	$ (3,077.00)	$ (1,050.00)	51.80%
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) and/or any fixed ($) Deferral/Variance Account Rate Riders	$ -	1	$ -		1	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 28,807.91**			**$ 27,992.55**	**$ (815.36)**	**-2.83%**
RTSR - Network	$ 2.8211	5,000	$ 14,105.50	$ 2.8343	5,000	$ 14,171.50	$ 66.00	0.47%
RTSR - Connection and/or Line and Transformation Connection	$ 2.6491	5,000	$ 13,245.50	$ 2.6934	5,000	$ 13,467.00	$ 221.50	1.67%
Sub-Total C - Delivery (including Sub-Total B)			**$ 56,158.91**			**$ 55,631.05**	**$ (527.86)**	**-0.94%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	3,043,500	$ 10,956.60	$ 0.0036	3,043,500	$ 10,956.60	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	3,043,500	$ 913.05	$ 0.0003	3,043,500	$ 913.05	$ -	0.00%
Standard Supply Service Charge		1	$ -		1	$ -	$ -	
Debt Retirement Charge (DRC)	$ 0.0070	3,000,000	$ 21,000.00	$ -	3,000,000	$ -	$ (21,000.00)	-100.00%
TOU - Off Peak	$ 0.0650	1,978,275	$ 128,587.88	$ 0.0650	1,978,275	$ 128,587.88	$ -	0.00%
TOU - Mid Peak	$ 0.0940	517,395	$ 48,635.13	$ 0.0940	517,395	$ 48,635.13	$ -	0.00%
TOU - On Peak	$ 0.1320	547,830	$ 72,313.56	$ 0.1320	547,830	$ 72,313.56	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	3,043,500	$ 315,915.30	$ 0.1038	3,043,500	$ 315,915.30	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	3,043,500	$ 315,915.30	$ 0.1038	3,043,500	$ 315,915.30	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 338,565.13**			**$ 317,037.27**	**$ (21,527.86)**	**-6.36%**
HST	13%		$ 44,013.47	13%		$ 41,214.84	$ (2,798.62)	-6.36%
Total Bill on TOU (before 8% Provincial Rebate)			$ 382,578.59			$ 358,252.11	$ (24,326.48)	-6.36%
8% Provincial Rebate	-8%		$ (27,085.21)	-8%		$ (25,362.98)	$ 1,722.23	-6.36%
Total Bill on TOU			**$ 355,493.38**			**$ 332,889.13**	**$ (22,604.25)**	**-6.36%**
Total Bill on Non-RPP Avg. Price			**$ 404,943.86**			**$ 383,416.00**	**$ (21,527.86)**	**-5.32%**
HST	13%		$ 52,642.70	13%		$ 49,844.08	$ (2,798.62)	-5.32%
Provincial Rebate	-8%		$ (32,395.51)	-8%		$ (30,673.28)	$ 1,722.23	-5.32%
Total Bill on Non-RPP Avg. Price			**$ 425,191.05**			**$ 402,586.80**	**$ (22,604.25)**	**-5.32%**
Total Bill on Average IESO Wholesale Market Price			**$ 404,943.86**			**$ 383,416.00**	**$ (21,527.86)**	**-5.32%**
HST	13%		$ 52,642.70	13%		$ 49,844.08	$ (2,798.62)	-5.32%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			**$ 457,586.56**			**$ 433,260.08**	**$ (24,326.48)**	**-5.32%**
8% Provincial Rebate	0%		$ -	0%		$ -	$ -	
Total Bill on Average IESO Wholesale Market Price			**$ 457,586.56**			**$ 433,260.08**	**$ (24,326.48)**	**-5.32%**

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	$ 9.08	1	$ 9.08	$ 9.16	1	$ 9.16	$ 0.08	0.88%
Distribution Volumetric Rate	$ 0.0165	300	$ 4.95	$ 0.0166	300	$ 4.98	$ 0.03	0.61%
Fixed Rate Riders	$ 0.34	1	$ 0.34	$ 0.26	1	$ 0.26	$ (0.08)	-23.53%
Volumetric Rate Riders	$ 0.0005	300	$ 0.15	$ 0.0004	300	$ 0.12	$ (0.03)	-20.00%
Sub-Total A (excluding pass through)			$ 14.52			$ 14.52	**$ -**	**0.00%**
Line Losses on Cost of Power	$ 0.0820	11	$ 0.89	$ 0.0820	11	$ 0.89	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0008	300	$ (0.23)	-$ 0.00114	300	$ (0.34)	$ (0.12)	52.00%
GA Rate Riders			$ -			$ -	$ -	
Low Voltage Service Charge	$ 0.0002	300	$ 0.06	$ 0.0002	300	$ 0.06	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 15.24**			**$ 15.12**	**$ (0.12)**	**-0.77%**
RTSR - Network	$ 0.0071	300	$ 2.13	$ 0.0071	300	$ 2.13	$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0064	300	$ 1.92	$ 0.0065	300	$ 1.95	$ 0.03	1.56%
Sub-Total C - Delivery (including Sub-Total B)			**$ 19.29**			**$ 19.20**	**$ (0.09)**	**-0.45%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	311	$ 1.12	$ 0.0036	311	$ 1.12	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	311	$ 0.09	$ 0.0003	311	$ 0.09	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Debt Retirement Charge (DRC)	$ 0.0070	300	$ 2.10	$ -	300	$ -	$ (2.10)	-100.00%
							$ -	
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	$ 0.1320	54	$ 7.13	$ 0.1320	54	$ 7.13	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	300	$ 31.14	$ 0.1038	300	$ 31.14	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	300	$ 31.14	$ 0.1038	300	$ 31.14	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 47.45**			**$ 45.26**	**$ (2.19)**	**-4.61%**
HST	13%		$ 6.17	13%		$ 5.88	$ (0.28)	-4.61%
Total Bill on TOU (before 8% Provincial Rebate)			$ 53.62			$ 51.15	$ (2.47)	-4.61%
8% Provincial Rebate	-8%		$ (3.80)	-8%		$ (3.62)	$ 0.17	-4.61%
Total Bill on TOU			**$ 49.82**			**$ 47.53**	**$ (2.30)**	**-4.61%**
Total Bill on Non-RPP Avg. Price			**$ 53.99**			**$ 51.81**	**$ (2.19)**	**-4.05%**
HST	13%		$ 7.02	13%		$ 6.73	$ (0.28)	-4.05%
Provincial Rebate	-8%		$ (4.32)	-8%		$ (4.14)	$ 0.17	-4.05%
Total Bill on Non-RPP Avg. Price			**$ 56.69**			**$ 54.40**	**$ (2.30)**	**-4.05%**
Total Bill on Average IESO Wholesale Market Price			**$ 53.99**			**$ 51.81**	**$ (2.19)**	**-4.05%**
HST	13%		$ 7.02	13%		$ 6.73	$ (0.28)	-4.05%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			**$ 61.01**			**$ 58.54**	**$ (2.47)**	**-4.05%**
8% Provincial Rebate	-8%		$ (4.32)	-8%		$ (4.14)	$ 0.17	-4.05%
Total Bill on Average IESO Wholesale Market Price			**$ 56.69**			**$ 54.40**	**$ (2.30)**	**-4.05%**

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	$ 1.52	1	$ 1.52	$ 1.53	1	$ 1.53	$ 0.01	0.66%
Distribution Volumetric Rate	$ 11.6504	0.1	$ 1.17	$ 11.7553	0.1	$ 1.18	$ 0.01	0.90%
Fixed Rate Riders	$ 0.06	1	$ 0.06	$ 0.05	1	$ 0.05	$ (0.01)	-16.67%
Volumetric Rate Riders	-$ 32.9857	0.1	$ (3.30)	-$ 36.8089	0.1	$ (3.68)	$ (0.38)	11.59%
Sub-Total A (excluding pass through)			$ (0.55)			$ (0.93)	**$ (0.37)**	**67.17%**
Line Losses on Cost of Power	$ 0.1038	1	$ 0.12	$ 0.1038	1	$ 0.12	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.2782	0	$ (0.03)	-$ 0.41107	0	$ (0.04)	$ (0.01)	47.79%
GA Rate Riders	-$ 0.0005	33	$ (0.02)	$ 0.0012	33	$ 0.04	$ 0.06	-340.00%
Low Voltage Service Charge	$ 0.0580	0	$ 0.01	$ 0.0580	0	$ 0.01	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ (0.47)**			**$ (0.80)**	**$ (0.33)**	**70.19%**
RTSR - Network	$ 1.8924	0	$ 0.19	$ 1.9012	0	$ 0.19	$ 0.00	0.47%
RTSR - Connection and/or Line and Transformation Connection	$ 1.8329	0	$ 0.18	$ 1.8635	0	$ 0.19	$ 0.00	1.67%
Sub-Total C - Delivery (including Sub-Total B)			**$ (0.10)**			**$ (0.42)**	**$ (0.33)**	**337.92%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	34	$ 0.12	$ 0.0036	34	$ 0.12	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	34	$ 0.01	$ 0.0003	34	$ 0.01	$ -	0.00%
Standard Supply Service Charge	$ 0.25		$ -	$ 0.25		$ -	$ -	
Debt Retirement Charge (DRC)	$ 0.0070	33	$ 0.23	$ -	33	$ -	$ (0.23)	-100.00%
							$ -	
TOU - Off Peak	$ 0.0650	21	$ 1.39	$ 0.0650	21	$ 1.39	$ -	0.00%
TOU - Mid Peak	$ 0.0940	6	$ 0.53	$ 0.0940	6	$ 0.53	$ -	0.00%
TOU - On Peak	$ 0.1320	6	$ 0.78	$ 0.1320	6	$ 0.78	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	33	$ 3.43	$ 0.1038	33	$ 3.43	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	33	$ 3.43	$ 0.1038	33	$ 3.43	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 2.97**			**$ 2.42**	**$ (0.56)**	**-18.70%**
HST	13%		$ 0.39	13%		$ 0.31	$ (0.07)	-18.70%
Provincial Rebate	-8%		$ (0.24)	-8%		$ (0.19)	$ 0.04	-18.70%
Total Bill on TOU			**$ 3.12**			**$ 2.54**	**$ (0.58)**	**-18.70%**
Total Bill on Non-RPP Avg. Price			**$ 3.69**			**$ 3.14**	**$ (0.56)**	**-15.06%**
HST	13%		$ 0.48	13%		$ 0.41	$ (0.07)	-15.06%
Provincial Rebate	-8%		$ (0.30)	-8%		$ (0.25)	$ 0.04	-15.06%
Total Bill on Non-RPP Avg. Price			**$ 3.88**			**$ 3.29**	**$ (0.58)**	**-15.06%**
Total Bill on Average IESO Wholesale Market Price			**$ 3.69**			**$ 3.14**	**$ (0.56)**	**-15.06%**
HST	13%		$ 0.48	13%		$ 0.41	$ (0.07)	-15.06%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			$ 4.17			$ 3.55	$ (0.63)	-15.06%
8% Provincial Rebate	0%		$ -	0%		$ -	$ -	
Total Bill on Average IESO Wholesale Market Price			**$ 4.17**			**$ 3.55**	**$ (0.63)**	**-15.06%**

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Retailer)
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	$ 21.61	1	$ 21.61	$ 24.18	1	$ 24.18	$ 2.57	11.89%
Distribution Volumetric Rate	$ 0.0035	750	$ 2.63	$ -	750	$ -	$ (2.63)	-100.00%
Fixed Rate Riders	$ 0.93	1	$ 0.93	$ 0.69	1	$ 0.69	$ (0.24)	-25.81%
Volumetric Rate Riders	-$ 0.0002	750	$ (0.15)	$ -	750	$ -	$ 0.15	-100.00%
Sub-Total A (excluding pass through)			$ 25.02			$ 24.87	**$ (0.15)**	**-0.58%**
Line Losses on Cost of Power	$ 0.1038	27	$ 2.80	$ 0.1038	27	$ 2.80	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0008	750	$ (0.56)	-$ 0.00114	750	$ (0.86)	$ (0.29)	52.00%
GA Rate Riders	-$ 0.0005	750	$ (0.38)	$ 0.0012	750	$ 0.90	$ 1.28	-340.00%
Low Voltage Service Charge	$ 0.0002	750	$ 0.15	$ 0.0002	750	$ 0.15	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			**$ 27.60**			**$ 28.44**	**$ 0.84**	**3.03%**
RTSR - Network	$ 0.0076	750	$ 5.70	$ 0.0076	750	$ 5.70	$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0071	750	$ 5.33	$ 0.0072	750	$ 5.40	$ 0.07	1.41%
Sub-Total C - Delivery (including Sub-Total B)			**$ 38.63**			**$ 39.54**	**$ 0.91**	**2.36%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	777	$ 2.80	$ 0.0036	777	$ 2.80	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	777	$ 0.23	$ 0.0003	777	$ 0.23	$ -	0.00%
Standard Supply Service Charge	$ 0.25		$ -	$ 0.25		$ -	$ -	
Debt Retirement Charge (DRC)	$ 0.0070		$ -	$ -		$ -	$ -	
							$ -	
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	$ 0.1320	135	$ 17.82	$ 0.1320	135	$ 17.82	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	750	$ 77.85	$ 0.1038	750	$ 77.85	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	750	$ 77.85	$ 0.1038	750	$ 77.85	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 103.15**			**$ 104.06**	**$ 0.91**	**0.88%**
HST	13%		$ 13.41	13%		$ 13.53	$ 0.12	0.88%
Total Bill on TOU (before 8% Provincial Rebate)			**$ 116.56**			**$ 117.59**	**$ 1.03**	**0.88%**
8% Provincial Rebate	-8%		$ (8.25)	-8%		$ (8.32)	$ (0.07)	0.88%
Total Bill on TOU			**$ 108.31**			**$ 109.26**	**$ 0.96**	**0.88%**
Total Bill on Non-RPP Avg. Price			**$ 119.51**			**$ 120.42**	**$ 0.91**	**0.76%**
HST	13%		$ 15.54	13%		$ 15.65	$ 0.12	0.76%
Total Bill on Non-RPP Avg. price (before 8% Provincial Rebate)			$ 135.04			$ 136.07	$ 1.03	0.76%
Provincial Rebate	-8%		$ (9.56)	-8%		$ (9.63)	$ (0.07)	0.76%
Total Bill on Non-RPP Avg. Price			**$ 125.48**			**$ 126.44**	**$ 0.96**	**0.76%**
Total Bill on Average IESO Wholesale Market Price			**$ 119.51**			**$ 120.42**	**$ 0.91**	**0.76%**
HST	13%		$ 15.54	13%		$ 15.65	$ 0.12	0.76%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			**$ 135.04**			**$ 136.07**	**$ 1.03**	**0.76%**
8% Provincial Rebate	-8%		$ (9.56)	-8%		$ (9.63)	$ (0.07)	0.76%
Total Bill on Average IESO Wholesale Market Price			**$ 125.48**			**$ 126.44**	**$ 0.96**	**0.76%**

Customer Class:	**GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION**
RPP / Non-RPP:	**Non-RPP (Retailer)**
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	$ 43.99	1	$ 43.99	$ 44.39	1	$ 44.39	$ 0.40	0.91%
Distribution Volumetric Rate	$ 0.0128	2000	$ 25.60	$ 0.0129	2000	$ 25.80	$ 0.20	0.78%
Fixed Rate Riders	$ 1.74	1	$ 1.74	$ 1.27	1	$ 1.27	$ (0.47)	-27.01%
Volumetric Rate Riders	$ 0.0010	2000	$ 2.00	$ 0.0012	2000	$ 2.40	$ 0.40	20.00%
Sub-Total A (excluding pass through)			$ 73.33			$ 73.86	**$ 0.53**	**0.72%**
Line Losses on Cost of Power	$ 0.1038	72	$ 7.47	$ 0.1038	72	$ 7.47	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0008	2,000	$ (1.50)	-$ 0.00114	2,000	$ (2.28)	$ (0.78)	52.00%
GA Rate Riders	-$ 0.0005	2,000	$ (1.00)	$ 0.0012	2,000	$ 2.40	$ 3.40	-340.00%
Low Voltage Service Charge	$ 0.0002	2,000	$ 0.40	$ 0.0002	2,000	$ 0.40	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			**$ 79.27**			**$ 82.42**	**$ 3.15**	**3.97%**
RTSR - Network	$ 0.0071	2,000	$ 14.20	$ 0.0071	2,000	$ 14.20	$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0064	2,000	$ 12.80	$ 0.0065	2,000	$ 13.00	$ 0.20	1.56%
Sub-Total C - Delivery (including Sub-Total B)			**$ 106.27**			**$ 109.62**	**$ 3.35**	**3.15%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	2,072	$ 7.46	$ 0.0036	2,072	$ 7.46	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	2,072	$ 0.62	$ 0.0003	2,072	$ 0.62	$ -	0.00%
Standard Supply Service Charge	$ 0.25		$ -	$ 0.25		$ -	$ -	
Debt Retirement Charge (DRC)	$ 0.0070	2,000	$ 14.00	$ -	2,000	$ -	$ (14.00)	-100.00%
							$ -	
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	$ 0.1320	360	$ 47.52	$ 0.1320	360	$ 47.52	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	2,000	$ 207.60	$ 0.1038	2,000	$ 207.60	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	2,000	$ 207.60	$ 0.1038	2,000	$ 207.60	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 292.33**			**$ 281.68**	**$ (10.65)**	**-3.64%**
HST	13%		$ 38.00	13%		$ 36.62	$ (1.38)	-3.64%
Provincial Rebate	-8%		$ (23.39)	-8%		$ (22.53)	$ 0.85	-3.64%
Total Bill on TOU			**$ 306.95**			**$ 295.77**	**$ (11.18)**	**-3.64%**
Total Bill on Non-RPP Avg. Price			**$ 335.95**			**$ 325.30**	**$ (10.65)**	**-3.17%**
HST	13%		$ 43.67	13%		$ 42.29	$ (1.38)	-3.17%
Total Bill on Non-RPP Avg. Price (before 8% Provincial Rebate)			**$ 379.63**			**$ 367.59**	**$ (12.03)**	**-3.17%**
8% Provincial Rebate	-8%		$ (26.88)	-8%		$ (26.02)	$ 0.85	-3.17%
Total Bill on Non-RPP Avg. Price			**$ 352.75**			**$ 341.57**	**$ (11.18)**	**-3.17%**
Total Bill on Average IESO Wholesale Market Price			**$ 335.95**			**$ 325.30**	**$ (10.65)**	**-3.17%**
HST	13%		$ 43.67	13%		$ 42.29	$ (1.38)	-3.17%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			$ 379.63			$ 367.59	$ (12.03)	-3.17%
8% Provincial Rebate	-8%		$ (26.88)	-8%		$ (26.02)	$ 0.85	-3.17%
Total Bill on Average IESO Wholesale Market Price			**$ 352.75**			**$ 341.57**	**$ (11.18)**	**-3.17%**

Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Retailer)
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	$ 9.08	1	$ 9.08	$ 9.16	1	$ 9.16	$ 0.08	0.88%
Distribution Volumetric Rate	$ 0.0165	300	$ 4.95	$ 0.0166	300	$ 4.98	$ 0.03	0.61%
Fixed Rate Riders	$ 0.34	1	$ 0.34	$ 0.26	1	$ 0.26	$ (0.08)	-23.53%
Volumetric Rate Riders	$ 0.0005	300	$ 0.15	$ 0.0004	300	$ 0.12	$ (0.03)	-20.00%
Sub-Total A (excluding pass through)			$ 14.52			$ 14.52	**$ -**	**0.00%**
Line Losses on Cost of Power	$ 0.1038	11	$ 1.12	$ 0.1038	11	$ 1.12	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0008	300	$ (0.23)	-$ 0.00114	300	$ (0.34)	$ (0.12)	52.00%
GA Rate Riders	-$ 0.0005	300	$ (0.15)	$ 0.0012	300	$ 0.36	$ 0.51	-340.00%
Low Voltage Service Charge	$ 0.0002	300	$ 0.06	$ 0.0002	300	$ 0.06	$ -	0.00%
Smart Meter Entity Charge (if applicable) and/or any fixed ($) Deferral/Variance Account Rate Riders	$ 0.57		$ -	$ 0.57		$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 15.33**			**$ 15.72**	**$ 0.39**	**2.56%**
RTSR - Network	$ 0.0071	300	$ 2.13	$ 0.0071	300	$ 2.13	$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0064	300	$ 1.92	$ 0.0065	300	$ 1.95	$ 0.03	1.56%
Sub-Total C - Delivery (including Sub-Total B)			**$ 19.38**			**$ 19.80**	**$ 0.42**	**2.18%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	311	$ 1.12	$ 0.0036	311	$ 1.12	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	311	$ 0.09	$ 0.0003	311	$ 0.09	$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)	$ 0.0070	300	$ 2.10	$ -	300	$ -	$ (2.10)	-100.00%
							$ -	
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	$ 0.1320	54	$ 7.13	$ 0.1320	54	$ 7.13	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	300	$ 31.14	$ 0.1038	300	$ 31.14	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	300	$ 31.14	$ 0.1038	300	$ 31.14	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 47.29**			**$ 45.61**	**$ (1.68)**	**-3.55%**
HST	13%		$ 6.15	13%		$ 5.93	$ (0.22)	-3.55%
Provincial Rebate	-8%		$ (3.78)	-8%		$ (3.65)	$ 0.13	-3.55%
Total Bill on TOU			**$ 49.65**			**$ 47.89**	**$ (1.76)**	**-3.55%**
Total Bill on Non-RPP Avg. Price			**$ 53.83**			**$ 52.15**	**$ (1.68)**	**-3.12%**
HST	13%		$ 7.00	13%		$ 6.78	$ (0.22)	-3.12%
Total Bill on Non-RPP Avg. Price (before 8% Provincial Rebate)			**$ 60.83**			**$ 58.93**	**$ (1.90)**	**-3.12%**
8% Provincial Rebate			$ -	0%		$ -	$ -	
Total Bill on Non-RPP Avg. Price			**$ 60.83**			**$ 58.93**	**$ (1.90)**	**-3.12%**
Total Bill on Average IESO Wholesale Market Price			**$ 53.83**			**$ 52.15**	**$ (1.68)**	**-3.12%**
HST	13%		$ 7.00	13%		$ 6.78	$ (0.22)	-3.12%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			$ 60.83			$ 58.93	$ (1.90)	-3.12%
8% Provincial Rebate	-8%		$ (4.31)	-8%		$ (4.17)	$ 0.13	-3.12%
Total Bill on Average IESO Wholesale Market Price			**$ 56.52**			**$ 54.76**	**$ (1.76)**	**-3.12%**

Customer Class:	LARGE USE SERVICE CLASSIFICATION		#REF!
RPP / Non-RPP:	Non-RPP (Other)	Class B	
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	$ 13,911.73	1	$ 13,911.73	$ 14,036.94	1	$ 14,036.94	$ 125.21	0.90%
Distribution Volumetric Rate	$ 2.9782	5000	$ 14,891.00	$ 3.0050	5000	$ 15,025.00	$ 134.00	0.90%
Fixed Rate Riders	$ 703.18	1	$ 703.18	$ 400.11	1	$ 400.11	$ (303.07)	-43.10%
Volumetric Rate Riders	$ 0.1820	5000	$ 910.00	$ 0.2377	5000	$ 1,188.50	$ 278.50	30.60%
Sub-Total A (excluding pass through)			$ 30,415.91			$ 30,650.55	**$ 234.64**	**0.77%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	-$ 0.4054	5,000	$ (2,027.00)	-$ 0.61540	5,000	$ (3,077.00)	$ (1,050.00)	51.80%
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) and/or any fixed ($) Deferral/Variance Account Rate Riders		1	$ -		1	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 28,807.91**			**$ 27,992.55**	**$ (815.36)**	**-2.83%**
RTSR - Network	$ 2.8211	5,000	$ 14,105.50	$ 2.8343	5,000	$ 14,171.50	$ 66.00	0.47%
RTSR - Connection and/or Line and Transformation Connection	$ 2.6491	5,000	$ 13,245.50	$ 2.6934	5,000	$ 13,467.00	$ 221.50	1.67%
Sub-Total C - Delivery (including Sub-Total B)			**$ 56,158.91**			**$ 55,631.05**	**$ (527.86)**	**-0.94%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	3,043,500	$ 10,956.60	$ 0.0036	3,043,500	$ 10,956.60	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	3,043,500	$ 913.05	$ 0.0003	3,043,500	$ 913.05	$ -	0.00%
Standard Supply Service Charge		1	$ -		1	$ -	$ -	
Debt Retirement Charge (DRC)	$ 0.0070	3,000,000	$ 21,000.00	$ -	3,000,000	$ -	$ (21,000.00)	-100.00%
							$ -	
TOU - Off Peak	$ 0.0650	1,978,275	$ 128,587.88	$ 0.0650	1,978,275	$ 128,587.88	$ -	0.00%
TOU - Mid Peak	$ 0.0940	517,395	$ 48,635.13	$ 0.0940	517,395	$ 48,635.13	$ -	0.00%
TOU - On Peak	$ 0.1320	547,830	$ 72,313.56	$ 0.1320	547,830	$ 72,313.56	$ -	0.00%
Non-RPP Retailer Avg. Price	$ 0.1038	3,043,500	$ 315,915.30	$ 0.1038	3,043,500	$ 315,915.30	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1038	3,043,500	$ 315,915.30	$ 0.1038	3,043,500	$ 315,915.30	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 338,565.13**			**$ 317,037.27**	**$ (21,527.86)**	**-6.36%**
HST	13%		$ 44,013.47	13%		$ 41,214.84	$ (2,798.62)	-6.36%
Total Bill on TOU (before 8% Provincial Rebate)			$ 382,578.59			$ 358,252.11	$ (24,326.48)	-6.36%
8% Provincial Rebate	-8%		$ (27,085.21)	-8%		$ (25,362.98)	$ 1,722.23	-6.36%
Total Bill on TOU			**$ 355,493.38**			**$ 332,889.13**	**$ (22,604.25)**	**-6.36%**
Total Bill on Non-RPP Avg. Price			**$ 404,943.86**			**$ 383,416.00**	**$ (21,527.86)**	**-5.32%**
HST	13%		$ 52,642.70	13%		$ 49,844.08	$ (2,798.62)	-5.32%
Provincial Rebate	-8%		$ (32,395.51)	-8%		$ (30,673.28)	$ 1,722.23	-5.32%
Total Bill on Non-RPP Avg. Price			**$ 425,191.05**			**$ 402,586.80**	**$ (22,604.25)**	**-5.32%**
Total Bill on Average IESO Wholesale Market Price			**$ 404,943.86**			**$ 383,416.00**	**$ (21,527.86)**	**-5.32%**
HST	13%		$ 52,642.70	13%		$ 49,844.08	$ (2,798.62)	-5.32%
Total Bill on Average IESO WMP (before 8% Provincial Rebate)			**$ 457,586.56**			**$ 433,260.08**	**$ (24,326.48)**	**-5.32%**
8% Provincial Rebate			$ -	0%		$ -	$ -	
Total Bill on Average IESO Wholesale Market Price			**$ 457,586.56**			**$ 433,260.08**	**$ (24,326.48)**	**-5.32%**

Alectra - Enersource
Rates

MONTHLY RATES AND CHARGES - DELIVERY COMPONENT

2		3	5	6	7
Description	**Effective until**	**Type**	**Billing Determinant**	**2018**	**2019**
RESIDENTIAL					
Service Charge		Rate	$	21.61	24.18
Distribution Volumetric Rate		Rate	$/kWh	0.0035	0.0000
Low Voltage Service Rate		Rate	$/kWh	0.0002	0.0002
Smart Metering Entity Charge - effective until December 31, 2022		Rate Rider	$	0.57	0.57
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$	0.60	0.60
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	April 30, 2019	Rate Rider	$/kWh	(0.0005)	(0.0005)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	April 30, 2019	Rate Rider	$/kWh	(0.0007)	(0.0007)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019 Applicable Only for Class B Customers	April 30, 2019	Rate Rider	$/kWh	(0.000050)	(0.000050)
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	December 31, 2019	Rate Rider	$/kWh		0.0017
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kWh		(0.0004)
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kWh		0.00001
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kWh		0.0002
Rate Rider for Recovery of Incremental Capital Module (2019) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$		0.16
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$		(0.23)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	April 30, 2019		$/kWh	(0.0002)	(0.0002)
Rate Rider for Recovery of Incremental Capital Module (2018) - in effect until the effective date of the next cost of service based rate order			$	0.16	0.16
Rate Rider for Recovery of 2018 Foregone Revenue - effective until December 31, 2018	December 31, 2018		$	0.17	
Retail Transmission Rate – Network Service Rate		Rate	$/kWh	0.0076	0.0076
Retail Transmission Rate – Line and Transformation Connection Service Rate		Rate	$/kWh	0.0071	0.0072

GENERAL SERVICE LESS THAN 50 KW					
Service Charge		Rate	$	43.99	44.39
Distribution Volumetric Rate		Rate	$/kWh	0.0128	0.0129
Low Voltage Service Rate		Rate	$/kWh	0.0002	0.0002
Smart Metering Entity Charge - effective until December 31, 2022		Rate Rider	$	0.57	0.57
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$	1.10	1.10
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	April 30, 2019	Rate Rider	$/kWh	-0.0005	(0.0005)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	April 30, 2019	Rate Rider	$/kWh	(0.0007)	(0.0007)
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$/kWh	0.0003	0.0003
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019			$/kWh		
Applicable Only for Class B Customers	April 30, 2019	Rate Rider		(0.00005)	(0.00005)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	April 30, 2019		$/kWh	0.0006	0.0006
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019			$/kWh		
Applicable only for Non-RPP Customers	December 31, 2019	Rate Rider			0.0017
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kWh		(0.0004)
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019			$/kWh		
Applicable Only for Class B Customers	December 31, 2019	Rate Rider			0.00001
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kWh		0.0002
Rate Rider for Recovery of Incremental Capital Module (2019) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$		0.30
Rate Rider for Recovery of Incremental Capital Module (2019) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$/kWh		0.0001
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$		(0.4200)
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kWh		(0.0001)
Rate Rider for Recovery of Incremental Capital Module (2018) - in effect until the effective date of the next cost of service based rate order			$/kWh	0.0001	0.0001
Rate Rider for Recovery of Incremental Capital Module (2018) - in effect until the effective date of the next cost of service based rate order			$	0.2900	0.2900
Rate Rider for Recovery of 2018 Foregone Revenue - effective until December 31, 2018	December 31, 2018		$	0.3500	
Retail Transmission Rate - Network Service Rate		Rate	$/kWh	0.0071	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate		Rate	$/kWh	0.0064	0.0065

GENERAL SERVICE 50 - 499 KW					
Service Charge		Rate	$	77.48	78.18
Distribution Volumetric Rate		Rate	$/kW	4.6629	4.7049
Low Voltage Service Rate		Rate	$/kW	0.0802	0.0802
Transformer Discount		Rate	$/kW	(0.4000)	(0.4000)
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$	1.93	1.93
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019 Applicable only for Non-RPP Customers	April 30, 2019	Rate Rider	$/kWh	(0.0005)	(0.0005)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	April 30, 2019	Rate Rider	$/kW	0.1005	0.1005
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019 Applicable only for Non-Wholesale Market Participants	April 30, 2019	Rate Rider	$/kW	(0.3538)	(0.3538)
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$/kW	0.1163	0.1163
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019			$/kW		
Applicable Only for Non-WMP Class B Customers	April 30, 2019	Rate Rider		(0.01606)	(0.01606)
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019			$/kWh		
Applicable only for Non-RPP Customers	December 31, 2019	Rate Rider			0.0017
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019			$/kW		
Applicable only for Non-Wholesale Market Participants	December 31, 2019	Rate Rider			(0.3484)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kW		0.2188
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019			$/kW		
Applicable Only for Non-WMP Class B Customers	December 31, 2019	Rate Rider			0.00237
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kW		0.1951
Rate Rider for Recovery of Incremental Capital Module (2019) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$		0.53
Rate Rider for Recovery of Incremental Capital Module (2019) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$/kW		0.0317
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$		(0.7400)
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kW		(0.0447)
Rate Rider for Recovery of Incremental Capital Module (2018) - in effect until the effective date of the next cost of service based rate order			$	0.5100	0.5100
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	April 30, 2019		$/kW	0.4585	0.4585
Rate Rider for Recovery of Incremental Capital Module (2018) - in effect until the effective date of the next cost of service based rate order			$/kW	0.0308	0.0308
Rate Rider for Recovery of 2018 Foregone Revenue - effective until December 31, 2018	December 31, 2018		$	2.8400	
Retail Transmission Rate - Network Service Rate		Rate	$/kW	2.7325	2.7453
Retail Transmission Rate - Line and Transformation Connection Service Rate		Rate	$/kW	2.5347	2.5771

GENERAL SERVICE 500 - 4999 KW					
Service Charge		Rate	$	1,764.42	1,780.30
Distribution Volumetric Rate		Rate	$/kW	2.3994	2.4210
Low Voltage Service Rate		Rate	$/kW	0.0784	0.0784
Transformer Discount		Rate	$/kW	(0.4000)	(0.4000)
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$	44.00	44.00
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019			$/kWh		
Applicable only for Non-RPP Customers	April 30, 2019	Rate Rider		(0.0005)	(0.0005)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	April 30, 2019	Rate Rider	$/kW	0.1272	0.1272
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019			$/kW		
Applicable only for Non-Wholesale Market Participants	April 30, 2019	Rate Rider		(0.4465)	(0.4465)
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$/kW	0.0598	0.0598
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019			$/kW		
Applicable Only for Non-WMP Class B Customers	April 30, 2019	Rate Rider		(0.019990)	(0.019990)
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019			$/kWh		
Applicable only for Non-RPP Customers	December 31, 2019	Rate Rider			0.0017
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019			$/kW		
Applicable only for Non-Wholesale Market Participants	December 31, 2019	Rate Rider			(0.4388)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kW		0.2760
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019			$/kW		
Applicable Only for Non-WMP Class B Customers	December 31, 2019	Rate Rider			0.00278
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kW		0.0752
Rate Rider for Recovery of Incremental Capital Module (2019) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$		11.99
Rate Rider for Recovery of Incremental Capital Module (2019) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$/kW		0.0163
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$		(16.9000)
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kW		(0.0230)
Rate Rider for Recovery of Incremental Capital Module (2018) - in effect until the effective date of the next cost of service based rate order			$	11.65	11.65
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	April 30, 2019		$/kW	0.1410	0.1410
Rate Rider for Recovery of Incremental Capital Module (2018) - in effect until the effective date of the next cost of service based rate order			$/kW	0.0158	0.0158
Rate Rider for Recovery of 2018 Foregone Revenue - effective until December 31, 2018	December 31, 2018		$	16.1800	
Retail Transmission Rate - Network Service Rate		Rate	$/kW	2.6436	2.6560
Retail Transmission Rate - Line and Transformation Connection Service Rate		Rate	$/kW	2.4803	2.5218

LARGE USE					
Service Charge		Rate	$	13,911.73	14,036.94
Distribution Volumetric Rate		Rate	$/kW	2.9782	3.0050
Low Voltage Service Rate		Rate	$/kW	0.0838	0.0838
Transformer Discount		Rate	$/kW	(0.4000)	(0.4000)
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$	346.90	346.90
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	April 30, 2019	Rate Rider	$/kW	(0.4054)	(0.4054)
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$/kW	0.0743	0.0743
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019			$/kWh		
Applicable only for Non-RPP Customers	December 31, 2019	Rate Rider			0.0000
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kW		(0.2100)
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019			$/kW		
Applicable Only for Non-WMP Class B Customers	December 31, 2019	Rate Rider			0.00001
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kW		0.0640
Rate Rider for Recovery of Incremental Capital Module (2019) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$		94.56
Rate Rider for Recovery of Incremental Capital Module (2019) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$/kW		0.0202
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$		(133.2400)
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kW		(0.0285)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	April 30, 2019		$/kW	0.0880	0.0880
Rate Rider for Recovery of Incremental Capital Module (2018) - in effect until the effective date of the next cost of service based rate order			$/kW	0.0197	0.0197
Rate Rider for Recovery of Incremental Capital Module (2018) - in effect until the effective date of the next cost of service based rate order			$	91.8900	91.8900
Rate Rider for Recovery of 2018 Foregone Revenue - effective until December 31, 2018	December 31, 2018		$	264.3900	
Retail Transmission Rate - Network Service Rate – Interval Metered		Rate	$/kW	2.8211	2.8343
Retail Transmission Rate - Line and Transformation Connection Service Rate – Interval Metered		Rate	$/kW	2.6491	2.6934

UNMETERED SCATTERED LOAD					
Service Charge		Rate	$	9.08	9.16
Distribution Volumetric Rate		Rate	$/kWh	0.0165	0.0166
Low Voltage Service Rate		Rate	$/kWh	0.0002	0.0002
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$	0.23	0.23
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019			$/kWh		
Applicable only for Non-RPP Customers	April 30, 2019	Rate Rider		-0.0005	(0.0005)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	April 30, 2019	Rate Rider	$/kWh	(0.0007)	(0.0007)
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$/kWh	0.0004	0.0004
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019			$/kWh		
Applicable Only for Class B Customers	April 30, 2019	Rate Rider		(0.00005)	(0.00005)
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019			$/kWh		
Applicable only for Non-RPP Customers	December 31, 2019	Rate Rider			0.0017
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kWh		(0.0004)
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019			$/kWh		
Applicable Only for Class B Customers	December 31, 2019	Rate Rider			0.00001
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kWh		0.0000
Rate Rider for Recovery of Incremental Capital Module (2019) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$		0.06
Rate Rider for Recovery of Incremental Capital Module (2019) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$/kWh		0.0001
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$		(0.0900)
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kWh		(0.0002)
Rate Rider for Recovery of Incremental Capital Module (2018) - in effect until the effective date of the next cost of service based rate order			$/kWh	0.0001	0.0001
Rate Rider for Recovery of Incremental Capital Module (2018) - in effect until the effective date of the next cost of service based rate order			$	0.0600	0.0600
Rate Rider for Recovery of 2018 Foregone Revenue - effective until December 31, 2018	December 31, 2018		$	0.0500	
Retail Transmission Rate - Network Service Rate		Rate	$/kWh	0.0071	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate		Rate	$/kWh	0.0064	0.0065

STREET LIGHTING					
Service Charge		Rate	$	1.52	1.53
Distribution Volumetric Rate		Rate	$/kW	11.6504	11.7553
Low Voltage Service Rate		Rate	$/kW	0.0580	0.0580
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$	0.04	0.04
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until April 30, 2019			$/kWh		
Applicable only for Non-RPP Customers	April 30, 2019	Rate Rider		-0.0005	(0.0005)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until April 30, 2019	April 30, 2019	Rate Rider	$/kW	(0.2616)	(0.2616)
Rate Rider for Recovery of Incremental Capital Module (2017) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$/kW	0.2905	0.2905
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until April 30, 2019			$/kW		
Applicable Only for Non-WMP Class B Customers	April 30, 2019	Rate Rider		(0.01655)	(0.01655)
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019			$/kWh		
Applicable only for Non-RPP Customers	December 31, 2019	Rate Rider			0.0017
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kW		(0.1354)
Rate Rider for Disposition of Capacity Based Recovery Account (2019) - effective until December 31, 2019			$/kW		
Applicable Only for Non-WMP Class B Customers	December 31, 2019	Rate Rider			0.00248
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kW		(3.7908)
Rate Rider for Recovery of Incremental Capital Module (2019) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$		0.01
Rate Rider for Recovery of Incremental Capital Module (2019) - in effect until the effective date of the next cost of service based rate order		Rate Rider	$/kW		0.0792
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$		(0.0100)
Rate Rider for Disposition of Capitalization Policy Rate Rider (2019) - effective until December 31, 2019	December 31, 2019	Rate Rider	$/kW		(0.1116)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2019	April 30, 2019		$/kW	(33.3532)	(33.3532)
Rate Rider for Recovery of Incremental Capital Module (2018) - in effect until the effective date of the next cost of service based rate order			$	0.0100	0.0100
Rate Rider for Recovery of Incremental Capital Module (2018) - in effect until the effective date of the next cost of service based rate order			$/kW	0.0770	0.0770
Rate Rider for Recovery of 2018 Foregone Revenue - effective until December 31, 2018	**12/31/2018**		$	0.0100	
Retail Transmission Rate - Network Service Rate		Rate	$/kW	1.8924	1.9012
Retail Transmission Rate - Line and Transformation Connection Service Rate		Rate	$/kW	1.8329	1.8635
MICROFIT					
Service Charge		Rate	$	5.40	5.40

Distribution Bill Impacts

Customer Class	Billing Units	Average Monthly Volume	2019 vs. 2018	
			$	%
Residential	kWh	750	$ (0.15)	(0.58)%
GS<50	kWh	2,000	$ 0.53	0.72%
GS 50-499 kW	kW	230	$ 49.19	3.80%
GS 500-4,999 kW	kW	2,250	$ 197.51	2.56%
Large User	kW	5,000	$ 234.64	0.77%
Street Lighting	kW	-	$ (0.37)	67.17%

Table excludes the impact of HST (13%) & Provinicial Rebate (8%)

Distribution Bill and All Rate Rider Bill Impacts

Customer Class	Billing Units	Average Monthly Volume	2019 vs. 2018	
			$	%
Residential	kWh	750	$ (0.44)	(1.60)%
GS<50	kWh	2,000	$ (0.25)	(0.32)%
GS 50-499 kW	kW	230	$ 189.93	15.81%
GS 500-4,999 kW	kW	2,250	$ 517.47	7.46%
Large User	kW	5,000	$ (815.36)	(2.83)%
Unmetered Scattered Load	kWh	0	$ (0.12)	(0.77)%
Street Lighting	kW	-	$ (0.33)	70.19%

Table excludes the impact of HST (13%) & Provinicial Rebate (8%)

Total Bill Impacts

Customer Class	Billing Units	Average Monthly Volume	2019 vs. 2018	
			$	%
Residential	kWh	750	$ (0.36)	(0.35)%
GS<50	kWh	2,000	$ (14.05)	(4.81)%
GS 50-499 kW	kW	230	$ (497.37)	(3.49)%
GS 500-4,999 kW	kW	2,250	$ (2,161.26)	(3.28)%
Large User	kW	5,000	$ (21,527.86)	(5.32)%
Unmetered Scattered Load	kWh	0	$ (2.19)	(4.61)%
Street Lighting	kW	-	$ (0.56)	(15.06)%

Table excludes the impact of HST (13%) & Provinicial Rebate (8%)

Total Bill Impacts including HST

Customer Class	Billing Units	Average Monthly Volume	2018 vs. 2017	
			$	%
Residential	kWh	750	$ (0.38)	(0.35)%
GS<50	kWh	2,000	$ (14.75)	(4.81)%
GS 50-499 kW	kW	230	$ (562.03)	(3.49)%
GS 500-4,999 kW	kW	2,250	$ (2,442.22)	(3.28)%
Large User	kW	5,000	$ (24,326.48)	(5.32)%
Unmetered Scattered Load	kWh	0	$ (2.30)	(4.61)%
Street Lighting	kW	-	$ (0.63)	(15.06)%

INCENTIVE REGULATION MODEL FOR 2019 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 page 9 of the Filing Requirements For Electricity Distribution Rate Applications issued July 14, 2016.**

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

Note:
1. For those classes that are not eligible for the RPP price, the weighted average price including Class B GA through end of February 2017 of $0.1058/kWh (IESO's Monthly Market Report for February 2017, 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.

Table 1

RATE CLASSES / CATEGORIES ***(eg: Residential TOU, Residential Retailer)***	**Units**	**RPP? Non-RPP Retailer? Non-RPP Other?**	**Current Loss Factor**	**Proposed Loss Factor**	**Consumption (kWh)**	**Demand kW (if applicable)**	**RTSR**	**Billing Determinant Applied to Fixed Charge for Unmetered Classes (e.g. # of devices/connections).**
RESIDENTIAL SERVICE CLASSIFICATION	kWh	RPP	1.0360	1.0360	750		N/A	
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	RPP	1.0360	1.0360	2,000		N/A	
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0360	1.0360	100,000	230	DEMAND	
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0360	1.0360	400,000	2,250	DEMAND	
LARGE USE SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0145	1.0145	3,000,000	5,000	DEMAND	
STANDBY POWER SERVICE CLASSIFICATION	kW		1.0360	1.0360	-	-	DEMAND	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	RPP	1.0360	1.0360	300		N/A	
STREET LIGHTING SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0360	1.0360	33	0	DEMAND	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0360	1.0360	750		N/A	
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0360	1.0360	2,000		N/A	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0360	1.0360	300		N/A	
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0360	1.0360	100,000	230	DEMAND - INTERVAL	
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0360	1.0360	400,000	2,250	DEMAND - INTERVAL	
LARGE USE SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0145	1.0145	3,000,000	5,000	DEMAND - INTERVAL	
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								

Table 2

RATE CLASSES / CATEGORIES *(eg: Residential TOU, Residential Retailer)*	Units	Sub-Total						Total	
		A		B		C		A + B + C	
		$	%	$	%	$	%	$	%
RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	$ 1.31	5.6%	$ 1.19	4.8%	$ 1.22	4.2%	$ 1.23	2.1%
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION - RPP	kWh	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%
LARGE USE SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%
STANDBY POWER SERVICE CLASSIFICATION -	kW	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - RPP	kWh	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%
STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%
RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%
GENERAL SERVICE 50 to 499 kW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%
GENERAL SERVICE 500 to 4,999 kW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%
LARGE USE SERVICE CLASSIFICATION - Non-RPP (Other)	kW	$ -	0.0%	$ -	0.0%	$ -	0.0%	$ -	0.0%
	0								

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	10th percentile
Consumption	308	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	$ 21.61	1	$ 21.61	$ 24.18	1	$ 24.18	$ 2.57	11.89%
Distribution Volumetric Rate	$ 0.0035	308	$ 1.08	$ -	308	$ -	$ (1.08)	-100.00%
Fixed Rate Riders	$ 0.93	1	$ 0.93	$ 0.69	1	$ 0.69	$ (0.24)	-25.81%
Volumetric Rate Riders	-$ 0.0002	308	$ (0.06)	$ -	308	$ -	$ 0.06	-100.00%
Sub-Total A (excluding pass through)			$ 23.56			$ 24.87	**$ 1.31**	**5.58%**
Line Losses on Cost of Power	$ 0.0822	11	$ 0.91	$ 0.0820	11	$ 0.91	$ (0.00)	-0.21%
Total Deferral/Variance Account Rate Riders	-$ 0.0008	308	$ (0.23)	-$ 0.0011	308	$ (0.35)	$ (0.12)	52.00%
GA Rate Riders								
Low Voltage Service Charge	$ 0.0002	308	$ 0.06	$ 0.0002	308	$ 0.06	$ -	0.00%
Smart Meter Entity Charge (if applicable)	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			**$ 24.87**			**$ 26.06**	**$ 1.19**	**4.79%**
RTSR - Network	$ 0.0076	308	$ 2.34	$ 0.0076	308	$ 2.34	$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0071	308	$ 2.19	$ 0.0072	308	$ 2.22	$ 0.03	1.41%
Sub-Total C - Delivery (including Sub-Total B)			**$ 29.40**			**$ 30.62**	**$ 1.22**	**4.16%**
Wholesale Market Service Charge (WMSC)	$ 0.0036	319	$ 1.15	$ 0.0036	319	$ 1.15	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0003	319	$ 0.10	$ 0.0003	319	$ 0.10	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Debt Retirement Charge (DRC)								
TOU - Off Peak	$ 0.0650	200	$ 13.01	$ 0.0650	200	$ 13.01	$ -	0.00%
TOU - Mid Peak	$ 0.0950	52	$ 4.97	$ 0.0940	52	$ 4.92	$ (0.05)	-1.05%
TOU - On Peak	$ 0.1320	55	$ 7.32	$ 0.1320	55	$ 7.32	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 56.20**			**$ 57.37**	**$ 1.17**	**2.08%**
HST	13%		$ 7.31	13%		$ 7.46	$ 0.15	2.08%
8% Provincial Rebate	-8%		$ (4.50)	-8%		$ (4.59)	$ (0.09)	2.08%
Total Bill on TOU			**$ 59.01**			**$ 60.23**	**$ 1.23**	**2.08%**

ATTACHMENT 39
GA WORKFORM
ENERSOURCE RZ

Account 1589 Global Adjustment (GA) Analysis Workform

Input cells
Drop down cells

Note 1 **Year(s) Requested for Disposition** **2016**

Note 2 **Consumption Data Excluding for Loss Factor (Data to agree with RRR as applicable)**

Year		2017			Per RRR		For reference only, please delete b
Total Metered excluding WMP	C = A+B	7,049,393,114	kWh	100%	7,049,393,114	-	
RPP	A	2,388,059,258	kWh	33.9%	2,370,910,347	17,148,911	WMP
Non RPP	B = D+E	4,661,333,856	kWh	66.1%	4,678,482,767	- 17,148,911	WMP
Non-RPP Class A	D	1,462,047,390	kWh	20.7%	1,462,047,390	-	
Non-RPP Class B*	E	3,199,286,466	kWh	45.4%	3,216,435,377	- 17,148,911	WMP

*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 **2017**

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	290,923,728	290,424,702	307,651,779	308,150,805	0.06687	$ 20,606,044	0.08227	$ 25,351,567	$ 4,745,522
February	248,973,049	307,651,779	284,155,372	225,476,642	0.10559	$ 23,808,079	0.08639	$ 19,478,927	-$ 4,329,152
March	295,059,076	284,155,372	276,221,701	287,125,405	0.08409	$ 24,144,375	0.07135	$ 20,486,398	-$ 3,657,978
April	248,150,855	276,221,701	295,788,865	267,718,019	0.06874	$ 18,402,937	0.10778	$ 28,854,648	$ 10,451,711
May	256,168,916	295,788,865	255,276,713	215,656,764	0.10623	$ 22,909,218	0.12307	$ 26,540,878	$ 3,631,660
June	292,434,019	255,276,713	278,520,571	315,677,877	0.11954	$ 37,736,133	0.11848	$ 37,401,515	-$ 334,619
July	283,923,355	278,520,571	306,052,827	311,455,611	0.10652	$ 33,176,252	0.11280	$ 35,132,193	$ 1,955,941
August	300,198,762	306,052,827	233,613,877	227,759,812	0.11500	$ 26,192,378	0.10109	$ 23,024,239	-$ 3,168,139
September	285,088,945	233,613,877	234,109,190	285,584,258	0.12739	$ 36,380,579	0.08864	$ 25,314,189	-$ 11,066,390
October	265,367,150	234,109,190	216,420,563	247,678,524	0.10212	$ 25,292,931	0.12563	$ 31,115,853	$ 5,822,922
November	269,672,952	216,420,563	203,269,809	256,522,198	0.11164	$ 28,638,138	0.09704	$ 24,892,914	-$ 3,745,224
December	288,179,676	203,269,809	261,900,105	346,809,972	0.08391	$ 29,100,825	0.09207	$ 31,930,794	$ 2,829,969
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	**3,324,140,484**	**3,181,505,970**	**3,152,981,373**	**3,295,615,887**		**$ 326,387,889**		**$ 329,524,114**	**$ 3,136,226**

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)			**$ 2,524,883**	
1a	Remove impacts to GA from prior year RPP Settlement true up process that are booked in current year	Y	$ 2,514,038	
1b	Add impacts to GA from current year RPP Settlement true up process that are booked in subsequent year	Y	$ 1,063,861	
2a	Remove prior year end unbilled to actual revenue differences	Y	-$ 1,530,001	
2b	Add current year end unbilled to actual revenue differences	Y	$ 980,410	
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		-$ 157,273	
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	$ 5,395,918
Net Change in Expected GA Balance in the Year Per Analysis	$ 3,136,226
Unresolved Difference	$ 2,259,693
Unresolved Difference as % of Expected GA Payments to IESO	0.7%

Note 7 **Summary of GA (if multiple years requested for disposition)**

Year	Annual Net Change in Expected GA Balance from GA Analysis (cell K59)	Net Change in Principal Balance in the GL (cell D65)	Reconciling Items (sum of cells D66 to D78)	Adjusted Net Change in Principal Balance in the GL	Unresolved Difference	Payments to IESO (cell J59)	Unresolved Difference as % of Expected GA Payments to IESO
2017	$ 3,136,226	$ 2,524,883	$ 2,871,035	$ 5,395,918	$ 2,259,693	$ 329,524,114	0.7%
				$ -	$ -		0.0%
				$ -	$ -		0.0%
				$ -	$ -		0.0%
Cumulative Balance	**$ 3,136,226**	**$ 2,524,883**	**$ 2,871,035**	**$ 5,395,918**	**$ 2,259,693**	**$ 329,524,114**	**N/A**

Additional Notes and Comments

ATTACHMENT 40
DISPOSITION OF CAPITALIZATION POLICY BALANCES ENERSOURCE RZ

Alectra Utilities

Capitalization Policy Rate Riders - Enersource Rate Zone

Rate Class	Service Charge Rate Rider	Volumetric Rate Rider	Per
Residential	-$0.23	$0.00	kWh
General Service under 50 kW	-$0.42	-$0.0001	kWh
General Service 50 to 499 kW	-$0.74	-$0.0447	kW
General Service 500 to 4999 kW	-$16.90	-$0.0230	kW
Large Use	-$133.24	-$0.0285	kW
Unmetered	-$0.09	-$0.0002	kWh
Street Lighting	-$0.01	-$0.1116	kW

Input the billing determinants and base distribution rates associated with 's 2017 Actual Distribution Revenues. Sheets 4 & 5 calculate the

Rate Class	Units	2017 Actual Distribution Revenues Billed Customers or Connections	Billed kWh	Billed kW (if applicable)	2017 Actual Distribution Revenues Monthly Service Charge	Distribution Volumetric Rate kWh	Distribution Volumetric Rate kW
RESIDENTIAL	$/kWh	183,145	1,440,461,108		19.11	0.0069	
GENERAL SERVICE LESS THAN 50 KW	$/kWh	18,413	618,679,646		43.60	0.0127	
GENERAL SERVICE 50 TO 999 KW	$/kW	3,692	1,993,768,779	5,780,039	76.79		4.6213
GENERAL SERVICE 500 TO 4,999 KW	$/kW	471	2,006,067,810	4,610,762	1748.68		2.3780
LARGE USE	$/kW	9	981,267,691	1,753,816	13787.64		2.9516
UNMETERED SCATTERED LOAD	$/kWh	3,106	11,421,124		9.00	0.0164	
STREET LIGHTING	$/kW	50,724	14,875,866	41,240	1.51		11.5465

Current Revenue from Rates

This sheet is used to determine the applicant's most current allocation of revenues (after the most recent revenue to cost ratio adjustment, if applicable)

Rate Class	Most Recent Board-Approved Base Rates			2017 Actual Distribution Revenues											
	Monthly Service Charge	Distribution Volumetric Rate kWh	Distribution Volumetric Rate kW	Re-based Billed Customers or Connections	Re-based Billed kWh	Re-based Billed kW	Current Base Service Charge Revenue	Current Base Distribution Volumetric Rate kWh Revenue	Current Base Distribution Volumetric Rate kW Revenue	Total Current Base Revenue	Service Charge % Total Revenue	Distribution Volumetric Rate % Total Revenue	Distribution Volumetric Rate % Total Revenue	Total % Revenue
	A	B	C	D	E	F	G = A * D *12	H = B * E	I = C * F	J = G + H + I	$L = G / J_{total}$	$M = H / J_{total}$	$N = I / J_{total}$	$O = J / J_{total}$
RESIDENTIAL	21.61	0.0035	0.0000	183,145	1,440,461,108		47,493,161	5,041,614	0	52,534,775	36.46%	3.87%	0.00%	40.3%
GENERAL SERVICE LESS THAN 50 KW	43.99	0.0128	0.0000	18,413	618,679,646		9,719,854	7,919,099	0	17,638,954	7.46%	6.08%	0.00%	13.5%
GENERAL SERVICE 50 TO 999 KW	77.48	0.0000	4.6629	3,692	1,993,768,779	5,780,039	3,432,674	0	26,951,744	30,384,418	2.64%	0.00%	20.69%	23.3%
GENERAL SERVICE 500 TO 4,999 KW	1764.42	0.0000	2.3994	471	2,006,067,810	4,610,762	9,972,502	0	11,063,063	21,035,565	7.66%	0.00%	8.49%	16.1%
LARGE USE	13911.73	0.0000	2.9782	9	981,267,691	1,753,816	1,502,467	0	5,223,215	6,725,682	1.15%	0.00%	4.01%	5.2%
UNMETERED SCATTERED LOAD	9.08	0.0165	0.0000	3,106	11,421,124		338,430	188,449	0	526,878	0.26%	0.14%	0.00%	0.4%
STREET LIGHTING	1.52	0.0000	11.6504	50,724	14,875,866	41,240	925,206	0	480,462	1,405,668	0.71%	0.00%	0.37%	1.1%
Total							**73,384,294**	**13,149,162**	**43,718,485**	**130,251,941**				**100.0%**

Calculation of incremental rate rider. Choose one of the 3 options:

(•) Fixed and Variable Rate Riders ( ) Variable Only Rate Rider ( ) Fixed Only Rate Rider

Rate Class	Service Charge % Revenue	Distribution Volumetric Rate % Revenue kWh	Distribution Volumetric Rate % Revenue kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Total Revenue by Rate Class	Billed Customers or Connections	Billed kWh	Billed kW	Service Charge Rate Rider	Distribution Volumetric Rate kWh Rate Rider	Distribution Volumetric Rate kW Rate Rider
	From Sheet 8	*From Sheet 8*	*From Sheet 8*	Col C * Col I_{total}	Col D* Col I_{total}	Col E* Col I_{total}		*From Sheet 4*	*From Sheet 4*	*From Sheet 4*	Col F / Col K / 12	Col G / Col L	Col H / Col M
RESIDENTIAL	36.46%	3.87%	0.00%	-454,870	-48,286	0	-503,156	183,145	1,440,461,108		-0.23	0.0000	0.0000
GENERAL SERVICE LESS THAN 50 KW	7.46%	6.08%	0.00%	-93,093	-75,846	0	-168,939	18,413	618,679,646		-0.42	-0.0001	0.0000
GENERAL SERVICE 50 TO 999 KW	2.64%	0.00%	20.69%	-32,877	0	-258,133	-291,009	3,692	1,993,768,779	5,780,039	-0.74	0.0000	-0.0447
GENERAL SERVICE 500 TO 4,999 KW	7.66%	0.00%	8.49%	-95,513	0	-105,957	-201,470	471	2,006,067,810	4,610,762	-16.90	0.0000	-0.0230
LARGE USE	1.15%	0.00%	4.01%	-14,390	0	-50,026	-64,416	9	981,267,691	1,753,816	-133.24	0.0000	-0.0285
UNMETERED SCATTERED LOAD	0.26%	0.14%	0.00%	-3,241	-1,805	0	-5,046	3,106	11,421,124		-0.09	-0.0002	0.0000
STREET LIGHTING	0.71%	0.00%	0.37%	-8,861	0	-4,602	-13,463	50,724	14,875,866	41,240	-0.01	0.0000	-0.1116
Total	**56.34%**	**10.10%**	**33.56%**	**-702,844**	**-125,937**	**-418,718**	**-1,247,499**	**259,560**	**7,066,542,024**	**12,185,857**			
							-1,247,499						

ATTACHMENT 41
RENEWABLE GENERATION CONNECTION FUNDING
ENERSOURCE RZ

Alectra Utilities - Enersource Rate Zone
EB-2018-0016
Calculation of Renewable Generation Connection Provincial Amount

	2010 ACTUAL		2011 ACTUAL		2012 ACTUAL	
Net Fixed Assets (2 year average)		$ 11,110		$ 64,140		$ 183,723
OM&A	$ -		$ -		$ -	
WCA	13.3%	$ -	13.3%	$ -	13.3%	$ -
Rate Base		$ 11,110		$ 64,140		$ 183,723
Deemed ST Debt	4%	$ 444	4%	$ 2,566	4%	$ 7,349
Deemed LT Debt	56%	$ 6,222	56%	$ 35,918	56%	$ 102,885
Deemed Equity	40%	$ 4,444	40%	$ 25,656	40%	$ 73,489
ST Interest	4.47%	$ 20	4.47%	$ 115	4.47%	$ 328
LT Interest	6.44%	$ 401	6.44%	$ 2,313	6.44%	$ 6,626
ROE	8.57%	$ 381	8.57%	$ 2,199	8.57%	$ 6,298
		$ 801		$ 4,627		$ 13,252
OM&A		$ -		$ -		$ -
Amortization		$ 766		$ 4,476		$ 13,032
Grossed-up PILs		-$ 586		-$ 2,334		-$ 2,081
Revenue Requirement		$ 981		$ 6,768		$ 24,204

Direct Benefit	2010	2011	2012
OM&A	$ -	$ -	$ -
Capital	$ 981	$ 6,768	$ 24,204
Direct Benefit % on capital	6.00%	6.00%	6.00%
Direct Benefit on capital	$ 59	$ 406	$ 1,452
Total GEA Recovery	$ 59	$ 406	$ 1,452
Provincial Rate Protection	$ 923	$ 6,362	$ 22,751
Monthly Adder Amount Paid by IESO	$ 77	$ 530	$ 1,896

2013 ACTUAL		2014 ACTUAL		2015 ACTUAL		2016 ACTUAL		2017 ACTUAL		2018 ESTIMATE	
	$ 332,417		$ 456,550		$ 575,885		$ 701,277		$ 819,276		$ 909,740
$ 23,800		$ 23,439		$ 43,615		$ 58,050		$ 51,196		$ 30,866	
13.5%	$ 3,213	13.5%	$ 3,164	13.5%	$ 5,888	13.5%	$ 7,837	13.5%	$ 6,911	13.5%	$ 4,167
	$ 335,630		$ 459,715		$ 581,773		$ 709,114		$ 826,187		$ 913,907
4%	$ 13,425	4%	$ 18,389	4%	$ 23,271	4%	$ 28,365	4%	$ 33,047	4%	$ 36,556
56%	$ 187,953	56%	$ 257,440	56%	$ 325,793	56%	$ 397,104	56%	$ 462,665	56%	$ 511,788
40%	$ 134,252	40%	$ 183,886	40%	$ 232,709	40%	$ 283,646	40%	$ 330,475	40%	$ 365,563
2.08%	$ 279	2.08%	$ 382	2.08%	$ 484	2.08%	$ 590	2.08%	$ 687	2.08%	$ 760
5.09%	$ 9,567	5.09%	$ 13,104	5.09%	$ 16,583	5.09%	$ 20,213	5.09%	$ 23,550	5.09%	$ 26,050
8.93%	$ 11,989	8.93%	$ 16,421	8.93%	$ 20,781	8.93%	$ 25,330	8.93%	$ 29,511	8.93%	$ 32,645
	$ 21,835		$ 29,907		$ 37,848		$ 46,132		$ 53,748		$ 59,455
	$ 23,800		$ 23,439		$ 43,615		$ 58,050		$ 51,196		$ 30,866
	$ 24,186		$ 34,414		$ 45,018		$ 56,770		$ 68,823		$ 77,746
	$ 1,118		$ 4,527		$ 6,345		$ 7,850		$ 9,494		$ 10,269
	$ 70,938		$ 92,287		$ 132,825		$ 168,803		$ 183,261		$ 178,336

2013 ACTUAL	2014 ACTUAL	2015 ACTUAL	2016 ACTUAL	2017 ACTUAL	2018 ESTIMATE
$ 23,800	$ 23,439	$ 43,615	$ 58,050	$ 51,196	$ 30,866
$ 47,138	$ 68,848	$ 89,210	$ 110,753	$ 132,065	$ 147,470
6.00%	6.00%	6.00%	6.00%	6.00%	6.00%
$ 2,828	$ 4,131	$ 5,353	$ 6,645	$ 7,924	$ 8,848
$ 26,628	$ 27,570	$ 48,968	$ 64,695	$ 59,119	$ 39,714
$ 44,310	$ 64,717	$ 83,858	$ 104,108	$ 124,141	$ 138,621
$ 3,693	$ 5,393	$ 6,988	$ 8,676	$ 10,345	$ 11,552

	COS	2014 Price Cap	2015 Price Cap	2016 Price Cap	2017 Price Cap	2018 Price Cap
A	B	C	D	E	F	G
2010A to 2018E Total	EB-2012-0033	EB-2013-0124	EB-2014-0068	EB-2015-0065	EB-2016-0002	EB-2017-0024
$ 909,740	$ 318,202	$ 464,760	$ 412,690	$ 806,606	$ 655,758	$ 965,584
$ 230,966	$ -	$ 7,000	$ 23,000	$ 27,000	$ 46,512	$ 14,388
13.5% $ 31,180	13.5% $ -	13.5% $ 945	13.5% $ 3,105	13.5% $ 3,645	13.5% $ 6,279	13.5% $ 1,942
$ 940,921	$ 318,202	$ 464,760	$ 412,690	$ 810,251	$ 662,037	$ 967,527
$ 163,412	$ 22,553	$ 19,146	$ 17,345	$ 32,170	$ 33,047	$ 34,729
$ 2,287,768	$ 315,740	$ 268,047	$ 242,832	$ 450,386	$ 462,660	$ 486,207
$ 1,634,120	$ 225,528	$ 191,462	$ 173,451	$ 321,704	$ 330,471	$ 347,291
$ 3,647	$ 704	$ 411	$ 361	$ 669	$ 687	$ 722
$ 118,405	$ 17,928	$ 13,745	$ 12,360	$ 22,925	$ 23,549	$ 24,748
$ 145,554	$ 19,786	$ 17,078	$ 15,489	$ 28,728	$ 29,511	$ 31,013
$ 267,606	$ 38,418	$ 31,234	$ 28,210	$ 52,322	$ 53,748	$ 56,483
$ 230,966	$ -	$ 7,000	$ 46,800	$ 43,439	$ 53,512	$ 59,053
$ 325,231	$ 37,215	$ 39,210	$ 46,921	$ 51,246	$ 68,834	$ 73,437
$ 34,601	-$ 7,261	$ 2,577	$ 13,137	$ 8,145	$ 7,540	$ 11,977
$ 858,404	$ 68,373	$ 80,021	$ 135,068	$ 155,153	$ 183,634	$ 200,950

2010A to 2018E Total	EB-2012-0033	EB-2013-0124	EB-2014-0068	EB-2015-0065	EB-2016-0002	EB-2017-0024
$ 230,966	$ -	$ 7,000	$ 46,800	$ 43,439	$ 53,512	$ 59,053
$ 627,438	$ 68,373	$ 73,021	$ 88,268	$ 111,713	$ 130,122	$ 141,897
6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%
$ 37,646	$ 4,102	$ 4,381	$ 5,296	$ 6,703	$ 7,807	$ 8,514
$ 268,612	$ 4,102	$ 11,381	$ 52,096	$ 50,142	$ 61,319	$ 67,567
$ 589,792	$ 64,270	$ 68,640	$ 82,972	$ 105,010	$ 122,314	$ 133,384
$ 49,149	$ 5,356	$ 5,720	$ 6,914	$ 8,751	$ 10,193	$ 11,115

E = A-B-C-D-E-F-G		E		F = D + E	
True-Up Variance		**2019 FORECAST**		**2019 Incl. True-up**	
	-$ 55,844		$ 904,578		$ 848,734
$ 113,066		$ 1,313		$ 114,379	
13.5%	$ 15,264	13.5%	$ 177	13.5%	$ 15,441
	-$ 40,580		$ 904,755		$ 864,175
	$ 4,421	4%	$ 36,190		$ 40,611
	$ 61,897	56%	$ 506,663		$ 568,560
	$ 44,212	40%	$ 361,902		$ 406,114
	$ 92	2.08%	$ 753		$ 845
	$ 3,151	5.09%	$ 25,789		$ 28,940
	$ 3,948	8.93%	$ 32,318		$ 36,266
	$ 7,191		$ 58,860		$ 66,050
	$ 21,162		$ 1,313		$ 22,475
	$ 8,368		$ 79,579		$ 87,947
	-$ 1,514		$ 11,055		$ 9,541
	$ 35,206		$ 150,807		$ 186,013

True-Up Variance	2019 FORECAST	2019 Incl. True-up
$ 21,162	$ 1,313	$ 22,475
$ 14,045	$ 149,493	$ 163,538
6.00%	6.00%	6.00%
$ 843	$ 8,970	$ 9,812
$ 22,004	$ 10,283	$ 32,287
$ 13,202	$ 140,524	$ 153,726
$ 1,100	$ 11,710	$ 12,810

Green Energy Fixed Asset Continuity Schedule

	COST				ACCUMULATED DEPRECIATION			NBV					
	Opening	Additions	Closing		Opening	Additions	Closing	Opening	Additions	Closing			
2010 (CGAAP)													
Green Energy - FIT/Micro	-	22,986.94	22,986.94		-	(766.23)	(766.23)	-	22,220.71	22,220.71			
CIP - Green Energy - FIT/Micro	-	38,138.46	38,138.46		-	-	-	-	38,138.46	38,138.46			
CIP AFUDC Green Energy	(0.00)	171.17	171.17		-	-	-	(0.00)	171.17	171.17			
TOTAL	**(0.00)**	**61,296.57**	**61,296.57**		**0.00**	**(766.23)**	**(766.23)**	**(0.00)**	**60,530.34**	**60,530.34**			
	COST				**ACCUM DEPRECIATION**			**NBV**					
	Opening	**Additions**	**Closing**		**Opening**	**Additions**	**Closing**	**Opening**	**Additions**	**Closing**			
2011 Actual													
Green Energy - FIT/Micro	22,986.94	88,314.49	111,301.43	2,939.21	(766.23)	(4,476.28)	(5,242.51)	22,220.71	83,838.21	106,058.92			
IFRS adjustment	(766.23)		(766.23)	1,595.01	766.23		766.23	-	-	-			
CIP - Green Energy - FIT/Micro	38,138.46	109,236.68	147,375.14		-	-	-	38,138.46	109,236.68	147,375.14			
CIP AFUDC Green Energy	171.17	(138.14)	33.03		-	-	-	171.17	(138.14)	33.03			
TOTAL	**60,530.34**	**197,413.03**	**257,943.37**		**-**	**(4,476.28)**	**(4,476.28)**	**60,530.34**	**192,936.75**	**253,467.09**			
	COST				**ACCUM DEPRECIATION**			**NBV**					
	Opening	**Additions**	**Closing**		**Opening**	**Additions**	**Closing**	**Opening**	**Additions**	**Closing**			
2012 Actual													
Green Energy - FIT/Micro	110,535.20	173,210.96	283,746.16	5,612.03	(4,476.28)	(13,193.79)	(17,670.07)	106,058.92	160,017.17	266,076.09			
CIP - Green Energy - FIT/Micro	147,375.14	36,781.00	184,156.14	7,420.15	-		-	147,375.14	36,781.00	184,156.14			
CIP AFUDC Green Energy	33.03	(33.03)	(0.00)		-		-	33.03	(33.03)	(0.00)			
Def Rev -FIT MicroFIT	-	(4,850.00)	(4,850.00)		-	161.67	161.67	-	(4,688.33)	(4,688.33)			
CIP Def Rev -FIT MicroFIT	-	(64,880.00)	(64,880.00)		-		-	-	(64,880.00)	(64,880.00)			
TOTAL	**257,943.37**	**140,228.93**	**398,172.30**		**(4,476.28)**	**(13,032.12)**	**(17,508.40)**	**253,467.09**	**127,196.81**	**380,663.90**			
	COST				**ACCUM DEPRECIATION**			**NBV**					
	Opening	**YTD Additions**	**Closing**		**Opening**	**YTD Additions**	**Closing**	**Opening**	**YTD Additions**	**Closing**			
2013 Actual													
Green Energy - FIT/Micro	283,746.16	241,194.34	524,940.50	5,541.48	(17,670.07)	(27,007.30)	(44,677.37)	266,076.09	214,187.04	480,263.13			
CIP - Green Energy - FIT/Micro	184,156.14	24,029.68	208,185.82	18,644.21	-		-	184,156.14	24,029.68	208,185.82			
CIP AFUDC Green Energy	(0.00)	61.17	61.17		-		-	(0.00)	61.17	61.17			
Def Rev -FIT MicroFIT	(4,850.00)	(74,950.00)	(79,800.00)		161.67	2,821.66	2,983.33	(4,688.33)	(72,128.34)	(76,816.67)			
CIP Def Rev -FIT MicroFIT	(64,880.00)	(81,057.10)	(145,937.10)		-		-	(64,880.00)	(81,057.10)	(145,937.10)			
TOTAL	**398,172.30**	**109,278.09**	**507,450.39**		**(17,508.40)**	**(24,185.64)**	**(41,694.04)**	**380,663.90**	**85,092.45**	**465,756.35**			
	COST				**ACCUMULATED DEPRECIATION**			**NBV**					
	Opening	**YTD Additions**	**Closing**		**Opening**	**YTD Additions**	**Closing**	**Opening**	**YTD Additions**	**Closing**			
2014 Actual													
Green Energy - FIT/Micro	524,940.50	274,892.00	799,832.50	4,687.40	(44,677.37)	(44,210.00)	(88,887.37)	480,263.13	230,682.00	710,945.13			
CIP - Green Energy - FIT/Micro	208,185.82	43,892.00	252,077.82	29,727.17	-		-	208,185.82	43,892.00	252,077.82			
CIP AFUDC Green Energy	61.17	63.00	124.17		-		-	61.17	63.00	124.17			
Def Rev -FIT MicroFIT	(79,800.00)	(134,270.00)	(214,070.00)		2,983.33	9,796.00	12,779.33	(76,816.67)	(124,474.00)	(201,290.67)			
CIP Def Rev -FIT MicroFIT	(145,937.10)	(97,552.00)	(243,489.10)		-		-	(145,937.10)	(97,552.00)	(243,489.10)			
TOTAL	**507,450.39**	**87,025.00**	**594,475.39**		**(41,694.04)**	**(34,414.00)**	**(76,108.04)**	**465,756.35**	**52,611.00**	**518,367.35**			
	COST				**ACCUM DEPRECIATION**			**NBV**					
	Opening	**Additions**	**Closing**		**Opening**	**Additions**	**Closing**	**Opening**	**Additions**	**Closing**			
2015 Actual													
Green Energy - FIT/Micro	799,832.50	310,319.60	1,110,152.10	5,915.99	(88,887.37)	(63,717.24)	(152,604.61)	710,945.13	246,602.36	957,547.49			
CIP - Green Energy - FIT/Micro	252,077.82	(113,046.75)	139,031.07	39,101.97	-	-	-	252,077.82	(113,046.75)	139,031.07			
CIP AFUDC Green Energy	124.17	62.04	186.21		-	-	-	124.17	62.04	186.21			
Def Rev -FIT MicroFIT	(214,070.00)	(132,840.00)	(346,910.00)	45,017.95	12,779.33	18,699.33	31,478.66	(201,290.67)	(114,140.67)	(315,431.34)			
CIP Def Rev -FIT MicroFIT	(243,489.10)	173,077.16	(70,411.94)		-	-	-	(243,489.10)	173,077.16	(70,411.94)			
TOTAL	**594,475.39**	**237,572.05**	**832,047.44**		**(76,108.04)**	**(45,017.91)**	**(121,125.95)**	**518,367.35**	**192,554.14**	**710,921.49**			
	COST				**ACCUM DEPRECIATION**			**NBV**					
	Opening	**Additions**	**Closing**		**Opening**	**Additions**	**Closing**	**Opening**	**Additions**	**Closing**			
2016 Forecast													
Green Energy - FIT/Micro	1,110,152.10	182,362.59	1,292,514.69		(152,604.61)	(80,139.97)	(232,744.58)	957,547.49	102,222.62	1,059,770.11			
CIP - Green Energy - FIT/Micro	139,031.07	(13,211.19)	125,819.88		-	-	-	139,031.07	(13,211.19)	125,819.88			
CIP AFUDC Green Energy	186.21	64.77	250.98		-	-	-	186.21	64.77	250.98			
Def Rev -FIT MicroFIT	(346,910.00)	(7,269.91)	(354,179.91)		31,478.66	23,369.66	54,848.32	(315,431.34)	16,099.75	(299,331.59)			
CIP Def Rev -FIT MicroFIT	(70,411.94)	-	(70,411.94)		-	-	-	(70,411.94)	-	(70,411.94)			
TOTAL	**832,047.44**	**161,946.26**	**993,993.70**		**(121,125.95)**	**(56,770.31)**	**(177,896.26)**	**710,921.49**	**105,175.95**	**816,097.44**			
	COST				**ACCUM DEPRECIATION**			**NBV**					
	Opening	**Additions**	**Closing**		**Opening**	**Additions**	**Closing**	**Opening**	**Additions**	**Closing**			
2017 Actual													
Green Energy - FIT/Micro	1,292,514.69	233,867.99	1,526,382.68		(232,744.58)	(94,014.33)	(326,758.91)	1,059,770.11	139,853.66	1,199,623.77	$	51,196	0.218907812
CIP - Green Energy - FIT/Micro	125,819.88	28,024.91	153,844.79		-	-	-	125,819.88	28,024.91	153,844.79			
CIP AFUDC Green Energy	250.98	(250.62)	0.36		-	-	-	250.98	(250.62)	0.36			
Def Rev -FIT MicroFIT	(354,179.91)	(47,370.00)	(401,549.91)		54,848.32	25,190.99	80,039.31	(299,331.59)	(22,179.01)	(321,510.60)			
CIP Def Rev -FIT MicroFIT	(70,411.94)	36,370.00	(34,041.94)		-	-	-	(70,411.94)	36,370.00	(34,041.94)			
TOTAL	**993,993.70**	**250,642.28**	**1,244,635.98**		**(177,896.26)**	**(68,823.34)**	**(246,719.60)**	**816,097.44**	**181,818.94**	**997,916.38**			
	COST				**ACCUM DEPRECIATION**			**NBV**					
	Opening	**Additions**	**Closing**		**Opening**	**Additions**	**Closing**	**Opening**	**Additions**	**Closing**			
2018 Forecast													
Green Energy - FIT/Micro	1,526,382.68	141,000.00	1,667,382.68		(326,758.91)	(101,357.64)	(428,116.55)	1,199,623.77	39,642.36	1,239,266.13		30,866.00	0.218907812
CIP - Green Energy - FIT/Micro	153,844.79	-	153,844.79		-	-	-	153,844.79	-	153,844.79			
CIP AFUDC Green Energy	0.36	-	0.36		-	-	-	0.36	-	0.36			
Def Rev -FIT MicroFIT	(401,549.91)	-	(401,549.91)		80,039.31	23,611.99	103,651.30	(321,510.60)	23,611.99	(297,898.61)			
CIP Def Rev -FIT MicroFIT	(34,041.94)	-	(34,041.94)		-	-	-	(34,041.94)	-	(34,041.94)			
TOTAL	**1,244,635.98**	**141,000.00**	**1,385,635.98**		**(246,719.60)**	**(77,745.64)**	**(324,465.24)**	**997,916.38**	**63,254.36**	**1,061,170.74**			
	COST				**ACCUM DEPRECIATION**			**NBV**					
	Opening	**Additions**	**Closing**		**Opening**	**Additions**	**Closing**	**Opening**	**Additions**	**Closing**			
2019 Forecast													
Green Energy - FIT/Micro	1,667,382.68	6,000.00	1,673,382.68		(428,116.55)	(103,190.97)	(531,307.52)	1,239,266.13	(97,190.97)	1,142,075.16		1,313.45	0.218907812
CIP - Green Energy - FIT/Micro	153,844.79	-	153,844.79		-	-	-	153,844.79	-	153,844.79			
CIP AFUDC Green Energy	0.36	-	0.36		-	-	-	0.36	-	0.36			
Def Rev -FIT MicroFIT	(401,549.91)	-	(401,549.91)		103,651.30	23,611.99	127,263.30	(297,898.61)	23,611.99	(274,286.61)			
CIP Def Rev -FIT MicroFIT	(34,041.94)	-	(34,041.94)		-	-	-	(34,041.94)	-	(34,041.94)			
TOTAL	**1,385,635.98**	**6,000.00**	**1,391,635.98**		**(324,465.24)**	**(79,578.98)**	**(404,044.22)**	**1,061,170.74**	**(73,578.98)**	**987,591.76**			

	2010	**2011**	**2012**	2013	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**Total**
Net Capital Expenditures	61,296.57	197,413.03	140,228.93	109,278.09	87,025.00	237,572.05	161,946.26	250,642.28	141,000.00	6,000.00	1,392,402.21
Depreciation Expense	(766.23)	(4,476.28)	(13,032.12)	(24,185.64)	(34,414.00)	(45,017.91)	(56,770.31)	(68,823.34)	(77,745.64)	(79,578.98)	(404,810.45)

	2010	**2011**	**2011 IFRS Adjustment**	2012	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**
Cummulative Cost including CIP	61,297	258,710	(766)	398,172	507,450	594,475	832,047	993,994	1,244,636	1,385,636	1,391,636
Less Cummulative CIP	(38,310)	(147,408)	0	(119,276)	(62,310)	(8,713)	(68,805)	(55,659)	(119,803)	(119,803)	(119,803)
Cummulative Accumulated Depreciatio	(766)	(5,243)	766	(17,508)	(41,694)	(76,108)	(121,126)	(177,896)	(246,720)	(324,465)	(404,044)

	Average 2010	**Average 2011**		Average 2012	**Average 2013**	**Average 2014**	**Average 2015**	**Average 2016**	**Average 2017**	**Average 2018**	**Average 2019**
	30,648	159,620		328,058	452,811	550,963	713,261	913,021	1,119,315	1,315,136	1,388,636
	(19,155)	(92,859)		(133,342)	(90,793)	(35,511)	(38,759)	(62,232)	(87,731)	(119,803)	(119,803)
	(383)	(2,621)		(10,992)	(29,601)	(58,901)	(98,617)	(149,511)	(212,308)	(285,592)	(364,255)
	11,110	**64,140**		183,723	**332,417**	**456,550**	**575,885**	**701,277**	**819,276**	**909,740**	**904,578**

Notes:

1. Data obtained from the following line items in the fixed asset continuity schedule :

Green Energy - FIT/Micro
CIP - Green Energy - FIT/Micro
CIP AFUDC Green Energy
Def Rev -FIT MicroFIT
CIP Def Rev -FIT MicroFIT

CCA Calculation

		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Opening UCC		$ -	$ 58,845	$ 243,654	$ 358,781	$ 434,986	$ 483,731	$ 673,101	$ 774,722	$ 953,361	$ 1,012,452
Capital Additions		$ 61,297	$ 197,413	$ 140,229	$ 109,278	$ 87,025	$ 237,572	$ 161,946	$ 250,642	$ 141,000	$ 6,000
UCC Before Half Year Rule		$ 61,297	$ 256,258	$ 383,883	$ 468,059	$ 522,011	$ 721,303	$ 835,048	$ 1,025,364	$ 1,094,361	$ 1,018,452
Half Year Rule (1/2 Additions - Disposals)		$ 30,648	$ 98,707	$ 70,114	$ 54,639	$ 43,513	$ 118,786	$ 80,973	$ 125,321	$ 70,500	$ 3,000
Reduced UCC		$ 30,648	$ 157,551	$ 313,768	$ 413,420	$ 478,498	$ 602,517	$ 754,075	$ 900,043	$ 1,023,861	$ 1,015,452
CCA Rate Class	**47**	**47**	**47**	**47**	**47**	**47**	**47**	**47**	**47**	**47**	**47**
CCA Rate	**8%**	**8%**	**8%**	**8%**	**8%**	**8%**	**8%**	**8%**	**8%**	**8%**	**8%**
CCA		$ 2,452	$ 12,604	$ 25,101	$ 33,074	$ 38,280	$ 48,201	$ 60,326	$ 72,003	$ 81,909	$ 81,236
Closing UCC		$ 58,845	$ 243,654	$ 358,781	$ 434,986	$ 483,731	$ 673,101	$ 774,722	$ 953,361	$ 1,012,452	$ 937,216

EB-2018-0016

PILs Calculation

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
INCOME TAX										
Net Income	$ 381	$ 2,199	$ 6,298	$ 11,989	$ 16,421	$ 20,781	$ 25,330	$ 29,511	$ 32,645	$ 32,318
Amortization	$ 766	$ 4,476	$ 13,032	$ 24,186	$ 34,414	$ 45,018	$ 56,770	$ 68,823	$ 77,746	$ 79,579
CCA	-$ 2,452	-$ 12,604	-$ 25,101	-$ 33,074	-$ 38,280	-$ 48,201	-$ 60,326	-$ 72,003	-$ 81,909	-$ 81,236
Change in taxable income	-$ 1,305	-$ 5,929	-$ 5,771	$ 3,101	$ 12,555	$ 17,598	$ 21,774	$ 26,331	$ 28,482	$ 30,661
Tax Rate	31.00%	28.25%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%
Income Taxes Payable	-$ 404	-$ 1,675	-$ 1,529	$ 822	$ 3,327	$ 4,663	$ 5,770	$ 6,978	$ 7,548	$ 8,125

Gross Up

	PILs Payable	PILs Payable	PILs Payable	PILs Payable	PILs Payable	PILs Payable	PILs Payable	PILs Payable	PILs Payable	PILs Payable
Change in Income Taxes Payable	-$ 404	-$ 1,675	-$ 1,529	$ 822	$ 3,327	$ 4,663	$ 5,770	$ 6,978	$ 7,548	$ 8,125
Change in OCT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PIL's	-$ 404	-$ 1,675	-$ 1,529	$ 822	$ 3,327	$ 4,663	$ 5,770	$ 6,978	$ 7,548	$ 8,125

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	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	Grossed Up PILs
Change in Income Taxes Payable	-$ 586	-$ 2,334	-$ 2,081	$ 1,118	$ 4,527	$ 6,345	$ 7,850	$ 9,494	$ 10,269	$ 11,055
Change in OCT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PIL's	**-$ 586**	**-$ 2,334**	**-$ 2,081**	**$ 1,118**	**$ 4,527**	**$ 6,345**	**$ 7,850**	**$ 9,494**	**$ 10,269**	**$ 11,055**

ATTACHMENT 42
LOST REVENUE ADJUSTMENT MECHANISM VARIANCE ACCOUNT WORK FORM
ENERSOURCE RZ

Company	Business Unit	Object Account	Subsidiary	Account Description
00010	10	135166	CARRYCHG	LRAM VA CFF-Consv.First Frmwrk
00010	10	135166	GS50-499	LRAM VA CFF-Consv.First Frmwrk
00010	10	135166	GS500-49	LRAM VA CFF-Consv.First Frmwrk
00010	10	135166	GSD50	LRAM VA CFF-Consv.First Frmwrk
00010	10	135166	LU	LRAM VA CFF-Consv.First Frmwrk
00010	10	135166	RES	LRAM VA CFF-Consv.First Frmwrk
00010	10	135166	SL	LRAM VA CFF-Consv.First Frmwrk
00010	10	135167	CARRYCHG	LRAM Variance Account
00010	10	135167	GS50-499	LRAM Variance Account
00010	10	135167	GS500-49	LRAM Variance Account
00010	10	135167	GSD50	LRAM Variance Account
00010	10	135167	LU	LRAM Variance Account
00010	10	135167	RES	LRAM Variance Account
00010	10	135167	SL	LRAM Variance Account
	Total 10			
Total 00010				
Grand Total				

Enersource Rate Zone LRAMVA Year End Entry

Amount ($)	**Current GL**	**Full Year Rule**	**Half Year Rule**	**djustment to 1568 based on full year**
Residential	(124,994.47)	211,531.23	(67,464.87)	336,525.70
GS<50	454,759.55	120,591.49	444,725.14	(334,168.06)
GS50-499	4,532,957.66	1,089,322.20	4,843,673.74	(3,443,635.46)
GS500-4999	1,196,380.03	335,139.26	1,310,237.32	(861,240.77)
Large User	324,635.05	108,392.23	352,353.69	(216,242.82)
Streetlight	(1,198,891.27)	(151,047.41)	(151,047.41)	1,047,843.86
Carrying Charges	142,220.42	59,930.38	138,982.38	(82,290.04)
Total	**5,327,066.97**	**1,773,859.38**	**6,871,459.98**	**(3,553,207.59)**

Uniform System of Accounts	Cumulative 11 Actual 2017
1568	26,707.44
1568	1,906,210.80
1568	582,331.82
1568	93,016.88
1568	175,383.51
1568	200,352.74
1568	58,269.37
1568	115,512.98
1568	2,626,746.86
1568	614,048.21
1568	361,742.67
1568	149,251.54
1568	(325,347.21)
1568	(1,257,160.64)
	5,327,066.97
	5,327,066.97
	5,327,066.97

) Distribution Revenue based on Half year

57,529.60
(10,034.41)
310,716.08
113,857.29
27,718.64
1,047,843.86
(3,238.04)
1,544,393.01

Ontario Energy Board

Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) Work Form

Version 2.0 (2017)

Generic LRAMVA Work Forms

Worksheet Name	Description
1. LRAMVA Summary	**Tables 1-a and 1-b** provide a summary of the LRAMVA balances and carrying charges associated with the LRAMVA disposition. The balances are populated from entries into other tabs throughout this work form.
1-a. Summary of Changes	**Tables X-1 and X-2** include a template for LDCs to summarize changes to the LRAMVA work form.
2. LRAMVA Threshold	**Tables 2-a, 2-b and 2-c** include the LRAMVA thresholds and allocations by rate class.
3. Distribution Rates	**Tables 3-a and 3-b** include the distribution rates that are used to calculate lost revenues.
4. 2011-2014 LRAM	**Tables 4-a, 4-b, 4-c and 4-d** include the template 2011-2014 LRAMVA work forms.
5. 2015-2020 LRAM	**Tables 5-a, 5-b, 5-c and 5-d** include the template 2015-2020 LRAMVA work forms.
6. Carrying Charges	**Table 6-b** includes the variance on carrying charges related to the LRAMVA disposition.
7. Persistence Data	**Tables 7-a to 7-j** should be populated with CDM savings persistence data provided to LDCs from the IESO.

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LRAMVA Work Form: Inputs-Outputs Schematic

Version 2.0 (2017)

General Note on the LRAMVA Model

The LRAMVA work form has been created in a generic manner that should allow for use by all LDCs. There are some elements that are not applicable at this time (i.e., 2017, 2018, 2019 and 2020 related components). These have been included (but hidden in the work form) in an effort to avoid major updates in the future. This LRAMVA work form consolidates information that LDCs are already required to file with the OEB. The model has been created to provide LDCs with a consistent format to display CDM impacts, the forecast savings component and, ultimately, any variance between actual CDM savings and forecast CDM savings. The majority of the information required in the LRAMVA work form will be provided to LDCs from the IESO as part of the Final CDM Results each year. Please contact the IESO for any reports that may be required to complete this LRAMVA work form.

The LRAMVA work form is unlocked to enable LDCs to tailor it to their own unique circumstances.

LRAMVA ($) = (Actual Net CDM Savings - Forecast CDM Savings) x Distribution Volumetric Rate + Carrying Charges from LRAMVA balance

Legend — Drop Down List (Blue)

Important Checklist Items

Yes	Highlighted changes to this work form, if any, and provided rationale for the change in Tab 1-a
Yes	Included any necessary assumptions in the "Notes" section of the work form tables and summarized important assumptions in Tab 1-a
Yes	Included the basis and source of the LRAMVA threshold to determine forecast CDM savings in Tab 2
Yes	Included initiative-level persistence savings information as provided by the IESO directly in this work form (pasted in Tabs 7-a, 7-b, etc.)
Yes	Applied IESO verified savings adjustments back to year of program implementation in Tabs 4 and 5
Yes	Included documentation or data substantiating program savings that are included in the claim, but not provided in the IESO's verified results reports, in a new tab in this work form (streetlighting projects, etc.)
	Included documentation or analysis of how rate class allocations were determined each year in a new tab in this work form

Work Form Calculations	Source of Calculation	Inputs (Tables to Complete)	Source of Data Inputs	Outputs of Data (Auto-Populated)
Actual Incremental CDM Savings by Initiative	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns D & O)	IESO Verified Persistence Results Reports	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
+/- IESO Verified Savings Adjustments	Tab "4. 2011-2014 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns D-M & Columns O-X)	IESO Verified Persistence Results Reports	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
+ Initiative Level Savings Persistence	Tab "4. 2011-2014 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns E-M & Columns P-X)	IESO Verified Persistence Results Reports	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
x Allocation % to Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AJ)	LDC	
Actual Lost Revenues (kWh and kW) by Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"			
- Forecast Lost Revenues (kWh and kW) by Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tab "2. LRAMVA Threshold" Tables 2-a, 2-b and 2-c		
x Distribution Rate by Rate Class	Tab "3. Distribution Rates"	Table 3	LDC's Approved Tariff Sheets	
LRAMVA ($) by Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"			Tables 1-a and 1-b
+ Carrying Charges ($) by Rate Class	Tabs "1. LRAMVA Summary" and "6. Carrying Charges"	Table 6		Table 6-a
Total LRAMVA ($) by Rate Class	Tab "1. LRAMVA Summary"			

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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-2013-0024
Application of Previous LRAMVA Claim	2013 LRAM Application
Period of LRAMVA Claimed in Previous Application	2005-2010
Amount of LRAMVA Claimed in Previous Application	$ 1,753,174.00

B. Current LRAMVA Application

Current LRAMVA Application (EB#)		EB-20XX-XXXX
Application of Current LRAMVA Claim		2018 COS/IRM Application
Period of New LRAMVA in this Application		2011-2015
Actual Lost Revenues ($)	A	**$ 3,434,823**
Forecast Lost Revenues ($)	B	**$ 1,720,894**
Carrying Charges ($)	C	**$ 59,930**
LRAMVA ($) for Account 1568	A-B+C	**$ 1,773,859**

C. Documentation of Changes

Original Amount	
Amount for Final Disposition	

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	$211,531	$7,397	$218,928
GS<50 kW	kWh	$120,591	$4,217	$124,808
General Service 50 to 499 kW	kW	$1,089,322	$38,090	$1,127,412
General Service 500 to 4,999 kW	kW	$335,139	$11,719	$346,858
Large Use	kW	$108,392	$3,790	$112,182
Street Lighting	kW	-$151,047	-$5,282	-$156,329
		$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		**$1,713,929**	**$59,930**	**$1,773,859**

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									Total
		kWh	kWh	kW	kW	kW	kW									
2011 Actuals	☐	$0.00	$0.00	$0.00	$0.00	$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	$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	$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	$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	$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	$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	$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	$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	$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	$0.00	$0.00	$0.00	$0.00
Amount Cleared																
2016 Actuals		$614,166.70	$602,726.87	$1,173,980.89	$371,702.78	$151,641.54	$520,604.10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$3,434,822.88
2016 Forecast		($402,635.47)	($482,135.37)	($84,658.69)	($36,563.52)	($43,249.31)	($671,651.51)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($1,720,893.88)
Amount Cleared																
2017 Actuals		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2017 Forecast		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
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	$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	$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	$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	$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	$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	$0.00	$0.00	$0.00	$0.00
Amount Cleared																
Carrying Charges		$7,396.54	$4,216.68	$38,089.97	$11,718.70	$3,790.11	($5,281.62)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$59,930.38
Total LRAMVA Balance		**$218,928**	**$124,808**	**$1,127,412**	**$346,858**	**$112,182**	**-$156,329**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,773,859**

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	$ -	$ -	$ -	$ -	$ -	$ 416,108.77	$ -	$ -	$ -	$ -	$ 416,108.77
2012		$ -	$ -	$ -	$ -	$ 364,216.53	$ -	$ -	$ -	$ -	$ 364,216.53
2013			$ -	$ -	$ -	$ 392,371.38	$ -	$ -	$ -	$ -	$ 392,371.38
2014				$ -	$ -	$ 510,031.98	$ -	$ -	$ -	$ -	$ 510,031.98
2015					$ -	$ 699,911.69	$ -	$ -	$ -	$ -	$ 699,911.69
2016						$ 531,578.43	$ -	$ -	$ -	$ -	$ 531,578.43
2017							$ -	$ -	$ -	$ -	$ -
2018								$ -	$ -	$ -	$ -
2019									$ -	$ -	$ -
2020										$ -	$ -
Actual Lost Revenues	$ -	$ -	$ -	$ -	$ -	$ 2,914,218.78	$ -	$ -	$ -	$ -	$ 2,914,218.78
Forecast Lost Revenues	$ -	$ -	$ -	$ -	$ -	$ 1,720,893.88	$ -	$ -	$ -	$ -	$ 1,720,893.88
Carrying Charges	$ -	$ -	$ -	$ -	$ -	$ 8,641.06	$ 29,208.21	$ 59,930.38	$ 59,930.38	$ 59,930.38	$ 217,640.42
Total	$ -	$ -	$ -	$ -	$ -	$ 1,201,965.96	$ 29,208.21	$ 59,930.38	$ 59,930.38	$ 59,930.38	$ 1,410,965.32

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 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	1. LRAMVA Summary	I59,I62,I65,I68,I71	2013-2017 Actual Street Lighting (SL) Amount	The SL amount is calculated using the net Peak Demand kW reduction on tab "8. Street Lighting" and m
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
etc.				

Table X-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				
2				
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								
		kWh	kWh	kW	kW	kW	kW								
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								
		kWh	kWh	kW	kW	kW	kW								
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								
		kWh	kWh	kW	kW	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	2013	35,842,920	39,519,293	19,284	16,135	15,417	61,001	0	0	0	0	0	0	0	0
2014	2013	35,842,920	39,519,293	19,284	16,135	15,417	61,001	0	0	0	0	0	0	0	0
2015	2013	35,842,920	39,519,293	19,284	16,135	15,417	61,001	0	0	0	0	0	0	0	0
2016	2013	35,842,920	39,519,293	19,284	16,135	15,417	61,001	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. 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	update	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*	*4*	*0*				
Period 2 (# months)		*8*	*8*	*8*	*11*	*12*	*12*	*8*	*12*	*12*	*12*	*12*	*12*
Residential								$ 0.0102					
Rate rider for tax sharing													
Rate rider for foregone revenue	kWh												
Changes in Transformer Allowance													
Adjusted rate								$ 0.0102		$ -	$ -	$ -	
Calendar year equivalent								**$ 0.0112**		**$ -**	**$ -**	**$ -**	
GS<50 kW								$ 0.0121					
Rate rider for tax sharing													
Rate rider for foregone revenue	kWh							$ 0.0002					
Changes in Transformer Allowance													
Adjusted rate								$ 0.0123		$ -	$ -	$ -	
Calendar year equivalent								**$ 0.0122**		**$ -**	**$ -**	**$ -**	
General Service 50 to 499 kW								$ 4.3959					
Rate rider for tax sharing								$ 0.0017					
Rate rider for foregone revenue	kW							$ 0.0317					
Changes in Transformer Allowance													
Adjusted rate								$ 4.4293		$ -	$ -	$ -	
Calendar year equivalent								**$ 4.3901**		**$ -**	**$ -**	**$ -**	
General Service 500 to 4,999 kW								$ 2.2620					
Rate rider for tax sharing								$ 0.0015					
Rate rider for foregone revenue	kW							$ 0.0263					
Changes in Transformer Allowance													
Adjusted rate								$ 2.2898		$ -	$ -	$ -	
Calendar year equivalent								**$ 2.2661**		**$ -**	**$ -**	**$ -**	
Large Use								$ 2.8076					
Rate rider for tax sharing								$ 0.0012					
Rate rider for foregone revenue	kW							$ 0.0222					
Changes in Transformer Allowance													
Adjusted rate								$ 2.8310		$ -	$ -	$ -	
Calendar year equivalent								**$ 2.8053**		**$ -**	**$ -**	**$ -**	
Street Lighting								$ 10.9833					
Rate rider for tax sharing								$ 0.0052					
Rate rider for foregone revenue	kW							$ 0.1407					
Changes in Transformer Allowance													
Adjusted rate								$ 11.1292		$ -	$ -	$ -	
Calendar year equivalent								**$ 11.0105**		**$ -**	**$ -**	**$ -**	

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								
	kWh	kWh	kW	kW	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	$0.0112	$0.0122	$4.3901	$2.2661	$2.8053	$11.0105	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
2017	$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
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

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 in these tables from the LDC's Persistence Reports provided by the IESO (which are pasted following Tab 7. Persistence Data, tabs "7-a. 2011, 7-b. 2012, ... 7-j. 2020") to complete the tables below.

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 can be claimed as past 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 change.

4. LDC are requested to input the applicable rate class allocation percentages indicating the customer's share of consumption to allocate actual savings to the rate classes. The generic template currently includes the same allocation percentage for programs and its savings adjustments. If a different allocation is proposed for savings adjustments, please highlight the change and provide rationale in Tab 1-a. Please also be advised that the same rate classes (of up to 14) are carried over from the Summary Tab 1. LDCs would need to manually update the tables and formulas below if more rate classes are needed.

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. LDCs are requested to provide assumptions about the years that persistence is captured in the load forecast calculation in the "Notes" section below each table. If this is not the case, the LDC is requested to clearly articulate the rationale for including the persistence of future savings beyond the re-basing year in Tab 1-a.

Tables

Table 4-a. 2011 Lost Revenues Work Form

Go to Persistence Report

	Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)								
			2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	Consumer Program																						
1	Appliance Retirement	Verified	812,064	812,064	812,064	811,350	618,340	-	-	-	-	-		110	110	110	109	81	-	-	-	-	
	Adjustment to 2011 savings	True-up																					
2	Appliance Exchange	Verified	11,343	11,343	11,343	5,414	-	-	-	-	-	-		10	10	10	3		-	-	-	-	
	Adjustment to 2011 savings	True-up																					
3	HVAC Incentives	Verified	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070		1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995
	Adjustment to 2011 savings	True-up	-592,333	-592,333	-592,333	-592,333	-592,333	-592,333	-592,333	-592,333	-592,333	-592,333		-327	-327	-327	-327	-327	-327	-327	-327	-327	-327
4	Conservation Instant Coupon Booklet	Verified	763,430	763,430	763,430	763,430	702,240	635,393	498,237	495,051	623,089	238,796		47	47	47	47	44	41	35	34	40	23
	Adjustment to 2011 savings	True-up	10,824	10,824	10,824	10,824	10,824	9,889	6,067	6,059	6,059	2,146		1	1	1	1	1	1	0	0	0	0
5	Bi-Annual Retailer Event	Verified	1,153,895	1,153,895	1,153,895	1,153,895	1,054,575	946,072	713,278	710,676	918,499	294,738		66	66	66	66	61	56	46	45	55	26
	Adjustment to 2011 savings	True-up	85,731	85,731	85,731	85,731	85,731	77,904	42,060	42,051	42,051	9,277		4	4	4	4	4	4	2	2	2	1
6	Retailer Co-op	Verified	87	87	87	87	87	87	49	49	49	12			0	0	0	0	0	0	0	0	0
	Adjustment to 2011 savings	True-up																					
7	Residential Demand Response	Verified	773											298					-	-	-	-	
	Adjustment to 2011 savings	True-up																					
8	Residential Demand Response (IHD)	Verified																					
	Adjustment to 2011 savings	True-up																					
9	Residential New Construction	Verified																					
	Adjustment to 2011 savings	True-up																					
	Business Program																						
10	Retrofit	Verified	12,075,272	12,075,272	12,075,272	12,075,272	12,075,272	12,075,272	12,075,272	12,075,272	9,675,568	9,675,568	12	2,236	2,236	2,236	2,236	2,236	2,236	2,236	2,236	1,733	1,733
	Adjustment to 2011 savings	True-up	1,702,657	1,702,657	1,702,657	1,702,657	1,702,657	1,530,308	1,276,471	756,134	726,513	726,513	12	464	464	464	464	464	419	348	182	175	175
11	Direct Install Lighting	Verified	8,483,296	8,481,220	8,234,295	7,110,797	7,110,797	7,065,244	1,115,244	1,109,301	1,109,301	1,109,301	12	3,359	3,359	3,274	2,887	2,887	2,867	415	407	407	407
	Adjustment to 2011 savings	True-up	124,183	124,183	123,614	103,162	103,162	102,817	11,875	11,875	11,875	11,875	12	53	53	53	44	44	44	4	4	4	4
12	Building Commissioning	Verified											3										
	Adjustment to 2011 savings	True-up											3										
13	New Construction	Verified											12										
	Adjustment to 2011 savings	True-up											12										
14	Energy Audit	Verified											12										
	Adjustment to 2011 savings	True-up	237,585	237,585	237,585	237,585	226,586	0	0	0	0	0	12	49	49	49	49	47	0	0	0	0	0
15	Small Commercial Demand Response	Verified																					
	Adjustment to 2011 savings	True-up																					
16	Small Commercial Demand Response (IHD)	Verified																					
	Adjustment to 2011 savings	True-up																					
17	Demand Response 3	Verified	70,271											1,800									
	Adjustment to 2011 savings	True-up																					
	Industrial Program																						
18	Process & System Upgrades	Verified											12										
	Adjustment to 2011 savings	True-up											12										
19	Monitoring & Targeting	Verified											12										
	Adjustment to 2011 savings	True-up											12										
20	Energy Manager	Verified											12										
	Adjustment to 2011 savings	True-up											12										
21	Retrofit	Verified	1,994,497	1,994,497	1,994,497	1,994,497	1,994,497	1,994,497	1,994,497	1,994,497	1,932,922	1,932,922	12	422	422	422	422	422	422	422	422	402	402
	Adjustment to 2011 savings	True-up											12										
22	Demand Response 3	Verified	189,961											3,236									
	Adjustment to 2011 savings	True-up																					
	Home Assistance Program																						
23	Home Assistance Program	Verified																					
	Adjustment to 2011 savings	True-up																					
	Aboriginal Program																						
24	Home Assistance Program	Verified																					
	Adjustment to 2011 savings	True-up																					
25	Direct Install Lighting	Verified											0										
	Adjustment to 2011 savings	True-up											0										
	Pre-2011 Programs completed in 2011																						
26	Electricity Retrofit Incentive Program	Verified	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	12	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148
	Adjustment to 2011 savings	True-up											12										
27	High Performance New Construction	Verified	828,974	828,974	828,974	828,974	828,974	828,974	828,974	828,974	828,974	828,974	12	161	161	161	161	161	161	161	161	161	161
	Adjustment to 2011 savings	True-up	93,683	93,683	93,683	93,683	93,683	93,683	93,683	93,683	93,683	93,683	12	90	90	90	90	90	90	90	90	90	90
28	Toronto Comprehensive	Verified											0										
	Adjustment to 2011 savings	True-up											0										
29	Multifamily Energy Efficiency Rebates	Verified	314	314	314	314	314	314	314	314	314	314	0		0	0	0	0	0	0	0	0	0
	Adjustment to 2011 savings	True-up											0										
30	LDC Custom Programs	Verified											0										
	Adjustment to 2011 savings	True-up											0										
	Other																						
31	Program Enabled Savings	Verified											0										
	Adjustment to 2011 savings	True-up											0										
32	Time of Use Savings	Verified											0										
	Adjustment to 2011 savings	True-up											0										
33	LDC Pilots	Verified											0										
	Adjustment to 2011 savings	True-up											0										
	Actual CDM Savings in 2011		**44,010,248**	**43,747,165**	**43,499,671**	**42,349,078**	**41,979,146**	**40,731,862**	**34,027,429**	**33,495,344**	**31,340,305**	**30,295,527**		**16,222**	**10,887**	**10,802**	**10,398**	**10,357**	**10,156**	**7,576**	**7,400**	**6,886**	**6,838**
	Forecast CDM Savings in 2011																						

	Program	Results Status	Rate Allocations for LRAMVA														Total
			Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting									
			kWh	kWh	kW	kW	kW	kW									
	Consumer Program																
1	Appliance Retirement	Verified	100.00%														100%
	Adjustment to 2011 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2	Appliance Exchange	Verified	100.00%														100%
	Adjustment to 2011 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
3	HVAC Incentives	Verified	100.00%														100%
	Adjustment to 2011 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
4	Conservation Instant Coupon Booklet	Verified	100.00%														100%
	Adjustment to 2011 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
5	Bi-Annual Retailer Event	Verified	100.00%														100%
	Adjustment to 2011 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
6	Retailer Co-op	Verified	100.00%														100%
	Adjustment to 2011 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
7	Residential Demand Response	Verified	100.00%														100%
	Adjustment to 2011 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
8	Residential Demand Response (IHD)	Verified															0%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
9	Residential New Construction	Verified															0%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Business Program																
10	Retrofit	Verified		19.00%	63.00%	26.00%	1.00%										109%
	Adjustment to 2011 savings	True-up	0.00%	19.00%	63.00%	26.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
11	Direct Install Lighting	Verified		100.00%													100%
	Adjustment to 2011 savings	True-up	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
12	Building Commissioning	Verified															0%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
13	New Construction	Verified															0%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
14	Energy Audit	Verified		11.00%	22.00%	67.00%											100%
	Adjustment to 2011 savings	True-up	0.00%	11.00%	22.00%	67.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
15	Small Commercial Demand Response	Verified															0%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
16	Small Commercial Demand Response (IHD)	Verified															0%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
17	Demand Response 3	Verified			50.00%	50.00%											100%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Industrial Program																
18	Process & System Upgrades	Verified															0%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
19	Monitoring & Targeting	Verified															0%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
20	Energy Manager	Verified															0%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
21	Retrofit	Verified		19.00%	56.00%	25.00%	1.00%										101%
	Adjustment to 2011 savings	True-up	0.00%	19.00%	56.00%	25.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
22	Demand Response 3	Verified				25.00%	75.00%										100%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	25.00%	75.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Home Assistance Program																
23	Home Assistance Program	Verified															0%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Aboriginal Program																
24	Home Assistance Program	Verified															0%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
25	Direct Install Lighting	Verified															0%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Pre-2011 Programs completed in 2011																
26	Electricity Retrofit Incentive Program	Verified		17.00%	56.00%	28.00%	0.00%										101%
	Adjustment to 2011 savings	True-up	0.00%	17.00%	56.00%	28.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
27	High Performance New Construction	Verified		17.00%	56.00%	28.00%	0.00%										101%
	Adjustment to 2011 savings	True-up	0.00%	17.00%	56.00%	28.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
28	Toronto Comprehensive	Verified															0%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
29	Multifamily Energy Efficiency Rebates	Verified		17.00%	56.00%	28.00%	0.00%										101%
	Adjustment to 2011 savings	True-up	0.00%	17.00%	56.00%	28.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
30	LDC Custom Programs	Verified															0%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other																
31	Program Enabled Savings	Verified															0%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
32	Time of Use Savings	Verified															0%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
33	LDC Pilots	Verified															0%
	Adjustment to 2011 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Actual CDM Savings in 2011		**5,859,884**	**13,886,723**	**39,498**	**18,145**	**375**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
	Forecast CDM Savings in 2011		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	

Distribution Rate in 2011	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$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**	**$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**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$ -**
LRAMVA in 2011															**$ -**
2011 Savings Persisting in 2012	5,859,110	13,884,648	39,495	18,142	375	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2013	5,859,110	13,637,153	39,495	18,142	375	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2014	5,852,467	12,493,203	39,495	18,142	375	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2015	5,493,533	12,491,993	39,489	18,124	375	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2016	4,691,083	12,388,424	39,027	17,610	369	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2017	4,281,428	6,299,254	38,493	17,389	361	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2018	4,275,623	6,194,447	37,240	16,872	341	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2019	4,611,484	5,721,176	33,245	15,219	277	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2020	3,566,706	5,721,176	33,245	15,219	277	0	0	0	0	0	0	0	0	0	

Note: LDC to make note of assumptions included above

Table 4-b. 2012 Lost Revenues Work Form

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#	Program	Results Status	Net Energy Savings (kWh) 2012	Net Energy Savings Persistence (kWh) 2013	2014	2015	2016	2017	2018	2019	2020	2021	Monthly Multiplier	Net Demand Savings (kW) 2012	Net Peak Demand Savings Persistence (kW) 2013	2014	2015	2016	2017	2018	2019	2020	2021
	Consumer Program																						
1	Appliance Retirement	Verified	430,436	430,436	430,436	429,719	276,505	0	0	0	0	0		59	59	59	58	36	0	0	0	0	0
	Adjustment to 2012 savings	True-up																					
2	Appliance Exchange	Verified	30,332	30,332	30,332	29,954	0	0	0	0	0	0		17	17	17	17	0	0	0	0	0	0
	Adjustment to 2012 savings	True-up																					
3	HVAC Incentives	Verified	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291		1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202
	Adjustment to 2012 savings	True-up	54,157	54,157	54,157	54,157	54,157	54,157	54,157	54,157	54,157	54,157		28	28	28	28	28	28	28	28	28	28
4	Conservation Instant Coupon Booklet	Verified	54,900	54,900	54,900	54,900	54,075	54,075	25,464	25,323	25,323	25,323		9	9	9	9	9	9	8	8	8	8
	Adjustment to 2012 savings	True-up																					
5	Bi-Annual Retailer Event	Verified	1,051,579	1,051,579	1,051,579	1,051,579	945,302	768,666	524,309	523,219	523,219	265,755		58	58	58	58	53	45	34	34	34	22
	Adjustment to 2012 savings	True-up																					
6	Retailer Co-op	Verified																					
	Adjustment to 2012 savings	True-up																					
7	Residential Demand Response	Verified	10,075											1,262									
	Adjustment to 2012 savings	True-up																					
8	Residential Demand Response (IHD)	Verified																					
	Adjustment to 2012 savings	True-up																					
9	Residential New Construction	Verified																					
	Adjustment to 2012 savings	True-up																					
	Business Program																						
10	Retrofit	Verified	24,392,637	24,288,756	24,131,826	23,935,785	23,935,785	23,037,690	22,455,199	22,455,199	21,163,793	13,698,164	12	4,531	4,500	4,452	4,392	4,392	4,118	4,020	4,020	3,671	2,361
	Adjustment to 2012 savings	True-up	4,785,698	4,785,698	4,767,246	4,659,434	4,659,434	4,459,711	4,435,037	4,435,037	4,203,209	4,039,902	12	772	772	766	732	732	669	665	665	599	566
11	Direct Install Lighting	Verified	4,890,220	4,890,180	4,693,914	3,837,661	3,837,428	853,403	853,403	845,458	845,458	845,458	12	1,340	1,340	1,294	1,093	1,093	241	241	233	233	233
	Adjustment to 2012 savings	True-up	16,743	16,743	16,743	5,278	5,278	505	505	505	505	505	12	4	4	4	1	1	0	0	0	0	0
12	Building Commissioning	Verified											3										
	Adjustment to 2012 savings	True-up											3										
13	New Construction	Verified	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001	12	97	97	97	97	97	97	97	97	97	97
	Adjustment to 2012 savings	True-up											12										
14	Energy Audit	Verified	931,521	931,521	931,521	931,521	0	0	0	0	0	0	12	192	192	192	192	0	0	0	0	0	0
	Adjustment to 2012 savings	True-up	301,583	301,583	301,583	301,583	0	0	0	0	0	0	12	62	62	62	62	0	0	0	0	0	0
15	Small Commercial Demand Response	Verified																					
	Adjustment to 2012 savings	True-up																					
16	Small Commercial Demand Response (IHD)	Verified																					
	Adjustment to 2012 savings	True-up																					
17	Demand Response 3	Verified	31,557											2,171									
	Adjustment to 2012 savings	True-up																					
	Industrial Program																						
18	Process & System Upgrades	Verified											12										
	Adjustment to 2012 savings	True-up											12										
19	Monitoring & Targeting	Verified											12										
	Adjustment to 2012 savings	True-up											12										
20	Energy Manager	Verified	17,296	17,296	17,296	17,296	17,296	17,296	17,296	17,296	17,296	17,296	12	3	3	3	3	3	3	3	3	3	3
	Adjustment to 2012 savings	True-up											12										
21	Retrofit	Verified											12										
	Adjustment to 2012 savings	True-up											12										
22	Demand Response 3	Verified	88,449											3,670									
	Adjustment to 2012 savings	True-up																					
	Home Assistance Program																						
23	Home Assistance Program	Verified	261,837	261,837	261,837	236,273	235,659	235,659	228,576	227,170	109,776	109,119		40	38	38	38	38	38	38	38	32	31
	Adjustment to 2012 savings	True-up	47,874	47,874	47,412	47,370	44,621	41,395	40,188	38,778	38,186	22,660		7	7	7	7	7	7	7	7	7	6
	Aboriginal Program																						
24	Home Assistance Program	Verified																					
	Adjustment to 2012 savings	True-up																					
25	Direct Install Lighting	Verified											0										
	Adjustment to 2012 savings	True-up											0										
	Pre-2011 Programs completed in 2011																						
26	Electricity Retrofit Incentive Program	Verified											12										
	Adjustment to 2012 savings	True-up											12										
27	High Performance New Construction	Verified	418,130	418,130	418,130	418,130	418,130	418,130	418,130	418,130	418,130	418,130	12	189	189	189	189	189	189	189	189	189	189
	Adjustment to 2012 savings	True-up											12										
28	Toronto Comprehensive	Verified											0										
	Adjustment to 2012 savings	True-up											0										
29	Multifamily Energy Efficiency Rebates	Verified											0										
	Adjustment to 2012 savings	True-up											0										
30	LDC Custom Programs	Verified											0										
	Adjustment to 2012 savings	True-up											0										
	Other																						
31	Program Enabled Savings	Verified											0										
	Adjustment to 2012 savings	True-up											0										
32	Time of Use Savings	Verified											0										
	Adjustment to 2012 savings	True-up											0										
33	LDC Pilots	Verified											0										
	Adjustment to 2012 savings	True-up											0										
	Actual CDM Savings in 2012		**40,078,316**	**39,844,314**	**39,472,204**	**38,273,931**	**36,746,963**	**32,203,978**	**31,315,557**	**31,303,565**	**29,662,344**	**21,759,761**		**15,713**	**8,577**	**8,477**	**8,178**	**7,881**	**6,645**	**6,529**	**6,521**	**6,100**	**4,744**
	Forecast CDM Savings in 2012																						

Rate Allocations for LRAMVA

#	Program	Results Status	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting									Total
			kWh	kWh	kW	kW	kW	kW									
	Consumer Program																
1	Appliance Retirement	Verified	100.00%														100%
	Adjustment to 2012 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2	Appliance Exchange	Verified	100.00%														100%
	Adjustment to 2012 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
3	HVAC Incentives	Verified	100.00%														100%
	Adjustment to 2012 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
4	Conservation Instant Coupon Booklet	Verified	100.00%														100%
	Adjustment to 2012 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
5	Bi-Annual Retailer Event	Verified	100.00%														100%
	Adjustment to 2012 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
6	Retailer Co-op	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
7	Residential Demand Response	Verified	100.00%														100%
	Adjustment to 2012 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
8	Residential Demand Response (IHD)	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
9	Residential New Construction	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Business Program																
10	Retrofit	Verified		13%	66%	27.00%	3.00%										109%
	Adjustment to 2012 savings	True-up	0.00%	13.00%	66.00%	27.00%	3.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
11	Direct Install Lighting	Verified		100%													100%
	Adjustment to 2012 savings	True-up	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
12	Building Commissioning	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
13	New Construction	Verified				100.00%											100%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
14	Energy Audit	Verified		7%	63%	30%											100%
	Adjustment to 2012 savings	True-up	0.00%	7.00%	63.00%	30.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
15	Small Commercial Demand Response	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
16	Small Commercial Demand Response (IHD)	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
17	Demand Response 3	Verified		0%	50%	50%											100%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Industrial Program																
18	Process & System Upgrades	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
19	Monitoring & Targeting	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
20	Energy Manager	Verified			30.00%	70%											100%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	30.00%	70.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
21	Retrofit	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
22	Demand Response 3	Verified			25%	75%											100%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	25.00%	75.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Home Assistance Program																
23	Home Assistance Program	Verified	100%														100%
	Adjustment to 2012 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Aboriginal Program																
24	Home Assistance Program	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
25	Direct Install Lighting	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Pre-2011 Programs completed in 2011																
26	Electricity Retrofit Incentive Program	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
27	High Performance New Construction	Verified			50.00%	50.00%											100%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
28	Toronto Comprehensive	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
29	Multifamily Energy Efficiency Rebates	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
30	LDC Custom Programs	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other																
31	Program Enabled Savings	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
32	Time of Use Savings	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
33	LDC Pilots	Verified															0%
	Adjustment to 2012 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Actual CDM Savings in 2012		**3,957,481**	**8,786,464**	**45,065**	**20,419**	**1,909**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
	Forecast CDM Savings in 2012		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	

Distribution Rate in 2012	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$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	$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	$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**	**$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**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$ -**
LRAMVA in 2012															**$ -**
2012 Savings Persisting in 2013	3,947,406	8,772,919	44,814	20,307	1,898	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2014	3,946,944	8,553,853	44,388	20,133	1,879	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2015	3,920,242	7,646,635	43,645	19,829	1,845	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2016	3,626,611	7,560,085	41,730	18,917	1,845	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2017	3,170,243	4,428,570	39,059	17,824	1,723	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2018	2,888,986	4,349,639	38,243	17,491	1,686	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2019	2,884,939	4,341,694	38,243	17,491	1,686	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2020	2,766,953	4,143,673	34,960	16,148	1,537	0	0	0	0	0	0	0	0	0	

Note: LDC to make note of assumptions included above

Table 4-c. 2013 Lost Revenues Work Form

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#	Program	Results Status	Net Energy Savings (kWh) 2013	Net Energy Savings Persistence (kWh) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Monthly Multiplier	Net Demand Savings (kW) 2013	Net Peak Demand Savings Persistence (kW) 2014	2015	2016	2017	2018	2019	2020	2021	2022
	Consumer Program																						
1	Appliance Retirement	Verified	247,739	247,739	247,739	247,431	144,651	0	0	0	0	0		37	37	37	37	21	0	0	0	0	0
	Adjustment to 2013 savings	True-up																					
2	Appliance Exchange	Verified	32,880	32,880	32,880	32,880	0	0	0	0	0	0		18	18	18	18	0	0	0	0	0	0
	Adjustment to 2013 savings	True-up																					

Rate Allocations for LRAMVA

#	Program	Results Status	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting									Total
			kWh	kWh	kW	kW	kW	kW									
	Consumer Program																
1	Appliance Retirement	Verified	100.00%														100%
	Adjustment to 2013 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2	Appliance Exchange	Verified	100.00%														100%
	Adjustment to 2013 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

3	HVAC Incentives	Verified	2,205,223	2,205,223	2,205,223	2,205,223	2,205,223	2,205,223	2,205,223	2,205,223	2,205,223	2,205,223	
	Adjustment to 2013 savings	True-up	120,092	120,092	120,092	120,092	120,092	120,092	120,092	120,092	120,092	120,092	
4	Conservation Instant Coupon Booklet	Verified	302,637	302,637	290,974	246,515	246,515	246,515	246,515	246,310	179,109	179,109	
	Adjustment to 2013 savings	True-up	926	926	880	761	761	761	761	761	639	639	
5	Bi-Annual Retailer Event	Verified	674,564	674,564	633,920	495,212	495,212	495,212	495,212	494,628	415,954	415,954	
	Adjustment to 2013 savings	True-up											
6	Retailer Co-op	Verified											
	Adjustment to 2013 savings	True-up											
7	Residential Demand Response	Verified	10,205										
	Adjustment to 2013 savings	True-up											
8	Residential Demand Response (IHD)	Verified											
	Adjustment to 2013 savings	True-up											
9	Residential New Construction	Verified											
	Adjustment to 2013 savings	True-up											
	Business Program												
10	Retrofit	Verified	18,067,403	17,748,730	17,502,598	17,495,056	16,694,268	16,338,838	16,338,838	16,533,703	15,618,446	13,239,246	12
	Adjustment to 2013 savings	True-up	9,316,522	9,304,613	9,301,615	9,301,615	9,199,956	9,143,752	9,143,752	8,876,305	8,522,280	8,112,566	12
11	Direct Install Lighting	Verified	3,914,521	3,914,521	3,709,133	3,004,016	962,286	946,790	946,790	942,977	942,977	942,977	12
	Adjustment to 2013 savings	True-up											12
12	Building Commissioning	Verified											3
	Adjustment to 2013 savings	True-up											3
13	New Construction	Verified											12
	Adjustment to 2013 savings	True-up	211,782	211,782	211,782	211,782	211,782	211,782	211,782	211,782	211,782	211,782	12
14	Energy Audit	Verified	532,958	532,958	532,958	532,958	0	0	0	0	0	0	12
	Adjustment to 2013 savings	True-up	242,768	242,768	242,768	242,768	0	0	0	0	0	0	12
15	Small Commercial Demand Response	Verified											
	Adjustment to 2013 savings	True-up											
16	Small Commercial Demand Response (IHD)	Verified											
	Adjustment to 2013 savings	True-up											
17	Demand Response 3	Verified	17,169										
	Adjustment to 2013 savings	True-up											
	Industrial Program												
18	Process & System Upgrades	Verified											12
	Adjustment to 2013 savings	True-up											12
19	Monitoring & Targeting	Verified											12
	Adjustment to 2013 savings	True-up											12
20	Energy Manager	Verified	3,762,469	2,058,621	2,058,621	2,025,411	1,119,420	25,920	25,920	25,920	25,920	25,920	12
	Adjustment to 2013 savings	True-up	8,343,933	9,626,653	9,626,653	9,624,763	10,523,554	11,599,054	11,599,054	11,599,054	11,590,954	11,590,954	12
21	Retrofit	Verified											12
	Adjustment to 2013 savings	True-up											12
22	Demand Response 3	Verified	416,174										
	Adjustment to 2013 savings	True-up											
	Home Assistance Program												
23	Home Assistance Program	Verified	198,590	191,464	190,816	172,271	165,589	158,907	156,101	155,096	69,014	68,868	
	Adjustment to 2013 savings	True-up	273,584	266,606	265,961	249,158	243,290	237,427	234,199	232,774	154,230	153,858	
	Aboriginal Program												
24	Home Assistance Program	Verified											
	Adjustment to 2013 savings	True-up											
25	Direct Install Lighting	Verified											0
	Adjustment to 2013 savings	True-up											0
	Pre-2011 Programs completed in 2011												
26	Electricity Retrofit Incentive Program	Verified											12
	Adjustment to 2013 savings	True-up											12
27	High Performance New Construction	Verified											12
	Adjustment to 2013 savings	True-up											12
28	Toronto Comprehensive	Verified											0
	Adjustment to 2013 savings	True-up											0
29	Multifamily Energy Efficiency Rebates	Verified											0
	Adjustment to 2013 savings	True-up											0
30	LDC Custom Programs	Verified											0
	Adjustment to 2013 savings	True-up											0
	Other												
31	Program Enabled Savings	Verified											0
	Adjustment to 2013 savings	True-up											0
32	Time of Use Savings	Verified											0
	Adjustment to 2013 savings	True-up											0
33	Retrofit (Streetlight project)	Verified	5,110,764	5,110,764	5,110,764	5,110,764	5,110,764	5,110,764	5,110,764	4,845,772	4,699,277	4,699,277	12
	Adjustment to 2013 savings	True-up											12
	Actual CDM Savings in 2013		**54,002,903**	**52,793,541**	**52,285,377**	**51,318,675**	**47,443,363**	**46,841,037**	**46,835,003**	**46,490,396**	**44,755,896**	**41,966,463**	
	Forecast CDM Savings in 2013												

3	HVAC Incentives	Verified	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289
	Adjustment to 2013 savings	True-up	68	68	68	68	68	68	68	68	68	68
4	Conservation Instant Coupon Booklet	Verified	20	20	20	17	17	17	17	17	13	13
	Adjustment to 2013 savings	True-up		0	0	0	0	0	0	0	0	0
5	Bi-Annual Retailer Event	Verified	46	46	44	35	35	35	35	35	30	30
	Adjustment to 2013 savings	True-up										
6	Retailer Co-op	Verified										
	Adjustment to 2013 savings	True-up										
7	Residential Demand Response	Verified	6,291									
	Adjustment to 2013 savings	True-up										
8	Residential Demand Response (IHD)	Verified										
	Adjustment to 2013 savings	True-up										
9	Residential New Construction	Verified										
	Adjustment to 2013 savings	True-up										
	Business Program											
10	Retrofit	Verified	4,348	4,258	4,189	4,187	3,943	3,870	3,870	3,860	3,543	3,082
	Adjustment to 2013 savings	True-up	852	849	848	848	819	811	811	811	757	694
11	Direct Install Lighting	Verified	1,193	1,193	1,138	949	284	277	277	273	273	273
	Adjustment to 2013 savings	True-up										
12	Building Commissioning	Verified										
	Adjustment to 2013 savings	True-up										
13	New Construction	Verified										
	Adjustment to 2013 savings	True-up	98	98	98	98	98	98	98	98	98	98
14	Energy Audit	Verified	97	97	97	97	0	0	0	0	0	0
	Adjustment to 2013 savings	True-up	44	44	44	44	0	0	0	0	0	0
15	Small Commercial Demand Response	Verified										
	Adjustment to 2013 savings	True-up										
16	Small Commercial Demand Response (IHD)	Verified										
	Adjustment to 2013 savings	True-up										
17	Demand Response 3	Verified	1,079									
	Adjustment to 2013 savings	True-up										
	Industrial Program											
18	Process & System Upgrades	Verified										
	Adjustment to 2013 savings	True-up										
19	Monitoring & Targeting	Verified										
	Adjustment to 2013 savings	True-up										
20	Energy Manager	Verified	974	888	888	885	724	25	25	25	25	25
	Adjustment to 2013 savings	True-up	891	944	944	943	1,096	1,795	1,795	1,795	1,795	1,795
21	Retrofit	Verified										
	Adjustment to 2013 savings	True-up										
22	Demand Response 3	Verified	17,139									
	Adjustment to 2013 savings	True-up										
	Home Assistance Program											
23	Home Assistance Program	Verified	20	19	19	18	18	18	18	18	13	13
	Adjustment to 2013 savings	True-up	56	56	56	55	54	54	54	54	50	49
	Aboriginal Program											
24	Home Assistance Program	Verified										
	Adjustment to 2013 savings	True-up										
25	Direct Install Lighting	Verified										
	Adjustment to 2013 savings	True-up										
	Pre-2011 Programs completed in 2011											
26	Electricity Retrofit Incentive Program	Verified										
	Adjustment to 2013 savings	True-up										
27	High Performance New Construction	Verified										
	Adjustment to 2013 savings	True-up										
28	Toronto Comprehensive	Verified										
	Adjustment to 2013 savings	True-up										
29	Multifamily Energy Efficiency Rebates	Verified										
	Adjustment to 2013 savings	True-up										
30	LDC Custom Programs	Verified										
	Adjustment to 2013 savings	True-up										
	Other											
31	Program Enabled Savings	Verified										
	Adjustment to 2013 savings	True-up										
32	Time of Use Savings	Verified										
	Adjustment to 2013 savings	True-up										
33	Retrofit (Streetlight project)	Verified										
	Adjustment to 2013 savings	True-up										
	Actual CDM Savings in 2013		**34,560**	**9,925**	**9,797**	**9,589**	**8,466**	**8,356**	**8,356**	**8,342**	**7,954**	**7,429**
	Forecast CDM Savings in 2013											

3	HVAC Incentives	Verified	100.00%														100%
	Adjustment to 2013 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
4	Conservation Instant Coupon Booklet	Verified	100.00%														100%
	Adjustment to 2013 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
5	Bi-Annual Retailer Event	Verified	100.00%														100%
	Adjustment to 2013 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
6	Retailer Co-op	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
7	Residential Demand Response	Verified	100.00%														100%
	Adjustment to 2013 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
8	Residential Demand Response (IHD)	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
9	Residential New Construction	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Business Program																
10	Retrofit	Verified		9%	64%	23%	10.00%										106%
	Adjustment to 2013 savings	True-up	0.00%	9.00%	64.00%	23.00%	10.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
11	Direct Install Lighting	Verified		100%													100%
	Adjustment to 2013 savings	True-up	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
12	Building Commissioning	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
13	New Construction	Verified			22.00%	78.00%											100%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	22.00%	78.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
14	Energy Audit	Verified			18%	76.00%	6.00%										100%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	18.00%	76.00%	6.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
15	Small Commercial Demand Response	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
16	Small Commercial Demand Response (IHD)	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
17	Demand Response 3	Verified			50.00%	50.00%											100%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Industrial Program																
18	Process & System Upgrades	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
19	Monitoring & Targeting	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
20	Energy Manager	Verified				30.00%	70%										100%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	30.00%	70.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
21	Retrofit	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
22	Demand Response 3	Verified			25.00%	75.00%											100%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	25.00%	75.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Home Assistance Program																
23	Home Assistance Program	Verified	100%														100%
	Adjustment to 2013 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Aboriginal Program																
24	Home Assistance Program	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
25	Direct Install Lighting	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Pre-2011 Programs completed in 2011																
26	Electricity Retrofit Incentive Program	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
27	High Performance New Construction	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
28	Toronto Comprehensive	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
29	Multifamily Energy Efficiency Rebates	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
30	LDC Custom Programs	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other																
31	Program Enabled Savings	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
32	Time of Use Savings	Verified															0%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
33	Retrofit (Streetlight project)	Verified						100.00%									100%
	Adjustment to 2013 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Actual CDM Savings in 2013		**4,066,440**	**6,379,074**	**40,499**	**23,269**	**22,008**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
	Forecast CDM Savings in 2013		**35,842,920**	**39,519,293**	**19,284**	**16,135**	**15,417**	**61,001**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
	Distribution Rate in 2013		$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$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	$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	$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	$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**	**$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**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$ -**
	LRAMVA in 2013																**$ -**
	2013 Savings Persisting in 2014		4,042,130	6,349,322	39,785	22,889	21,615	0	0	0	0	0	0	0	0	0	
	2013 Savings Persisting in 2015		3,988,485	6,121,512	39,251	22,698	21,531	0	0	0	0	0	0	0	0	0	
	2013 Savings Persisting in 2016		3,769,542	5,415,716	39,234	22,680	21,502	0	0	0	0	0	0	0	0	0	
	2013 Savings Persisting in 2017		3,621,333	3,292,766	36,829	20,608	21,000	0	0	0	0	0	0	0	0	0	
	2013 Savings Persisting in 2018		3,464,137	3,240,223	36,205	20,383	20,903	0	0	0	0	0	0	0	0	0	
	2013 Savings Persisting in 2019		3,458,103	3,240,223	36,205	20,383	20,903	0	0	0	0	0	0	0	0	0	
	2013 Savings Persisting in 2020		3,454,883	3,229,877	36,131	20,357	20,891	0	0	0	0	0	0	0	0	0	

Note: LDC to make note of assumptions included above

Table 4-d. 2014 Lost Revenues Work Form Return to Top Go to Persistence Report

#	Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)								
			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Consumer Program																						
1	Appliance Retirement	Verified	205,529	205,529	205,529	205,112	130,786	0	0	0	0	0		30	30	30	30	19	0	0	0	0	0
	Adjustment to 2014 savings	True-up																					
2	Appliance Exchange	Verified	46,919	46,919	46,919	46,919	0	0	0	0	0	0		26	26	26	26	0	0	0	0	0	0
	Adjustment to 2014 savings	True-up																					
3	HVAC Incentives	Verified	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153		1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398
	Adjustment to 2014 savings	True-up																					
4	Conservation Instant Coupon Booklet	Verified	1,166,247	1,089,769	1,052,672	1,052,672	1,052,672	1,052,672	1,052,672	1,050,742	1,050,742	906,024		87	82	79	79	79	79	79	79	79	70
	Adjustment to 2014 savings	True-up																					
5	Bi-Annual Retailer Event	Verified	4,825,760	4,186,296	3,853,043	3,853,043	3,853,043	3,853,043	3,853,043	3,851,374	3,851,374	3,581,992		316	276	255	255	255	255	255	255	255	238
	Adjustment to 2014 savings	True-up																					
6	Retailer Co-op	Verified																					
	Adjustment to 2014 savings	True-up																					
7	Residential Demand Response	Verified	1,247											7,615									
	Adjustment to 2014 savings	True-up																					
8	Residential Demand Response (IHD)	Verified																					
	Adjustment to 2014 savings	True-up																					
9	Residential New Construction	Verified	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304											
	Adjustment to 2014 savings	True-up																					
	Business Program																						
10	Retrofit	Verified	41,820,981	41,792,521	41,792,521	41,240,745	41,240,745	41,140,977	39,030,198	39,030,198	37,213,808	27,982,620	12	6,002	5,994	5,994	5,837	5,837	5,808	5,536	5,536	5,234	4,080
	Adjustment to 2014 savings	True-up											12										
11	Direct Install Lighting	Verified	4,679,900	4,579,621	4,449,982	2,705,295	2,705,295	2,705,295	2,705,295	2,705,295	2,705,295	2,705,295	12	1,348	1,322	1,288	744	744	744	744	744	744	744
	Adjustment to 2014 savings	True-up											12										
12	Building Commissioning	Verified											3										
	Adjustment to 2014 savings	True-up											3										
13	New Construction	Verified	204,720	204,720	204,720	204,720	204,720	204,720	204,720	204,720	175,530	175,530	12	120	120	120	120	120	120	120	120	110	110
	Adjustment to 2014 savings	True-up											12										
14	Energy Audit	Verified	4,177,508	4,177,508	4,177,508	4,177,508	0	0	0	0	0	0	12	855	855	855	855	0	0	0	0	0	0
	Adjustment to 2014 savings	True-up											12										
15	Small Commercial Demand Response	Verified												243									
	Adjustment to 2014 savings	True-up																					
16	Small Commercial Demand Response (IHD)	Verified																					
	Adjustment to 2014 savings	True-up																					
17	Demand Response 3	Verified												904									
	Adjustment to 2014 savings	True-up																					
	Industrial Program																						
18	Process & System Upgrades	Verified											12										
	Adjustment to 2014 savings	True-up											12										
19	Monitoring & Targeting	Verified											12										
	Adjustment to 2014 savings	True-up											12										
20	Energy Manager	Verified	3,893,879	2,676,503	2,372,464	2,372,464	2,372,464	2,372,464	2,372,464	2,372,464	2,372,464	2,372,464	12	478	385	290	290	290	290	290	290	290	290
	Adjustment to 2014 savings	True-up											12										
21	Retrofit	Verified											12										
	Adjustment to 2014 savings	True-up											12										
22	Demand Response 3	Verified												17,243									
	Adjustment to 2014 savings	True-up																					
	Home Assistance Program																						
23	Home Assistance Program	Verified	724,043	720,942	644,369	618,486	589,778	589,778	583,221	580,458	265,860	265,372		59	59	55	54	52	52	52	52	36	35
	Adjustment to 2014 savings	True-up																					
	Aboriginal Program																						
24	Home Assistance Program	Verified																					
	Adjustment to 2014 savings	True-up																					
25	Direct Install Lighting	Verified											0										
	Adjustment to 2014 savings	True-up											0										
	Pre-2011 Programs completed in 2011																						
26	Electricity Retrofit Incentive Program	Verified											12										
	Adjustment to 2014 savings	True-up											12										
27	High Performance New Construction	Verified											12										
	Adjustment to 2014 savings	True-up											12										
28	Toronto Comprehensive	Verified											0										
	Adjustment to 2014 savings	True-up											0										
29	Multifamily Energy Efficiency Rebates	Verified											0										
	Adjustment to 2014 savings	True-up											0										
30	LDC Custom Programs	Verified											0										
	Adjustment to 2014 savings	True-up											0										
	Other																						
31	2013 Streetlight Project	Verified											12										
	Adjustment to 2014 savings	True-up											12										
32	Time of Use Savings	Verified											0	3,831	0	0	0	0	0	0	0	0	0
	Adjustment to 2014 savings	True-up											0										
33	LDC Pilots	Verified	184,241	0	0	0	0	0	0	0	0	0	12	24	0	0	0	0	0	0	0	0	0
	Adjustment to 2014 savings	True-up											12										
	Actual CDM Savings in 2014		**64,513,431**	**62,262,785**	**61,382,184**	**59,059,420**	**54,731,959**	**54,501,405**	**52,384,070**	**52,377,708**	**50,217,530**	**40,571,754**		**40,579**	**10,548**	**10,391**	**9,687**	**8,794**	**8,746**	**8,473**	**8,473**	**8,146**	**6,965**
	Forecast CDM Savings in 2014																						

#	Program	Rate Allocations for LRAMVA													
		Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting									Total
		kWh	kWh	kW	kW	kW	kW									
1	Appliance Retirement	100%														100%
	Adjustment to 2014 savings	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2	Appliance Exchange	100%														100%
	Adjustment to 2014 savings	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
3	HVAC Incentives	100%														100%
	Adjustment to 2014 savings	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
4	Conservation Instant Coupon Booklet	100%														100%
	Adjustment to 2014 savings	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
5	Bi-Annual Retailer Event	100%														100%
	Adjustment to 2014 savings	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
6	Retailer Co-op															0%
	Adjustment to 2014 savings	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
7	Residential Demand Response	100.00%														100%
	Adjustment to 2014 savings	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
8	Residential Demand Response (IHD)															0%
	Adjustment to 2014 savings	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
9	Residential New Construction	100.00%														100%
	Adjustment to 2014 savings	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Business Program															
10	Retrofit		10%	67%	23%	4.00%										104%
	Adjustment to 2014 savings	0.00%	10.00%	67.00%	23.00%	4.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
11	Direct Install Lighting		100%													100%
	Adjustment to 2014 savings	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
12	Building Commissioning															0%
	Adjustment to 2014 savings	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
13	New Construction		73.00%	11.00%	0.00%	9.00%										93%
	Adjustment to 2014 savings	0.00%	73.00%	11.00%	0.00%	9.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
14	Energy Audit		19.00%	60%	21.00%											100%
	Adjustment to 2014 savings	0.00%	19.00%	60.00%	21.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
15	Small Commercial Demand Response		100.00%													100%
	Adjustment to 2014 savings	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
16	Small Commercial Demand Response (IHD)															0%
	Adjustment to 2014 savings	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
17	Demand Response 3			50.00%	50.00%											100%
	Adjustment to 2014 savings	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Industrial Program															
18	Process & System Upgrades															0%
	Adjustment to 2014 savings	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
19	Monitoring & Targeting															0%
	Adjustment to 2014 savings	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
20	Energy Manager				42.00%	58.00%										100%
	Adjustment to 2014 savings	0.00%	0.00%	0.00%	42.00%	58.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
21	Retrofit															0%
	Adjustment to 2014 savings	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
22	Demand Response 3			25.00%	75.00%											100%
	Adjustment to 2014 savings	0.00%	0.00%	25.00%	75.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Home Assistance Program															
23	Home Assistance Program	100%														100%
	Adjustment to 2014 savings	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Aboriginal Program															
24	Home Assistance Program															0%
	Adjustment to 2014 savings	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
25	Direct Install Lighting															0%
	Adjustment to 2014 savings	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Pre-2011 Programs completed in 2011															
26	Electricity Retrofit Incentive Program															0%
	Adjustment to 2014 savings	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
27	High Performance New Construction															0%
	Adjustment to 2014 savings	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
28	Toronto Comprehensive															0%
	Adjustment to 2014 savings	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
29	Multifamily Energy Efficiency Rebates															0%
	Adjustment to 2014 savings	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
30	LDC Custom Programs															0%
	Adjustment to 2014 savings	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other															
31	2013 Streetlight Project															0%
	Adjustment to 2014 savings	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
32	Time of Use Savings	100.00%														100%
	Adjustment to 2014 savings	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
33	LDC Pilots				100.00%											100%
	Adjustment to 2014 savings	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Actual CDM Savings in 2014	**9,552,202**	**9,805,170**	**54,570**	**21,417**	**6,337**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
	Forecast CDM Savings in 2014	**35,842,920**	**39,519,293**	**19,284**	**16,135**	**15,417**	**61,001**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	

Distribution Rate in 2014	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$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	$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	$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	$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	$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**	**$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**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$ -**
LRAMVA in 2014															**$ -**
2014 Savings Persisting in 2015	8,831,912	9,702,045	54,507	20,641	5,689	0	0	0	0	0	0	0	0	0	
2014 Savings Persisting in 2016	8,384,989	9,572,406	54,507	20,157	5,022	0	0	0	0	0	0	0	0	0	
2014 Savings Persisting in 2017	8,358,689	7,772,541	53,244	19,724	4,946	0	0	0	0	0	0	0	0	0	
2014 Savings Persisting in 2018	8,208,736	6,978,815	47,084	17,568	4,946	0	0	0	0	0	0	0	0	0	
2014 Savings Persisting in 2019	8,077,950	6,968,838	46,856	17,490	4,933	0	0	0	0	0	0	0	0	0	
2014 Savings Persisting in 2020	8,071,393	6,757,760	44,665	16,738	4,802	0	0	0	0	0	0	0	0	0	

Note: LDC to make note of assumptions included above

Ontario Energy Board

LRAMVA Work Form:
2015 - 2020 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 2015-2020 period. Please input or manually link the savings, adjustments and program savings persistence in these tables from the LDC's Persistence Reports provided by the IESO (which are pasted following Tab 7. Persistence Data, tabs "7-a. 2011, 7-b. 2012, ... 7-j. 2020") to complete the tables below.

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 can be claimed as past 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 change.

4. LDC are requested to input the applicable rate class allocation percentages indicating the customer's share of consumption to allocate actual savings to the rate classes. The generic template currently includes the same allocation percentage for programs and its savings adjustments. If a different allocation is proposed for savings adjustments, please highlight the change and provide rationale in Tab 1-a. Please also be advised that the same rate classes (of up to 14) are carried over from the Summary Tab 1. LDCs would need to manually update the tables and formulas below if more rate classes are needed.

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. LDCs are requested to provide assumptions about the years that persistence is captured in the load forecast calculation in the "Notes" section below each table. If this is not the case, the LDC is requested to clearly articulate the rationale for including the persistence of future savings beyond the re-basing year in Tab 1-a.

Tables

Table 5-a. 2015 Lost Revenues Work Form Go to Persistence Report

#	Program	Results Status	Net Energy Savings (kWh) 2015	Net Energy Savings Persistence (kWh) 2016	2017	2018	2019	2020	2021	2022	2023	2024	Monthly Multiplier	Net Demand Savings (kW) 2015	Net Peak Demand Savings Persistence (kW) 2016	2017	2018	2019	2020	2021	2022	2023	2024
	Legacy Framework																						
	Residential Program																						
1	Coupon Initiative	Verified	2,173,737	2,154,375	2,154,375	2,154,375	2,154,375	2,154,375	2,154,375	2,153,946	2,153,946	2,153,946		141	140	140	140	140	140	140	140	140	140
	Adjustment to 2015 savings	True-up	502,885	497,119	497,119	497,119	497,119	497,119	497,119	496,860	496,860	496,860		32	32	32	32	32	32	32	32	32	32
2	Bi-Annual Retailer Event Initiative	Verified	3,679,485	3,614,091	3,614,091	3,614,091	3,614,091	3,614,091	3,614,091	3,612,200	3,612,200	3,612,200		248	244	244	244	244	244	244	244	244	244
	Adjustment to 2015 savings	True-up	38,059	37,613	37,613	37,613	37,613	37,613	37,613	37,519	37,519	37,519		2	2	2	2	2	2	2	2	2	2
3	Appliance Retirement Initiative	Verified	60,261	60,261	60,261	60,261	37,035	0	0	0	0	0		9	9	9	9	5	0	0	0	0	0
	Adjustment to 2015 savings	True-up																					
4	HVAC Incentives Initaitive	Verified	2,584,003	2,584,003	2,584,003	2,584,003	2,584,003	2,584,003	2,584,003	2,584,003	2,584,003	2,584,003		1,355	1,355	1,355	1,355	1,355	1,355	1,355	1,355	1,355	1,355
	Adjustment to 2015 savings	True-up	110,951	110,951	110,951	110,951	110,951	110,951	110,951	110,951	110,951	110,951		57	57	57	57	57	57	57	57	57	57
5	Residential New Construction and Major	Verified																					
	Adjustment to 2015 savings	True-up																					
	Commercial & Institutional Program																						
6	Energy Audit Initiative	Verified	3,573,385	3,573,385	3,573,385	3,573,385	0	0	0	0	0	0	12	762	762	762	762	0	0	0	0	0	0
	Adjustment to 2015 savings	True-up	5,766,646	5,766,646	5,766,646	5,766,646	9,340,038	9,340,038	9,340,038	9,340,038	9,340,038	9,340,038	12	1,229	1,229	1,229	1,229	2,127	2,127	2,127	2,127	2,127	2,127
7	Efficiency: Equipment Replacement Incentive Initiative	Verified	45,320,196	45,320,196	45,034,080	45,032,593	45,032,593	44,840,465	42,808,250	42,808,250	41,594,868	34,763,280	12	6,865	6,865	6,775	6,775	6,775	6,715	6,396	6,396	6,101	5,063
	Adjustment to 2015 savings	True-up	2,784,592	2,784,592	2,777,671	2,771,791	2,771,791	2,771,791	2,533,149	2,533,149	2,502,350	1,509,208	12	462	462	460	458	458	458	419	419	409	247
8	Direct Install Lighting and Water Heating Initiative	Verified	3,360,796	3,220,399	1,926,026	1,925,910	1,925,910	1,925,910	1,925,910	1,925,910	1,925,910	1,925,910	12	810	778	441	441	441	441	441	441	441	441
	Adjustment to 2015 savings	True-up											12										
9	New Construction and Major Renovation Initiative	Verified	931,231	931,231	931,231	931,231	931,231	931,231	931,231	931,231	930,086	930,086	12	305	305	305	305	305	305	305	305	305	305
	Adjustment to 2015 savings	True-up	573,307	573,307	573,307	573,307	573,307	573,307	573,307	573,307	573,307	573,307	12	200	200	200	200	200	200	200	200	200	200
10	Existing Building Commissioning Incentive Initiative	Verified											3										
	Adjustment to 2015 savings	True-up											3										
	Industrial Program																						
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	Verified											12										
	Adjustment to 2015 savings	True-up	2,462,181	2,462,181	515,382	515,382	515,382	515,382	515,382	515,382	515,382	515,382	12	272	272	61	61	61	61	61	61	61	61
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Verified											12										
	Adjustment to 2015 savings	True-up											12										
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative	Verified	4,040,545	3,202,504	3,202,504	3,202,504	3,095,771	3,095,771	3,013,834	2,972,509	2,972,509	1,392,934	12	1,232	1,146	1,146	1,146	1,127	1,127	1,107	1,089	1,089	342
	Adjustment to 2015 savings	True-up											12										
	Low Income Program																						
14	Low Income Initiative	Verified	343,883	274,624	264,686	254,747	253,557	253,557	249,106	248,306	141,134	140,918	12	30	26	26	25	25	25	25	25	19	19
	Adjustment to 2015 savings	True-up											12										
	Other																						
15	Aboriginal Conservation Program	Verified											0										
	Adjustment to 2015 savings	True-up											0										
16	2013 Streetlight Project	Verified											12										
	Adjustment to 2015 savings	True-up											12										
	Conservation Fund Pilots																						
17	Conservation Fund Pilot - EnerNOC	Verified																					
	Adjustment to 2015 savings	True-up											0										
18	Loblaws Pilot	Verified	183,513	183,513	183,513	183,513	183,513	183,513	183,513	183,513	183,513	183,513	12	14	14	14	14	14	14	14	14	14	14
	Adjustment to 2015 savings	True-up											12										
19	Conservation Fund Pilot - SEG	Verified	6,899,972										12	499									
	Adjustment to 2015 savings	True-up											12										
20	Social Benchmarking Pilot	Verified											0										
	Adjustment to 2015 savings	True-up											0										
	Conservation First Framework																						
	Residential Province-Wide Programs																						
21	Save on Energy Coupon Program	Verified																					
	Adjustment to 2015 savings	True-up																					
22	Save on Energy Heating and Cooling Program	Verified																					
	Adjustment to 2015 savings	True-up																					
23	Save on Energy New Construction Program	Verified																					
	Adjustment to 2015 savings	True-up																					
24	Save on Energy Home Assistance Program	Verified																					
	Adjustment to 2015 savings	True-up																					
	Non-Residential Province-Wide Programs																						
25	Save on Energy Audit Funding Program	Verified											12										
	Adjustment to 2015 savings	True-up	77,834	77,834	77,834	77,834	77,834	77,834	77,834	77,834	77,834	77,834	12	17	17	17	17	17	17	17	17	17	17

#	Program	Results Status	Rate Allocations for LRAMVA: Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting									Total
	Legacy Framework		kWh	kWh	kW	kW	kW	kW									
	Residential Program																
1	Coupon Initiative	Verified	100.00%														100%
	Adjustment to 2015 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2	Bi-Annual Retailer Event Initiative	Verified	100.00%														100%
	Adjustment to 2015 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
3	Appliance Retirement Initiative	Verified	100.00%														100%
	Adjustment to 2015 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
4	HVAC Incentives Initaitive	Verified	100.00%														100%
	Adjustment to 2015 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
5	Residential New Construction and Major	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Commercial & Institutional Program																
6	Energy Audit Initiative	Verified		16.00%	71.00%	10.00%	2.00%										99%
	Adjustment to 2015 savings	True-up	0.00%	16.00%	71.00%	10.00%	2.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
7	Efficiency: Equipment Replacement Incentive Initiative	Verified		14.00%	58.00%	32.00%	5.00%										109%
	Adjustment to 2015 savings	True-up	0.00%	14.00%	58.00%	32.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
8	Direct Install Lighting and Water Heating Initiative	Verified		100.00%													100%
	Adjustment to 2015 savings	True-up	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
9	New Construction and Major Renovation Initiative	Verified		1.00%	5.00%	94.00%	0.00%										100%
	Adjustment to 2015 savings	True-up	0.00%	1.00%	5.00%	94.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
10	Existing Building Commissioning Incentive Initiative	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Industrial Program																
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	Verified				47.06%	52.94%										100%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	47.06%	52.94%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative	Verified				50.00%	50.00%										100%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Low Income Program																
14	Low Income Initiative	Verified	100%														100%
	Adjustment to 2015 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other																
15	Aboriginal Conservation Program	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
16	2013 Streetlight Project	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Conservation Fund Pilots																
17	Conservation Fund Pilot - EnerNOC	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
18	Loblaws Pilot	Verified				100.00%											100%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
19	Conservation Fund Pilot - SEG	Verified			50.00%	50.00%											100%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
20	Social Benchmarking Pilot	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Conservation First Framework																
	Residential Province-Wide Programs																
21	Save on Energy Coupon Program	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
22	Save on Energy Heating and Cooling Program	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
23	Save on Energy New Construction Program	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
24	Save on Energy Home Assistance Program	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-Residential Province-Wide Programs																
25	Save on Energy Audit Funding Program	Verified	0.00%	16.00%	71.00%	10.00%	2.00%	0.00%	0.00%	0.00%							99%
	Adjustment to 2015 savings	True-up	0.00%	16.00%	71.00%	10.00%	2.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

#	Program	Type																					
26	Save on Energy Retrofit Program	Verified											12										
	Adjustment to 2015 savings	True-up	210,218	210,218	210,218	210,218	210,218	210,218	192,248	192,248	192,248	135,499	12	45	45	45	45	45	45	41	41	41	29
27	Save on Energy Small Business Lighting Program	Verified											12										
	Adjustment to 2015 savings	True-up											12										
28	Save on Energy High Performance New Construction Program	Verified											12										
	Adjustment to 2015 savings	True-up											12										
29	Save on Energy Existing Building Commissioning Program	Verified											3										
	Adjustment to 2015 savings	True-up											3										
30	Save on Energy Process & Systems Upgrades Program	Verified											12										
	Adjustment to 2015 savings	True-up											12										
31	Save on Energy Monitoring & Targeting Program	Verified											12										
	Adjustment to 2015 savings	True-up											12										
32	Save on Energy Retrofit Program - P4P	Verified											12										
	Adjustment to 2015 savings	True-up	1,731,152	1,567,230	1,567,230	1,567,230	1,567,230	1,567,230	1,567,230	1,567,230	1,504,817	1,504,817	12	341	296	296	296	296	296	296	296	286	286
	Local & Regional Programs																						
33	Business Refrigeration Local Program	Verified											0										
	Adjustment to 2015 savings	True-up											0										
34	First Nation Conservation Local Program	Verified											0										
	Adjustment to 2015 savings	True-up											0										
35	Social Benchmarking Local Program	Verified											0										
	Adjustment to 2015 savings	True-up											0										
	Pilot Programs																						
36	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund	Verified											12										
	Adjustment to 2015 savings	True-up											12										
37	EnWin Utilities Ltd. - Building Optimization Pilot	Verified											0										
	Adjustment to 2015 savings	True-up											0										
38	EnWin Utilities Ltd. - Re-Invest Pilot	Verified											0										
	Adjustment to 2015 savings	True-up											0										
39	Horizon Utilities Corporation - ECM Furnace Motor Pilot	Verified											0										
	Adjustment to 2015 savings	True-up											0										
40	Horizon Utilities Corporation - Social Benchmarking Pilot	Verified											0										
	Adjustment to 2015 savings	True-up											0										
41	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot	Verified											0										
	Adjustment to 2015 savings	True-up											0										
42	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot	Verified																					
	Adjustment to 2015 savings	True-up																					
43	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV	Verified											0										
	Adjustment to 2015 savings	True-up											0										
44	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agricultural Sector	Verified											0										
	Adjustment to 2015 savings	True-up											0										
45	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic	Verified											0										
	Adjustment to 2015 savings	True-up											0										
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls	Verified											0										
	Adjustment to 2015 savings	True-up											0										
47	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)	Verified											0										
	Adjustment to 2015 savings	True-up											0										
48	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)	Verified											0										
	Adjustment to 2015 savings	True-up											0										
49	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)	Verified											0										
	Adjustment to 2015 savings	True-up											0										
	Actual CDM Savings in 2015		**87,408,832**	**79,206,273**	**75,662,126**	**75,644,704**	**75,513,562**	**75,284,399**	**72,909,184**	**72,864,386**	**71,449,475**	**61,988,205**		**14,927**	**14,256**	**13,616**	**13,613**	**13,726**	**13,661**	**13,279**	**13,261**	**12,940**	**10,981**
	Forecast CDM Savings in 2015																						

#	Program	Type															
26	Save on Energy Retrofit Program	Verified	0.00%	13.55%	49.13%	31.85%	5.47%	0.00%	0.00%	0.00%							100%
	Adjustment to 2015 savings	True-up	0.00%	13.55%	49.13%	31.85%	5.47%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
27	Save on Energy Small Business Lighting Program	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
28	Save on Energy High Performance New Construction Program	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
29	Save on Energy Existing Building Commissioning Program	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
30	Save on Energy Process & Systems Upgrades Program	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
31	Save on Energy Monitoring & Targeting Program	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
32	Save on Energy Retrofit Program - P4P	Verified	0.00%	13.55%	49.13%	31.85%	5.47%	0.00%	0.00%	0.00%							100%
	Adjustment to 2015 savings	True-up	0.00%	13.55%	49.13%	31.85%	5.47%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
33	Business Refrigeration Local Program	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
34	First Nation Conservation Local Program	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
35	Social Benchmarking Local Program	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
36	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
37	EnWin Utilities Ltd. - Building Optimization Pilot	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
38	EnWin Utilities Ltd. - Re-Invest Pilot	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
39	Horizon Utilities Corporation - ECM Furnace Motor Pilot	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
40	Horizon Utilities Corporation - Social Benchmarking Pilot	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
41	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
42	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
43	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
44	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agricultural Sector	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
45	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
47	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
48	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
49	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)	Verified															0%
	Adjustment to 2015 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Actual CDM Savings in 2015		**9,493,264**	**11,880,403**	**73,677**	**49,807**	**14,252**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
	Forecast CDM Savings in 2015		**35,842,920**	**39,519,293**	**19,284**	**16,135**	**15,417**	**61,001**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
	Distribution Rate in 2015		$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$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	$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	$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	$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	$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	$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**	**$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**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$ -**
	LRAMVA in 2015																**$ -**
	2015 Savings Persisting in 2016		9,333,037	11,717,796	70,418	46,125	13,706	0	0	0	0	0	0	0	0	0	
	2015 Savings Persisting in 2017		9,323,099	10,382,398	69,777	44,580	12,310	0	0	0	0	0	0	0	0	0	
	2015 Savings Persisting in 2018		9,313,160	10,381,251	69,763	44,572	12,309	0	0	0	0	0	0	0	0	0	
	2015 Savings Persisting in 2019		9,288,744	10,381,252	70,922	44,621	12,228	0	0	0	0	0	0	0	0	0	
	2015 Savings Persisting in 2020		9,251,709	10,354,354	70,505	44,391	12,192	0	0	0	0	0	0	0	0	0	

Note: LDC to make note of assumptions included above

Table 5-b. 2016 Lost Revenues Work Form

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#	Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)								
			2016	2017	2018	2019	2020	2021	2022	2023	2024	2025		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
	Legacy Framework																						
	Residential Program																						
1	Coupon Initiative	Verified																					
	Adjustment to 2016 savings	True-up																					
2	Bi-Annual Retailer Event Initiative	Verified																					
	Adjustment to 2016 savings	True-up																					
3	Appliance Retirement Initiative	Verified																					
	Adjustment to 2016 savings	True-up																					
4	HVAC Incentives Initiative	Verified																					
	Adjustment to 2016 savings	True-up																					
5	Residential New Construction and Major Renovation Initiative	Verified																					
	Adjustment to 2016 savings	True-up																					
	Commercial & Institutional Program																						
6	Energy Audit Initiative	Verified											12										
	Adjustment to 2016 savings	True-up											12										
7	Efficiency: Equipment Replacement Incentive Initiative	Verified											12										
	Adjustment to 2016 savings	True-up											12										
8	Direct Install Lighting and Water Heating Initiative	Verified											12										
	Adjustment to 2016 savings	True-up											12										
9	New Construction and Major Renovation Initiative	Verified											12										
	Adjustment to 2016 savings	True-up											12										
10	Existing Building Commissioning Incentive Initiative	Verified											3										
	Adjustment to 2016 savings	True-up											3										
	Industrial Program																						
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	Verified											12										
	Adjustment to 2016 savings	True-up											12										
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Verified											12										
	Adjustment to 2016 savings	True-up											12										
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative	Verified											12										
	Adjustment to 2016 savings	True-up											12										
	Low Income Program																						
14	Low Income Initiative	Verified											12										
	Adjustment to 2016 savings	True-up											12										
	Other																						
15	Aboriginal Conservation Program	Verified											0										
	Adjustment to 2016 savings	True-up											0										
16	Program Enabled Savings	Verified											0										
	Adjustment to 2016 savings	True-up											0										
	Conservation Fund Pilots																						
17	Conservation Fund Pilot - EnerNOC	Verified											0										
	Adjustment to 2016 savings	True-up											0										
18	Home Depot home Appliance Market uplift Conservation	Verified	2,993	2,993	2,993	2,993	2,993	2,993	2,993	2,993	2,993	2,993	0										
	Adjustment to 2016 savings	True-up											0										
19	Conservation Fund Pilot - SEG	Verified											0										
	Adjustment to 2016 savings	True-up											0										
20	Social Benchmarking Pilot	Verified											0										
	Adjustment to 2016 savings	True-up											0										
	Conservation First Framework																						
	Residential Province-Wide Programs																						
21	Save on Energy Coupon Program	Verified	19,370,627	19,370,627	19,370,627	19,370,627	19,370,627	19,370,627	19,370,627	19,368,117	19,368,117	19,289,639		1,258	1,258	1,258	1,258	1,258	1,258	1,258	1,258	1,258	1,253
	Adjustment to 2016 savings	True-up																					
22	Save on Energy Heating and Cooling Program	Verified	4,246,239	4,246,239	4,246,239	4,246,239	4,246,239	4,246,239	4,246,239	4,246,239	4,246,239	4,246,239		1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,255
	Adjustment to 2016 savings	True-up																					
23	Save on Energy New Construction Program	Verified																					
	Adjustment to 2016 savings	True-up																					
24	Save on Energy Home Assistance Program	Verified	181,241	181,241	181,241	181,241	181,241	181,095	181,095	181,095	181,095	159,165		26	26	26	26	26	25	25	25	25	23
	Adjustment to 2016 savings	True-up																					
	Non-Residential Province-Wide Programs																						
25	Save on Energy Audit Funding Program	Verified	210,282	210,282	210,282	210,282	210,282	210,282	210,282	210,282	210,282	210,282	12	27	27	27	27	27	27	27	27	27	27
	Adjustment to 2016 savings	True-up											12										
26	Save on Energy Retrofit Program	Verified	3,976,883	3,812,817	3,812,817	3,812,817	3,812,817	3,812,817	3,812,817	3,812,817	3,812,817	3,812,817	12	533	510	510	510	510	510	510	510	510	510
	Adjustment to 2016 savings	True-up											12										
27	Save on Energy Retrofit Program - P4P	Verified	27,704,772	27,558,928	27,558,928	27,558,928	27,558,928	27,558,928	27,558,928	27,558,928	26,593,418	26,593,418	12	4,244	4,197	4,197	4,197	4,197	4,197	4,197	4,197	3,990	3,990
	Adjustment to 2016 savings	True-up											12										
	Save on Energy Retrofit Program Streetlight Project - P4P	Verified	13,378,448	13,378,448	13,378,448	13,378,448	13,378,448	13,378,448	13,378,448	13,378,448	10,905,303	10,905,303	12										
	Adjustment to 2016 savings	True-up											12										
28	Save on Energy High Performance New Construction Program	Verified	82,648	82,648	82,648	82,648	82,648	82,648	82,648	82,648	82,648	82,648	12	15	15	15	15	15	15	15	15	15	15
	Adjustment to 2016 savings	True-up											12										
29	Save on Energy Existing Building Commissioning Program	Verified											3										
	Adjustment to 2016 savings	True-up											3										
30	Save on Energy Process & Systems Upgrades Program - P4P	Verified	10,957,531	10,957,531	10,957,531	10,957,531	10,957,531	10,957,531	10,957,531	10,957,531	10,957,531	10,957,531	12	1,596	1,596	1,596	1,596	1,596	1,596	1,596	1,596	1,596	1,596
	Adjustment to 2016 savings	True-up											12										
31	Save on Energy Monitoring & Targeting Program	Verified											12										
	Adjustment to 2016 savings	True-up											12										
32	Save on Energy Energy Manager Program	Verified	388,603	388,603	123,933	123,933	123,933	123,933	123,933	123,933	123,933	123,933	12	53	53	10	10	10	10	10	10	10	10
	Adjustment to 2016 savings	True-up											12										
	Local & Regional Programs																						
33	Business Refrigeration Local Program	Verified											0										
	Adjustment to 2016 savings	True-up											0										
34	First Nation Conservation Local Program	Verified											0										
	Adjustment to 2016 savings	True-up											0										
35	Social Benchmarking Local Program	Verified											0										
	Adjustment to 2016 savings	True-up											0										
	Pilot Programs																						
36	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund	Verified											0										
	Adjustment to 2016 savings	True-up											0										

Rate Allocations for LRAMVA

#	Program	Results Status	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting									Total
			kWh	kWh	kW	kW	kW	kW									
1	Coupon Initiative	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2	Bi-Annual Retailer Event Initiative	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
3	Appliance Retirement Initiative	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
4	HVAC Incentives Initiative	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
5	Residential New Construction and Major Renovation Initiative	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
6	Energy Audit Initiative	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
7	Efficiency: Equipment Replacement Incentive Initiative	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
8	Direct Install Lighting and Water Heating Initiative	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
9	New Construction and Major Renovation Initiative	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
10	Existing Building Commissioning Incentive Initiative	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
14	Low Income Initiative	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
15	Aboriginal Conservation Program	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
16	Program Enabled Savings	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
17	Conservation Fund Pilot - EnerNOC	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
18	Home Depot home Appliance Market uplift Conservation	Verified	100.00%														100%
	Adjustment to 2016 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
19	Conservation Fund Pilot - SEG	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
20	Social Benchmarking Pilot	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
21	Save on Energy Coupon Program	Verified	100.00%														100%
	Adjustment to 2016 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
22	Save on Energy Heating and Cooling Program	Verified	100.00%														100%
	Adjustment to 2016 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
23	Save on Energy New Construction Program	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
24	Save on Energy Home Assistance Program	Verified	100.00%														100%
	Adjustment to 2016 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
25	Save on Energy Audit Funding Program	Verified		16.33%	71.43%	10.20%	2.04%										100%
	Adjustment to 2016 savings	True-up	0.00%	16.33%	71.43%	10.20%	2.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
26	Save on Energy Retrofit Program	Verified		8.57%	38.89%	50.46%	2.08%										100%
	Adjustment to 2016 savings	True-up	0.00%	8.57%	38.89%	50.46%	2.08%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
27	Save on Energy Retrofit Program - P4P	Verified		8.56%	38.82%	50.54%	2.08%										100%
	Adjustment to 2016 savings	True-up	0.00%	8.56%	38.82%	50.54%	2.08%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Save on Energy Retrofit Program Streetlight Project - P4P	Verified						100.00%									100%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
28	Save on Energy High Performance New Construction Program	Verified		3.30%	5.86%	90.84%											100%
	Adjustment to 2016 savings	True-up	0.00%	3.30%	5.86%	90.84%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
29	Save on Energy Existing Building Commissioning Program	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
30	Save on Energy Process & Systems Upgrades Program - P4P	Verified				47.06%	52.94%										100%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	47.06%	52.94%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
31	Save on Energy Monitoring & Targeting Program	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
32	Save on Energy Energy Manager Program	Verified				57.01%	42.99%										100%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	57.01%	42.99%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
33	Business Refrigeration Local Program	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
34	First Nation Conservation Local Program	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
35	Social Benchmarking Local Program	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
36	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund	Verified															0%
	Adjustment to 2016 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

37	EnWin Utilities Ltd. - Building Optimization Pilot	Verified											0																									0%
	Adjustment to 2016 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
38	EnWin Utilities Ltd. - Re-Invest Pilot	Verified											0																									0%
	Adjustment to 2016 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
39	Horizon Utilities Corporation - ECM Furnace Motor Pilot	Verified											0																									0%
	Adjustment to 2016 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
40	Horizon Utilities Corporation - Social Benchmarking Pilot	Verified											0																									0%
	Adjustment to 2016 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
41	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot	Verified											0																									0%
	Adjustment to 2016 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
42	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot	Verified																																				0%
	Adjustment to 2016 savings	True-up																						0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
43	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV	Verified											0																									0%
	Adjustment to 2016 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
44	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agricultural Sector	Verified											0																									0%
	Adjustment to 2016 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
45	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic	Verified											0																									0%
	Adjustment to 2016 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls	Verified											0																									0%
	Adjustment to 2016 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
47	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)	Verified											0																									0%
	Adjustment to 2016 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
48	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)	Verified											0																									0%
	Adjustment to 2016 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
49	Truckload Event Pilot Program	Verified	1,067,232	1,067,232	1,067,232	1,067,232	1,067,232	1,067,232	1,067,232	1,067,232	1,067,232	1,067,232	12	67	67	67	67	67	67	67	67	67	67	100.00%														100%
	Adjustment to 2016 savings	True-up											12											100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Actual CDM Savings in 2016		**81,567,499**	**81,257,589**	**80,992,919**	**80,992,919**	**80,992,919**	**80,992,773**	**80,992,773**	**80,990,263**	**77,551,608**	**77,451,200**		**9,074**	**9,004**	**8,961**	**8,961**	**8,961**	**8,960**	**8,960**	**8,960**	**8,753**	**8,746**	**24,868,332**	**2,749,414**	**22,500**	**38,539**	**11,611**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
	Forecast CDM Savings in 2016																							**35,842,920**	**39,519,293**	**19,284**	**16,135**	**15,417**	**61,001**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	

Distribution Rate in 2016	$0.01123	$0.01220	$4.39010	$2.26610	$2.80530	$11.01050	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	
Lost Revenue in 2016 from 2011 programs	$52,696.49	$151,138.78	$171,332.84	$39,904.94	$1,035.73	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ 416,108.77
Lost Revenue in 2016 from 2012 programs	$40,738.93	$92,233.03	$183,200.39	$42,868.77	$5,175.41	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ 364,216.53
Lost Revenue in 2016 from 2013 programs	$42,344.52	$66,071.74	$172,240.59	$51,395.01	$60,319.52	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ 392,371.38
Lost Revenue in 2016 from 2014 programs	$94,191.38	$116,783.35	$239,290.84	$45,678.63	$14,087.77	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ 510,031.98
Lost Revenue in 2016 from 2015 programs	$104,841.12	$142,957.12	$309,140.59	$104,523.32	$38,449.54	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ 699,911.69
Lost Revenue in 2016 from 2016 programs	$279,354.26	$33,542.85	$98,775.65	$87,332.11	$32,573.56	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ 531,578.43
Total Lost Revenues in 2016	**$614,166.70**	**$602,726.87**	**$1,173,980.89**	**$371,702.78**	**$151,641.54**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$ 2,914,218.78**
Forecast Lost Revenues in 2016	**$402,635.47**	**$482,135.37**	**$84,658.69**	**$36,563.52**	**$43,249.31**	**$671,651.51**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$ 1,720,893.88**
LRAMVA in 2016															**$ 1,193,324.90**
2016 Savings Persisting in 2017	24,868,332	2,722,869	22,173	38,114	11,594	0	0	0	0	0	0	0	0	0	
2016 Savings Persisting in 2018	24,868,332	2,722,869	22,173	37,820	11,372	0	0	0	0	0	0	0	0	0	
2016 Savings Persisting in 2019	24,868,332	2,722,869	22,173	37,820	11,372	0	0	0	0	0	0	0	0	0	
2016 Savings Persisting in 2020	24,868,332	2,722,869	22,173	37,820	11,372	0	0	0	0	0	0	0	0	0	

Note: LDC to make note of assumptions included above

Table 5-c. 2017 Lost Revenues Work Form

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#	Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)								
			2017	2018	2019	2020	2021	2022	2023	2024	2025	2026		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
	Legacy Framework																						
	Residential Program																						
1	Coupon Initiative	Verified																					
	Adjustment to 2017 savings	True-up																					
2	Bi-Annual Retailer Event Initiative	Verified																					
	Adjustment to 2017 savings	True-up																					
3	Appliance Retirement Initiative	Verified																					
	Adjustment to 2017 savings	True-up																					
4	HVAC Incentives Initaitive	Verified																					
	Adjustment to 2017 savings	True-up																					
5	Residential New Construction and Major Renovation Initiative	Verified																					
	Adjustment to 2017 savings	True-up																					
	Commercial & Institutional Program																						
6	Energy Audit Initiative	Verified											12										
	Adjustment to 2017 savings	True-up											12										
7	Efficiency: Equipment Replacement Incentive Initiative	Verified											12										
	Adjustment to 2017 savings	True-up											12										
8	Direct Install Lighting and Water Heating Initiative	Verified											12										
	Adjustment to 2017 savings	True-up											12										
9	New Construction and Major Renovation Initiative	Verified											12										
	Adjustment to 2017 savings	True-up											12										
10	Existing Building Commissioning Incentive Initiative	Verified											3										
	Adjustment to 2017 savings	True-up											3										
	Industrial Program																						
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	Verified											12										
	Adjustment to 2017 savings	True-up											12										
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Verified											12										
	Adjustment to 2017 savings	True-up											12										
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative	Verified											12										
	Adjustment to 2017 savings	True-up											12										
	Low Income Program																						
14	Low Income Initiative	Verified											12										
	Adjustment to 2017 savings	True-up											12										
	Other																						
15	Aboriginal Conservation Program	Verified											0										
	Adjustment to 2017 savings	True-up											0										
16	Program Enabled Savings	Verified											0										
	Adjustment to 2017 savings	True-up											0										
	Conservation Fund Pilots																						
17	Conservation Fund Pilot - EnerNOC	Verified											0										
	Adjustment to 2017 savings	True-up											0										
18	Loblaws Pilot	Verified											0										
	Adjustment to 2017 savings	True-up											0										
19	Conservation Fund Pilot - SEG	Verified											0										
	Adjustment to 2017 savings	True-up											0										
20	Social Benchmarking Pilot	Verified											0										
	Adjustment to 2017 savings	True-up											0										
	Conservation First Framework																						
	Residential Province-Wide Programs																						
21	Save on Energy Coupon Program	Verified	16,174,047											1,090									
	Adjustment to 2017 savings	True-up																					
22	Save on Energy Heating and Cooling Program	Verified	1,647,816											527									
	Adjustment to 2017 savings	True-up																					
23	Save on Energy New Construction Program	Verified	0											0									
	Adjustment to 2017 savings	True-up																					
24	Save on Energy Home Assistance Program	Verified	538,956											222									
	Adjustment to 2017 savings	True-up																					
	Non-Residential Province-Wide Programs																						
25	Save on Energy Audit Funding Program	Verified	663,703										12	87									
	Adjustment to 2017 savings	True-up											12										
26	Save on Energy Retrofit Program	Verified	48,729,605										12	7,309									
	Adjustment to 2017 savings	True-up											12										
27	Save on Energy Small Business Lighting Program	Verified	1,471,873										12	274									
	Adjustment to 2017 savings	True-up											12										
28	Save on Energy High Performance New Construction Program	Verified	1,300,282										12	244									
	Adjustment to 2017 savings	True-up											12										
29	Save on Energy Existing Building Commissioning Program	Verified	0										3	0									
	Adjustment to 2017 savings	True-up											3										
30	Save on Energy Process & Systems Upgrades Program	Verified	300,140										12	45									
	Adjustment to 2017 savings	True-up											12										
31	Save on Energy Monitoring & Targeting Program	Verified	0										12	0									
	Adjustment to 2017 savings	True-up											12										
32	Save on Energy Energy Manager Program	Verified	0										12	0									
	Adjustment to 2017 savings	True-up											12										
	Local & Regional Programs																						
33	Business Refrigeration Local Program	Verified	1,530,922										0	209									
	Adjustment to 2017 savings	True-up											0										
34	First Nation Conservation Local Program	Verified											0										
	Adjustment to 2017 savings	True-up											0										
35	Social Benchmarking Local Program	Verified											0										
	Adjustment to 2017 savings	True-up											0										
	Pilot Programs																						
36	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund	Verified											0										
	Adjustment to 2017 savings	True-up											0										
37	EnWin Utilities Ltd. - Building Optimization Pilot	Verified											0										
	Adjustment to 2017 savings	True-up											0										
38	EnWin Utilities Ltd. - Re-Invest Pilot	Verified											0										
	Adjustment to 2017 savings	True-up											0										

#	Program	Results Status	Rate Allocations for LRAMVA														
			Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting									Total
			kWh	kWh	kW	kW	kW	kW									
	Legacy Framework																
	Residential Program																
1	Coupon Initiative	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2	Bi-Annual Retailer Event Initiative	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
3	Appliance Retirement Initiative	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
4	HVAC Incentives Initaitive	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
5	Residential New Construction and Major Renovation Initiative	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Commercial & Institutional Program																
6	Energy Audit Initiative	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
7	Efficiency: Equipment Replacement Incentive Initiative	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
8	Direct Install Lighting and Water Heating Initiative	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
9	New Construction and Major Renovation Initiative	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
10	Existing Building Commissioning Incentive Initiative	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Industrial Program																
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Low Income Program																
14	Low Income Initiative	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Other																
15	Aboriginal Conservation Program	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
16	Program Enabled Savings	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Conservation Fund Pilots																
17	Conservation Fund Pilot - EnerNOC	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
18	Loblaws Pilot	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
19	Conservation Fund Pilot - SEG	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
20	Social Benchmarking Pilot	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Conservation First Framework																
	Residential Province-Wide Programs																
21	Save on Energy Coupon Program	Verified	100.00%														100%
	Adjustment to 2017 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
22	Save on Energy Heating and Cooling Program	Verified	100.00%														100%
	Adjustment to 2017 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
23	Save on Energy New Construction Program	Verified	100.00%														100%
	Adjustment to 2017 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
24	Save on Energy Home Assistance Program	Verified	100.00%														100%
	Adjustment to 2017 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Non-Residential Province-Wide Programs																
25	Save on Energy Audit Funding Program	Verified		16.33%	71.43%	10.20%	2.04%										100%
	Adjustment to 2017 savings	True-up	0.00%	16.33%	71.43%	10.20%	2.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
26	Save on Energy Retrofit Program	Verified		6.84%	31.03%	60.00%	2.13%										100%
	Adjustment to 2017 savings	True-up	0.00%	6.84%	31.03%	60.00%	2.13%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
27	Save on Energy Small Business Lighting Program	Verified		80.00%	20.00%												100%
	Adjustment to 2017 savings	True-up	0.00%	80.00%	20.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
28	Save on Energy High Performance New Construction Program	Verified		3.30%	5.86%	90.84%											100%
	Adjustment to 2017 savings	True-up	0.00%	3.30%	5.86%	90.84%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
29	Save on Energy Existing Building Commissioning Program	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
30	Save on Energy Process & Systems Upgrades Program	Verified				47.06%	52.94%										100%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	47.06%	52.94%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
31	Save on Energy Monitoring & Targeting Program	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
32	Save on Energy Energy Manager Program	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Local & Regional Programs																
33	Business Refrigeration Local Program	Verified		86.00%	14.00%												100%
	Adjustment to 2017 savings	True-up	0.00%	86.00%	14.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
34	First Nation Conservation Local Program	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
35	Social Benchmarking Local Program	Verified	100.00%														100%
	Adjustment to 2017 savings	True-up	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Pilot Programs																
36	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
37	EnWin Utilities Ltd. - Building Optimization Pilot	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
38	EnWin Utilities Ltd. - Re-Invest Pilot	Verified															0%
	Adjustment to 2017 savings	True-up	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

39	Horizon Utilities Corporation - ECM Furnace Motor Pilot	Verified											0																									0%
	Adjustment to 2017 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
40	Horizon Utilities Corporation - Social Benchmarking Pilot	Verified											0																									0%
	Adjustment to 2017 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
41	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot	Verified											0																									0%
	Adjustment to 2017 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
42	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot	Verified																																				0%
	Adjustment to 2017 savings	True-up																						0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
43	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV	Verified											0																									0%
	Adjustment to 2017 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
44	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agricultural Sector	Verified											0																									0%
	Adjustment to 2017 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
45	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic	Verified											0																									0%
	Adjustment to 2017 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls	Verified											0																									0%
	Adjustment to 2017 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
47	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)	Verified											0																									0%
	Adjustment to 2017 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
48	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)	Verified											0																									0%
	Adjustment to 2017 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
49	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)	Verified											0																									0%
	Adjustment to 2017 savings	True-up											0											0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Actual CDM Savings in 2017		**72,357,344**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**		**10,007**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**18,360,819**	**5,977,007**	**28,794**	**55,645**	**2,174**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
	Forecast CDM Savings in 2017																							**35,842,920**	**39,519,293**	**19,284**	**16,135**	**15,417**	**61,001**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
	Distribution Rate in 2017																							$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	
	Lost Revenue in 2017 from 2011 programs																							$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$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	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
	Lost Revenue in 2017 from 2013 programs																							$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
	Lost Revenue in 2017 from 2014 programs																							$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
	Lost Revenue in 2017 from 2015 programs																							$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
	Lost Revenue in 2017 from 2016 programs																							$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
	Lost Revenue in 2017 from 2017 programs																							$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
	Total Lost Revenues in 2017																							**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$ -**
	Forecast Lost Revenues in 2017																							**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$ -**
	LRAMVA in 2017																																					**$ -**
	2017 Savings Persisting in 2018																							0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2017 Savings Persisting in 2019																							0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2017 Savings Persisting in 2020																							0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Note: LDC to make note of assumptions included above

Table 5-d. 2018 Lost Revenues Work Form Return to top Go to Persistence Report

Program	Results Status	Net Energy Savings (kWh) 2018	Net Energy Savings Persistence (kWh) 2019	2020	2021	2022	2023	2024	2025	2026	2027	Monthly Multiplier	Net Demand Savings (kW) 2018	Net Peak Demand Savings Persistence (kW) 2019	2020	2021	2022	2023	2024	2025	2026	2027
Legacy Framework																						
Actual CDM Savings in 2018		0											0									
Forecast CDM Savings in 2018																						

Program	Rate Allocations for LRAMVA: Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting									Total
Legacy Framework	kWh	kWh	kW	kW	kW	kW									
Actual CDM Savings in 2018	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
Forecast CDM Savings in 2018	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
Distribution Rate in 2018	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	
Lost Revenue in 2018 from 2011 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2018 from 2012 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2018 from 2013 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2018 from 2014 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2018 from 2015 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2018 from 2016 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2018 from 2017 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2018 from 2018 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Total Lost Revenues in 2018	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$ -**
Forecast Lost Revenues in 2018	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$ -**
LRAMVA in 2018															**$ -**
2018 Savings Persisting in 2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2018 Savings Persisting in 2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Note: LDC to make note of assumptions included above

Table 5-e. 2019 Lost Revenues Work Form Return to top Go to Persistence Report

Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)								
		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Legacy Framework																						
Actual CDM Savings in 2019		0											0									
Forecast CDM Savings in 2019																						

Program	Rate Allocations for LRAMVA														
	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting									Total
Legacy Framework	kWh	kWh	kW	kW	kW	kW									
Actual CDM Savings in 2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Forecast CDM Savings in 2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Distribution Rate in 2019	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	
Lost Revenue in 2019 from 2011 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2019 from 2012 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2019 from 2013 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2019 from 2014 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2019 from 2015 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2019 from 2016 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2019 from 2017 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2019 from 2018 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2019 from 2019 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Total Lost Revenues in 2019	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$ -**
Forecast Lost Revenues in 2019	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$ -**
LRAMVA in 2019															**$ -**
2019 Savings Persisting in 2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Note: LDC to make note of assumptions included above

Table 5-f. 2020 Lost Revenues Work Form Return to top Go to Persistence Report

Program	Results Status	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)								
		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Legacy Framework																						
Actual CDM Savings in 2020		0											0									
Forecast CDM Savings in 2020																						

Program	Rate Allocations for LRAMVA														
	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting									Total
Legacy Framework	kWh	kWh	kW	kW	kW	kW									
Actual CDM Savings in 2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Forecast CDM Savings in 2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Distribution Rate in 2020	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	$0.00000	
Lost Revenue in 2020 from 2011 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2020 from 2012 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2020 from 2013 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2020 from 2014 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2020 from 2015 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2020 from 2016 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2020 from 2017 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2020 from 2018 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2020 from 2019 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Lost Revenue in 2020 from 2020 programs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
Total Lost Revenues in 2020	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$ -**
Forecast Lost Revenues in 2020	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$ -**
LRAMVA in 2020															**$ -**

Note: LDC to make note of assumptions included above

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Ontario Energy Board

LRAMVA Work Form:
Carrying Charges by Rate Class

Version 2.0 (2017)

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. The quarterly interest rates are used to calculate the carrying charges for LRAMVA. Starting from column I, the principle will auto-populate as monthly variances in Table 6-a, and are multiplied by the interest rates 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%
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	1.89%
2019 Q1	
2019 Q2	
2019 Q3	
2019 Q4	
2020 Q1	
2020 Q2	
2020 Q3	
2020 Q4	

Check OEB website

Table 6-a. Calculation of Carrying Costs by Rate Class

Go to Tab 1: Summary

Month	Period	Quarter	Monthly Rate	Residential	GS<50 kW	General Service 50 to 499 kW	General Service 500 to 4,999 kW	Large Use	Street Lighting									Total
Jan-11	2011	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Feb-11	2011	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Mar-11	2011	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Apr-11	2011	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
May-11	2011	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jun-11	2011	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jul-11	2011	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Aug-11	2011	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Sep-11	2011	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Oct-11	2011	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Nov-11	2011	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Dec-11	2011	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total for 2011				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Amount Cleared																		
Opening Balance for 2012				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Jan-12	2011-2012	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Feb-12	2011-2012	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Mar-12	2011-2012	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Apr-12	2011-2012	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
May-12	2011-2012	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jun-12	2011-2012	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jul-12	2011-2012	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Aug-12	2011-2012	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Sep-12	2011-2012	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Oct-12	2011-2012	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Nov-12	2011-2012	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Dec-12	2011-2012	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total for 2012				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Amount Cleared																		
Opening Balance for 2013				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Jan-13	2011-2013	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Feb-13	2011-2013	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Mar-13	2011-2013	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Apr-13	2011-2013	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
May-13	2011-2013	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jun-13	2011-2013	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jul-13	2011-2013	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Aug-13	2011-2013	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Sep-13	2011-2013	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Oct-13	2011-2013	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Nov-13	2011-2013	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Dec-13	2011-2013	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total for 2013				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Amount Cleared																		
Opening Balance for 2014				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Jan-14	2011-2014	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Feb-14	2011-2014	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Mar-14	2011-2014	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Apr-14	2011-2014	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
May-14	2011-2014	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jun-14	2011-2014	Q2	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jul-14	2011-2014	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Aug-14	2011-2014	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Sep-14	2011-2014	Q3	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Oct-14	2011-2014	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Nov-14	2011-2014	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Dec-14	2011-2014	Q4	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total for 2014				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Amount Cleared																		
Opening Balance for 2015				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Jan-15	2011-2015	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Feb-15	2011-2015	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Mar-15	2011-2015	Q1	0.12%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Apr-15	2011-2015	Q2	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
May-15	2011-2015	Q2	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jun-15	2011-2015	Q2	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jul-15	2011-2015	Q3	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Aug-15	2011-2015	Q3	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Sep-15	2011-2015	Q3	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Oct-15	2011-2015	Q4	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Nov-15	2011-2015	Q4	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Dec-15	2011-2015	Q4	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total for 2015				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Amount Cleared																		
Opening Balance for 2016				**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Jan-16	2011-2016	Q1	0.09%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Feb-16	2011-2016	Q1	0.09%	$16.16	$9.21	$83.21	$25.60	$8.28	-$11.54	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$130.93
Mar-16	2011-2016	Q1	0.09%	$32.32	$18.42	$166.42	$51.20	$16.56	-$23.08	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$261.85
Apr-16	2011-2016	Q2	0.09%	$48.48	$27.64	$249.64	$76.80	$24.84	-$34.62	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$392.78
May-16	2011-2016	Q2	0.09%	$64.63	$36.85	$332.85	$102.40	$33.12	-$46.15	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$523.70
Jun-16	2011-2016	Q2	0.09%	$80.79	$46.06	$416.06	$128.00	$41.40	-$57.69	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$654.63
Jul-16	2011-2016	Q3	0.09%	$96.95	$55.27	$499.27	$153.61	$49.68	-$69.23	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$785.55
Aug-16	2011-2016	Q3	0.09%	$113.11	$64.48	$582.48	$179.21	$57.96	-$80.77	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$916.48
Sep-16	2011-2016	Q3	0.09%	$129.27	$73.69	$665.70	$204.81	$66.24	-$92.31	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,047.40
Oct-16	2011-2016	Q4	0.09%	$145.43	$82.91	$748.91	$230.41	$74.52	-$103.85	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,178.33
Nov-16	2011-2016	Q4	0.09%	$161.59	$92.12	$832.12	$256.01	$82.80	-$115.38	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,309.25
Dec-16	2011-2016	Q4	0.09%	$177.74	$101.33	$915.33	$281.61	$91.08	-$126.92	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,440.18
Total for 2016				**$1,066.47**	**$607.98**	**$5,492.00**	**$1,689.66**	**$546.48**	**-$761.53**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$8,641.06**
Amount Cleared																		
Opening Balance for 2017				**$1,066.47**	**$607.98**	**$5,492.00**	**$1,689.66**	**$546.48**	**-$761.53**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$8,641.06**
Jan-17	2011-2017	Q1	0.09%	$193.90	$110.54	$998.55	$307.21	$99.36	-$138.46	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,571.10
Feb-17	2011-2017	Q1	0.09%	$193.90	$110.54	$998.55	$307.21	$99.36	-$138.46	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,571.10
Mar-17	2011-2017	Q1	0.09%	$193.90	$110.54	$998.55	$307.21	$99.36	-$138.46	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,571.10
Apr-17	2011-2017	Q2	0.09%	$193.90	$110.54	$998.55	$307.21	$99.36	-$138.46	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,571.10
May-17	2011-2017	Q2	0.09%	$193.90	$110.54	$998.55	$307.21	$99.36	-$138.46	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,571.10
Jun-17	2011-2017	Q2	0.09%	$193.90	$110.54	$998.55	$307.21	$99.36	-$138.46	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,571.10
Jul-17	2011-2017	Q3	0.09%	$193.90	$110.54	$998.55	$307.21	$99.36	-$138.46	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,571.10
Aug-17	2011-2017	Q3	0.09%	$193.90	$110.54	$998.55	$307.21	$99.36	-$138.46	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,571.10
Sep-17	2011-2017	Q3	0.09%	$193.90	$110.54	$998.55	$307.21	$99.36	-$138.46	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,571.10
Oct-17	2011-2017	Q4	0.13%	$264.41	$150.74	$1,361.65	$418.92	$135.49	-$188.81	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,142.41
Nov-17	2011-2017	Q4	0.13%	$264.41	$150.74	$1,361.65	$418.92	$135.49	-$188.81	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,142.41
Dec-17	2011-2017	Q4	0.13%	$264.41	$150.74	$1,361.65	$418.92	$135.49	-$188.81	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,142.41
Total for 2017				**$3,604.84**	**$2,055.08**	**$18,563.87**	**$5,711.33**	**$1,847.18**	**-$2,574.10**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$29,208.21**
Amount Cleared																		
Opening Balance for 2018				**$3,604.84**	**$2,055.08**	**$18,563.87**	**$5,711.33**	**$1,847.18**	**-$2,574.10**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$29,208.21**
Jan-18	2011-2018	Q1	0.13%	$264.41	$150.74	$1,361.65	$418.92	$135.49	-$188.81	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,142.41
Feb-18	2011-2018	Q1	0.13%	$264.41	$150.74	$1,361.65	$418.92	$135.49	-$188.81	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,142.41
Mar-18	2011-2018	Q1	0.13%	$264.41	$150.74	$1,361.65	$418.92	$135.49	-$188.81	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,142.41
Apr-18	2011-2018	Q2	0.16%	$333.16	$189.93	$1,715.68	$527.84	$170.72	-$237.90	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,699.44
May-18	2011-2018	Q2	0.16%	$333.16	$189.93	$1,715.68	$527.84	$170.72	-$237.90	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,699.44
Jun-18	2011-2018	Q2	0.16%	$333.16	$189.93	$1,715.68	$527.84	$170.72	-$237.90	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,699.44
Jul-18	2011-2018	Q3	0.16%	$333.16	$189.93	$1,715.68	$527.84	$170.72	-$237.90	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,699.44
Aug-18	2011-2018	Q3	0.16%	$333.16	$189.93	$1,715.68	$527.84	$170.72	-$237.90	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,699.44
Sep-18	2011-2018	Q3	0.16%	$333.16	$189.93	$1,715.68	$527.84	$170.72	-$237.90	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,699.44
Oct-18	2011-2018	Q4	0.16%	$333.16	$189.93	$1,715.68	$527.84	$170.72	-$237.90	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,699.44
Nov-18	2011-2018	Q4	0.16%	$333.16	$189.93	$1,715.68	$527.84	$170.72	-$237.90	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,699.44
Dec-18	2011-2018	Q4	0.16%	$333.16	$189.93	$1,715.68	$527.84	$170.72	-$237.90	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,699.44
Total for 2018				**$7,396.54**	**$4,216.68**	**$38,089.97**	**$11,718.70**	**$3,790.11**	**-$5,281.62**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$59,930.38**
Amount Cleared																		
Opening Balance for 2019				**$7,396.54**	**$4,216.68**	**$38,089.97**	**$11,718.70**	**$3,790.11**	**-$5,281.62**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$59,930.38**
Jan-19	2011-2019	Q1	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Feb-19	2011-2019	Q1	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Mar-19	2011-2019	Q1	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Apr-19	2011-2019	Q2	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
May-19	2011-2019	Q2	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jun-19	2011-2019	Q2	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Jul-19	2011-2019	Q3	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Aug-19	2011-2019	Q3	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Sep-19	2011-2019	Q3	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Oct-19	2011-2019	Q4	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Nov-19	2011-2019	Q4	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Dec-19	2011-2019	Q4	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total for 2019				**$7,396.54**	**$4,216.68**	**$38,089.97**	**$11,718.70**	**$3,790.11**	**-$5,281.62**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$59,930.38**
Amount Cleared																		
Opening Balance for 2020				**$7,396.54**	**$4,216.68**	**$38,089.97**	**$11,718.70**	**$3,790.11**	**-$5,281.62**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$59,930.38**
Jan-20	2011-2020	Q1	0.00%	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$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	$0.00	$0.00	$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	$0.00	$0.00	$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	$0.00	$0.00	$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	$0.00	$0.00	$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	$0.00	$0.00	$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	$0.00	$0.00	$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	$0.00	$0.00	$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	$0.00	$0.00	$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	$0.00	$0.00	$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	$0.00	$0.00	$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	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Total for 2020				**$7,396.54**	**$4,216.68**	**$38,089.97**	**$11,718.70**	**$3,790.11**	**-$5,281.62**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$59,930.38**
Amount Cleared																		

Ontario Energy Board

Supporting Documentation: LDC Persistence Savings Results from IESO

Version 2.0 (2017)

Legend | Instructions (Grey)

Supporting Documentation

The following tabs 7-a to 7-j must be populated with the verified savings results from the IESO's (or former OPA's) persistence reports.
The persistence data tabs have been structured in a way to match the formatting of the persistence report provided by the IESO.

Ontario Energy Board

Supporting Documentation:
2011 LDC Persistence Savings Results from IESO

Legend: User Inputs (Green) | Instructions (Grey)

Table 7-a. 2011 Persisting Savings

Go to Tab 4.

1. LDC's are requested to paste a copy of the 2011 "LDC CDM Program Results Persistence Report" in the space below as it relates to the calculation of LRAMVA
2. Please ensure that verified adjustments to 2011 programs that become available in future evaluation audits are included in the 2011 form below

#	Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Tx (Transmission) or Dx (Distribution) Connected	Status	Notes	Activity Unit Name	Activity / Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (kW)	Gross Energy Savings (kWh)
1	Tier 1	Consumer	Appliance Exchange	Energy	Residen	EE	2011		Final; Released A		Applian	98	19	22,010
2	Tier 1	Consumer	Appliance Retirement	Energy	Residen	EE	2011		Final; Released A		Applian	2,062	233	1,711,574
3	Tier 1	Consumer	Bi-Annual Retailer Event	Energy	Residen	EE	2011		Final; Released A		Products	34,173	59	1,056,196
4	Tier 1	Consumer	Conservation Instant Coupon Booklet	Energy	Residen	EE	2011		Final; Released A		Products	20,386	42	692,278
5	Tier 1	Consumer	HVAC Incentives	Energy	Residen	EE	2011		Final; Released A		Installa	7,261	3,301	6,033,153
6	Tier 1	Consumer	Residential Demand Response	Energy	Residen	DR	2011		Final; R	New nar	Devices	533	298	773
7	Tier 1	Consumer	Retailer Co-op	Energy	Residen	EE	2011		Final; R	Custom	Products	5	0	129
8	Tier 1	Business	Demand Response 3 (part of the Industrial program schedule)	Energy	Commer	DR	2011		Final; R	Gross m	Facilitie	10	2,373	70,271
9	Tier 1	Business	Direct Install Lighting	Energy	Commer	EE	2011		Final; Released A		Projects	3,407	3,137	9,136,175
10	Tier 1	Business	Retrofit	Energy	Commer	EE	2011		Final; Released A		Projects	198	3,113	16,278,798
11	Tier 1	Industrial	Demand Response 3	Energy	Industri	DR	2011		Final; R	Gross m	Facilitie	8	3,840	189,961
12	Tier 1	Industrial	Retrofit	Energy	Industri	EE	2011		Final; Released A		Projects	32	594	2,652,721
13	Tier 1	Pre-2011 P	Electricity Retrofit Incentive Program	Energy	Commer	EE	2011		Final; R	Not avail	Projects	185	4,087	23,397,458
14	Tier 1	Pre-2011 P	High Performance New Construction	Energy	Commer	EE	2011		Final; R	Not avail	Projects	4	323	1,657,947
15	Tier 1	Pre-2011 P	Multifamily Energy Efficiency Rebates	Energy	Commer	EE	2011		Final; R	Not avail	Projects	2	0	462
etc.														

Net Verified Annual Peak Demand Savings at the End-User Level (kW)

#	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
1	10	10	10	3		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	110	110	110	109	81	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	66	66	66	66	61	56	46	45	55	26	4	4	4	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	47	47	47	47	44	41	35	34	40	23	3	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,995	1,577	-	-	-	-	-	-	-	-	-	-	-
6	298					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	1,800					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	3,359	3,359	3,274	2,887	2,887	2,867	415	407	407	407	371	371	18	18	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	2,236	2,236	2,236	2,236	2,236	2,236	2,236	2,236	1,733	1,733	411	411	411	411	411	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	3,236					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	422	422	422	422	422	422	422	422	402	402	129	129	129	129	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	96	96	96	96	96	96	96	96	96	96	96	-	-	-	-
15	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Net Verified Annual Energy Savings at the End-User Level (kWh)

#	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
1	11,343	11,343	11,343	5,414	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	812,064	812,064	812,064	811,350	618,340	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	1,153,895	1,153,895	1,153,895	1,153,895	1,054,575	946,072	713,278	710,676	918,499	294,738	106,126	93,420	93,420	68,994	68,994	62,689	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	763,430	763,430	763,430	763,430	702,240	635,393	498,237	495,051	623,089	238,796	75,884	61,290	61,290	56,171	56,171	54,539	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,614,070	3,240,132	-	-	-	-	-	-	-	-	-	-	-
6	773	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	87	87	87	87	87	87	49	49	49	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	70,271	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	8,483,296	8,481,220	8,234,295	7,110,797	7,110,797	7,065,244	1,115,244	1,109,301	1,109,301	1,109,301	873,450	873,450	13,492	13,492	13,492	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	12,075,272	12,075,272	12,075,272	12,075,272	12,075,272	12,075,272	12,075,272	12,075,272	9,675,568	9,675,568	2,679,785	2,679,785	2,679,785	2,679,785	2,679,785	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	189,961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	1,994,497	1,994,497	1,994,497	1,994,497	1,994,497	1,994,497	1,994,497	1,994,497	1,932,922	1,932,922	188,877	188,877	188,877	188,877	188,877	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	12,349,671	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	828,974	828,974	828,974	828,974	828,974	828,974	828,974	828,974	828,974	828,974	828,974	828,974	828,974	828,974	828,974	494,260	494,260	494,260	494,260	494,260	494,260	494,260	494,260	494,260	494,260	494,260	-	-	-	-
15	314	314	314	314	314	314	314	314	314	314	314	314	314	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Ontario Energy Board

Supporting Documentat
2012 LDC Persistence Savings Resu

Legend	
	User Inputs (Green)
	Instructions (Grey)

Table 7-b. 2012 Persisting Savings

Go to Tab 4.

1. LDCs are requested to paste a copy of the 2012 "LDC CDM Program Results Persistence Report" in the space below as it relates to the calculation of LRAMVA.

2. Please ensure that verified adjustments to 2012 programs that become available in future evaluation audits are included in the 2012 form below.

	#	Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Tx (Transmission) or Dx (Distribution) Connected	Status	Notes	Activity Unit Name	Activity / Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (kW)	Gross Energy Savings (kWh)
	1	Tier 1	Business	Direct Install Lighting	Enersourc	C&I	EE	2012		Final; Released Augu		Projects	1,556	64	115,551
	2	Tier 1	Business	Retrofit	Enersourc	C&I	EE	2012		Final; Released Augu		Projects	359	6,027	32,442,207
	3	Tier 1	Business	Energy Audit	Enersourc	C&I	EE	2012		Final; Released Augu		Audits	37	255	372,632
	4	Tier 1	Business	High Performance New Construction	Enersourc	C&I	EE	2012		Final; Released Augu		Projects	1	128	32,229
	5	Tier 1	Consumer	Appliance Exchange	Enersourc	Residenti	EE	2012		Final; Released Augu		Appliance	118	23	58,856
	6	Tier 1	Consumer	Appliance Retirement	Enersourc	Residenti	EE	2012		Final; Released Augu		Appliance	1,075	79	916,136
	7	Tier 1	Consumer	Bi-Annual Retailer Event	Enersourc	Residenti	EE	2012		Final; Released Augu		Products	41,656	77	1,147,401
	8	Tier 1	Consumer	Conservation Instant Coupon Booklet	Enersourc	Residenti	EE	2012		Final; Released Augu		Products	1,213	12	54,900
	9	Tier 1	Consumer	HVAC Incentives	Enersourc	Residenti	EE	2012		Final; Released Augu		Installatio	5,640	1,599	4,840,488
	10	Tier 1	Consumer	Residential Demand Response	Enersourc	Residenti	DR	2012		Final; Released Augu		Devices	2,742	1,679	10,075
	11	Tier 1	Home Assistanc	Home Assistance Program	Enersourc	Residenti	EE	2012		Final; Released Augu		Projects	246	53	(47,679)
	12	Tier 1	Industrial	Demand Response 3	Enersourc	Industrial	DR	2012		Final; Released Augu		Facilities	10	4,881	(58,400)
	13	Tier 1	Pre-2011 Progra	High Performance New Construction	Enersourc	C&I	EE	2012		Final; Released Augu		Projects	5	251	836,260
	14	Tier 1	Business	Demand Response 3 (part of the Industrial program schedule)	Enersourc	C&I	DR	2012		Final; Released Augu		Facilities	12	2,888	31,557
	15	Tier 1	Industrial	Energy Manager	Enersourc	Industrial	EE	2012		Final; Released August 31, 201			1	3	19,155
Informati	16	Non-Tier 1	Consumer	Residential and Small Commercial Demand Response	Enersourc	Residenti	DR	2012		Final; Released Augu		Devices	3	2	11
Informati	17	Non-Tier 1	Consumer	Residential and Small Commercial Demand Response	Enersourc	Residenti	DR	2012		Final; Released Augu		Devices	9,293	5,691	34,146
Informati	18	Non-Tier 1	Industrial	Demand Response 3	Enersourc	Industrial	DR	2012		Final; Released Augu		Facilities	22	20,765	376,265
Informati	19	Non-Tier 1	Business	Residential and Small Commercial Demand Response	Enersourc	Business	DR	2012		Final; Released Augu		Devices	7	6	25
Informati	20	Non-Tier 1	Business	Demand Response 3	Enersourc	Business	DR	2012		Final; Released Augu		Facilities	4	271	2,963
	21	Tier 1 - 2011 Adjustment	Business	Retrofit	Enersourc	C&I	EE	2011		Final; Released Augu		Projects	42	617	2,278,457
	22	Tier 1 - 2011 Adjustment	Business	Direct Install Lighting	Enersourc	C&I	EE	2011		Final; Released Augu		Projects	43	58	133,740
	23	Tier 1 - 2011 Adjustment	Business	Energy Audit	Enersourc	C&I	EE	2011		Final; Released Augu		Projects	9	47	226,586
	24	Tier 1 - 2011 Adjustment	Pre-2011 Progra	High Performance New Construction	Enersourc	C&I	EE	2011		Final; Released Augu		Buildings	1	180	187,365
	25	Tier 1 - 2011 Adjustment	Consumer	HVAC Incentives	Enersourc	Residenti	EE	2011		Final; Released Augu		Installatio	(1,208)	(787)	(1,424,169)
	26	Tier 1 - 2011 Adjustment	Consumer	Bi-Annual Retailer Event	Enersourc	Residenti	EE	2011		Final; Released Augu		Products	3,213	5	93,200
	27	Tier 1 - 2011 Adjustment	Consumer	Conservation Instant Coupon Booklet	Enersourc	Residenti	EE	2011		Final; Released Augu		Products	323	1	10,051
	etc.														

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ults from IESO

Net Verified Annual Peak Demand Savings at the End-User Level (kW)

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
-	1,340	1,340	1,294	1,093	1,093	241	241	233	233	233	221	221	16	16	16	-
-	4,531	4,500	4,452	4,392	4,392	4,118	4,020	4,020	3,671	2,361	2,317	2,317	810	640	640	176
-	192	192	192	192	-	-	-	-	-	-	-	-	-	-	-	-
-	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	-
-	17	17	17	17	-	-	-	-	-	-	-	-	-	-	-	-
-	59	59	59	58	36	-	-	-	-	-	-	-	-	-	-	-
-	58	58	58	58	53	45	34	34	34	22	8	8	8	8	8	8
-	9	9	9	9	9	9	8	8	8	8	0	0	0	0	0	0
-	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202
-	1,262	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	40	38	38	38	38	38	38	38	32	31	31	31	29	29	25	24
-	3,670	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	189	189	189	189	189	189	189	189	189	189	189	189	-	-	-	-
-	2,171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	4,279	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	15,613	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
464	464	464	464	464	419	348	182	175	175	172	138	87	87	87	26	4
53	53	53	44	44	44	4	4	4	4	4	4	-	-	-	-	-
47	47	47	47	47	-	-	-	-	-	-	-	-	-	-	-	-
90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	-	-
(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)	(328)
4	4	4	4	4	4	2	2	2	1	0	0	0	0	0	0	-
1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	-

2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-	-	-
137	137	137	137	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
2	2	2	2	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
1,202	1,202	909	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
24	24	24	24	0	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
3	3	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
4	4	4	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
(328)	(258)	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

Net Verified Annual Energy Savings at the End-User Level (kWh)

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
-	4,890,220	4,890,180	4,693,914	3,837,661	3,837,428	853,403	853,403	845,458	845,458
-	24,392,637	24,288,756	24,131,826	23,935,785	23,935,785	23,037,690	22,455,199	22,455,199	21,163,793
-	931,521	931,521	931,521	931,521	-	-	-	-	-
-	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001
-	30,332	30,332	30,332	29,954	-	-	-	-	-
-	430,436	430,436	430,436	429,719	276,505	-	-	-	-
-	1,051,579	1,051,579	1,051,579	1,051,579	945,302	768,666	524,309	523,219	523,219
-	54,900	54,900	54,900	54,900	54,075	54,075	25,464	25,323	25,323
-	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291
-	10,075	-	-	-	-	-	-	-	-
-	261,837	261,837	261,837	236,273	235,659	235,659	228,576	227,170	109,776
-	88,449	-	-	-	-	-	-	-	-
-	418,130	418,130	418,130	418,130	418,130	418,130	418,130	418,130	418,130
-	31,557	-	-	-	-	-	-	-	-
-	17,296	17,296	17,296	17,296	17,296	17,296	17,296	17,296	17,296
-	11	-	-	-	-	-	-	-	-
-	34,146	-	-	-	-	-	-	-	-
-	376,265	-	-	-	-	-	-	-	-
-	25	-	-	-	-	-	-	-	-
-	2,963	-	-	-	-	-	-	-	-
1,702,657	1,702,657	1,702,657	1,702,657	1,702,657	1,530,308	1,276,471	756,134	726,513	726,513
124,183	124,183	123,614	103,162	103,162	102,817	11,875	11,875	11,875	11,875
226,586	226,586	226,586	226,586	226,586	-	-	-	-	-
93,683	93,683	93,683	93,683	93,683	93,683	93,683	93,683	93,683	93,683
(593,233)	(593,233)	(593,233)	(593,233)	(593,233)	(593,233)	(593,233)	(593,233)	(593,233)	(593,233)
85,731	85,731	85,731	85,731	85,731	77,904	42,060	42,051	42,051	9,277
10,824	10,824	10,824	10,824	10,824	9,889	6,067	6,059	6,059	2,146

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
845,458	726,395	726,395	16,391	16,391	16,391	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13,698,164	12,836,678	12,737,200	3,822,451	3,263,749	3,263,749	428,146	365,474	365,474	365,474	365,474	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
247,001	247,001	247,001	247,001	247,001	247,001	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
265,755	197,225	191,096	191,096	177,754	177,754	175,323	49,192	49,192	49,192	49,192	-	-	-	-	-	-	-	-	-
25,323	4,113	3,312	3,312	2,846	2,846	2,741	-	-	-	-	-	-	-	-	-	-	-	-	-
2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	1,753,822	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
109,119	104,420	104,420	99,283	99,283	64,858	64,022	64,022	64,022	64,022	64,022	3,165	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
418,130	418,130	418,130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17,296	17,296	17,296	17,296	17,296	17,296	17,296	17,296	17,296	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
690,550	593,305	273,973	273,973	273,973	236,314	14,159	14,159	14,159	14,159	-	-	-	-	-	-	-	-	-	-
9,420	9,420	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
93,683	93,683	93,683	93,683	93,683	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(593,233)	(593,233)	(593,233)	(593,233)	(593,233)	(593,233)	(593,233)	(593,233)	(531,205)	-	-	-	-	-	-	-	-	-	-	-
7,794	7,157	7,157	5,939	5,939	5,932	-	-	-	-	-	-	-	-	-	-	-	-	-	-
969	705	705	633	633	627	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Ontario Energy Board

Supporting
2013 LDC Persistenc

Legend	
	User Inputs (Green)
	Instructions (Grey)

Table 7-c. 2013 Persisting Savings

Go to Tab 4.

1. LDCs are requested to paste a copy of the 2013 "LDC CDM Program Results Persistence Report" in the space below as it relates to the calculation of LRAMVA.

2. Please ensure that verified adjustments to 2013 programs that become available in future evaluation audits are included in the 2013 form below.

	#	Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Tx (Transmission) or Dx (Distribution) Connected	Status	Notes	Activity Unit Name	Activity / Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (kW)	Gross Energy Savings (kWh)
	1	LDC	Business	Energy Audit Funding	Enersourc	Commerc	EE	2012	Dx		N/A	Audit	9	47	226,586
	2	LDC	Business	Energy Audit Funding	Enersourc	Commerc	EE	2013	Dx		N/A	Audit	11	148	806,418
	3	LDC	Business	DR-3	Enersourc	Commerc	DR	2013	Dx		N/A	Facilities	7	-	-
	4	LDC	Business	Retrofit	Enersourc	Commerc	EE	2012	Dx		N/A	Projects	40	567	5,250,452
	5	LDC	Business	Retrofit	Enersourc	Commerc	EE	2013	Dx		N/A	Projects	547	5,817	31,277,603
	6	LDC	Business	Small Business Lighting	Enersourc	Commerc	EE	2012	Dx		N/A	Projects	2	4	17,773
	7	LDC	Business	Small Business Lighting	Enersourc	Commerc	EE	2013	Dx		N/A	Projects	1248	1,263	4,147,308
	8	LDC	Consumer	Annual Coupons	Enersourc	Residentia	EE	2013	Dx		Custom lo	measures	13621	18	268,660
	9	LDC	Consumer	Appliance Exchange	Enersourc	Residentia	EE	2013	Dx		Dehumidi	Appliance	89	35	62,470
	10	LDC	Consumer	Appliance Retirement	Enersourc	Residentia	EE	2013	Dx		N/A	Appliance	575	79	524,800
	11	LDC	Consumer	Bi-Annual Retailer Events	Enersourc	Residentia	EE	2013	Dx		Custom lo	measures	37096	45	645,567
	12	LDC	Consumer	Home Assistance Program	Enersourc	Residentia	EE	2013	Dx		N/A	Projects C	240	20	198,590
	13	LDC	Consumer	HVAC	Enersourc	Residentia	EE	2013	Dx		Blended L	Equipmen	6174	2,655	4,620,192
	14	LDC	Consumer	HVAC	Enersourc	Residentia	EE	2011	Dx		Blended L	Equipmen	2	1	1,488
	15	LDC	Consumer	HVAC	Enersourc	Residentia	EE	2012	Dx		Blended L	Equipmen	140	61	105,147
	16	LDC	Consumer	peaksaverPLUS	Enersourc	Residentia	DR	2006	Dx		N/A	Devices	33	-	-
	17	LDC	Consumer	peaksaverPLUS	Enersourc	Residentia	DR	2007	Dx		N/A	Devices	869	-	-
	18	LDC	Consumer	peaksaverPLUS	Enersourc	Residentia	DR	2008	Dx		N/A	Devices	794	-	-
	19	LDC	Consumer	peaksaverPLUS	Enersourc	Residentia	DR	2009	Dx		N/A	Devices	1,060	-	-
	20	LDC	Consumer	peaksaverPLUS	Enersourc	Residentia	DR	2010	Dx		N/A	Devices	1,446	-	-
	21	LDC	Consumer	peaksaverPLUS	Enersourc	Residentia	DR	2011	Dx		N/A	Devices	512	-	-
	22	LDC	Consumer	peaksaverPLUS	Enersourc	Residentia	DR	2012	Dx		N/A	Devices	233	-	-
	23	LDC	Consumer	peaksaverPLUS	Enersourc	Residentia	DR	2013	Dx		N/A	Devices	6,151	-	-
	24	LDC	Consumer	peaksaverPLUS (IHD)	Enersourc	Residentia	DR	2012	Dx		N/A	Devices	584	-	-
	25	LDC	Consumer	peaksaverPLUS (IHD)	Enersourc	Residentia	DR	2013	Dx		N/A	Devices	9,841	-	-
	26	LDC	Industrial	DR-3	Enersourc	Industrial	DR	2013	Dx		N/A	Facilities	18	-	-
	27	LDC	Industrial	Energy Manager	Enersourc	Industrial	EE	2013	Dx		N/A		20	1,083	4,180,521
Informatio	28	Non-LDC	Business	peaksaverPLUS	Enersourc	Commerc	DR	2007	Dx		N/A	Devices	7	-	-
Informatio	29	Non-LDC	Consumer	peaksaverPLUS	Enersourc	Residentia	DR	2006	Dx		N/A	Devices	133	-	-
Informatio	30	Non-LDC	Consumer	peaksaverPLUS	Enersourc	Residentia	DR	2007	Dx		N/A	Devices	2170	-	-
Informatio	31	Non-LDC	Consumer	peaksaverPLUS	Enersourc	Residentia	DR	2008	Dx		N/A	Devices	1468	-	-
Informatio	32	Non-LDC	Consumer	peaksaverPLUS	Enersourc	Residentia	DR	2009	Dx		N/A	Devices	1602	-	-
Informatio	33	Non-LDC	Consumer	peaksaverPLUS	Enersourc	Residentia	DR	2010	Dx		N/A	Devices	1681	-	-
Informatio	34	Non-LDC	Industrial	DR-3	Enersourc	Industrial	DR	2013	Dx		N/A	Facilities	5	-	-
	35	LDC	Consumer	Appliance Retirement	Enersourc	Residentia	EE	2013	Dx		N/A	Appliance	1	-	1,000
	36	LDC	Consumer	HVAC	Enersourc	Residentia	EE	2012	Dx		Blended L	Equipmen	1	-	1,000
	etc.														

g Documentation:
e Savings Results from IESO

Net Verified Annual Peak Demand Savings at the End-User Level (kW)

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
-	47	47	47	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	97	97	97	97	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	1,079	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	419	419	413	385	385	362	360	360	347	337	311	309	147	129	129	94	9	8
-	-	4,348	4,258	4,189	4,187	3,943	3,870	3,870	3,860	3,543	3,082	2,447	2,367	1,093	722	722	623	198
-	4	4	4	1	1	0	0	0	0	0	0	0	-	-	-	-	-	-
-	-	1,193	1,193	1,138	949	284	277	277	273	273	273	263	185	5	5	5	-	-
-	-	20	20	20	17	17	17	17	17	13	13	10	10	10	10	10	10	10
-	-	18	18	18	18	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	37	37	37	37	21	-	-	-	-	-	-	-	-	-	-	-	-
-	-	46	46	44	35	35	35	35	35	30	30	22	14	14	14	14	14	12
-	-	20	19	19	18	18	18	18	18	13	13	13	13	12	12	6	6	6
-	-	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289	1,289
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
-	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
-	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	493	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	601	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	3,486	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	17,139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	974	888	888	885	724	25	25	25	25	25	25	-	-	-	-	-	-
-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	1,230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	832	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	953	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	1,651	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-
-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
8	8	-	-	-	-	-	-	-	-	-
192	192	192	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
6	6	6	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
7	7	7	-	-	-	-	-	-	-	-
6	6	6	1	-	-	-	-	-	-	-
1,289	1,005	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
27	21	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
0	0	-	-	-	-	-	-	-	-	-

Net Verified Annual Energy Savings at the End-User Level (kWh)

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
-	226,586	226,586	226,586	226,586	-	-	-	-	-	-	-	-
-	-	532,958	532,958	532,958	532,958	-	-	-	-	-	-	-
-	-	17,169	-	-	-	-	-	-	-	-	-	-
-	3,651,011	3,651,011	3,632,559	3,547,963	3,547,963	3,473,118	3,461,339	3,461,339	3,405,749	3,330,158	3,125,886	3,105,619
-	-	23,178,167	22,859,494	22,613,362	22,605,820	21,805,032	21,449,602	21,449,602	21,379,475	20,317,723	17,938,523	14,390,381
-	16,743	16,743	16,743	5,278	5,278	505	505	505	505	505	505	505
-	-	3,914,521	3,914,521	3,709,133	3,004,016	962,286	946,790	946,790	942,977	942,977	942,977	849,950
-	-	302,637	302,637	290,974	246,515	246,515	246,515	246,515	246,310	179,109	179,109	162,854
-	-	32,880	32,880	32,880	32,880	-	-	-	-	-	-	-
-	-	247,499	247,499	247,499	247,191	144,522	-	-	-	-	-	-
-	-	674,564	674,564	633,920	495,212	495,212	495,212	495,212	494,628	415,954	415,954	361,947
-	-	198,590	191,464	190,816	172,271	165,589	158,907	156,101	155,096	69,014	68,868	68,191
-	-	2,205,223	2,205,223	2,205,223	2,205,223	2,205,223	2,205,223	2,205,223	2,205,223	2,205,223	2,205,223	2,205,223
900	900	900	900	900	900	900	900	900	900	900	900	900
-	51,626	51,626	51,626	51,626	51,626	51,626	51,626	51,626	51,626	51,626	51,626	51,626
-	-	45	-	-	-	-	-	-	-	-	-	-
-	-	1,583	-	-	-	-	-	-	-	-	-	-
-	-	1,431	-	-	-	-	-	-	-	-	-	-
-	-	1,968	-	-	-	-	-	-	-	-	-	-
-	-	2,736	-	-	-	-	-	-	-	-	-	-
-	-	888	-	-	-	-	-	-	-	-	-	-
-	-	429	-	-	-	-	-	-	-	-	-	-
-	-	1,126	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	416,174	-	-	-	-	-	-	-	-	-	-
-	-	3,762,469	2,058,621	2,058,621	2,025,411	1,119,420	25,920	25,920	25,920	25,920	25,920	25,920
-	-	7	-	-	-	-	-	-	-	-	-	-
-	-	212	-	-	-	-	-	-	-	-	-	-
-	-	4,009	-	-	-	-	-	-	-	-	-	-
-	-	2,653	-	-	-	-	-	-	-	-	-	-
-	-	3,160	-	-	-	-	-	-	-	-	-	-
-	-	3,279	-	-	-	-	-	-	-	-	-	-
-	-	63,912	-	-	-	-	-	-	-	-	-	-
-	-	240	240	240	240	130	-	-	-	-	-	-
-	326	326	326	326	326	326	326	326	326	326	326	326

2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,156,755	2,099,845	2,099,845	1,506,187	32,758	32,104	32,104	32,104	-	-	-	-	-	-	-	-	-
13,808,924	6,318,932	4,998,332	4,998,332	4,121,411	461,408	447,483	447,483	447,483	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
557,162	5,097	5,097	5,097	-	-	-	-	-	-	-	-	-	-	-	-	-
160,535	160,535	159,875	159,875	159,740	154,803	90,866	90,866	90,866	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
232,697	232,697	220,417	220,417	218,840	188,896	110,877	110,877	110,877	-	-	-	-	-	-	-	-
68,191	66,811	66,811	19,009	18,942	18,942	18,942	18,942	18,942	4,420	-	-	-	-	-	-	-
2,205,223	2,205,223	2,205,223	2,205,223	2,205,223	2,205,223	2,205,223	1,951,331	-	-	-	-	-	-	-	-	-
900	900	900	900	900	760	-	-	-	-	-	-	-	-	-	-	-
51,626	51,626	51,626	51,626	51,626	51,626	45,799	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
326	326	326	326	326	326	303	-	-	-	-	-	-	-	-	-	-

Ontario Energy Board

Legend	
	User Inputs (Green)
	Instructions (Grey)

Table 7-d. 2014 Persisting Savings

Go to Tab 4.

1. LDCs are requested to paste a copy of the 2014 "LDC CDM Program Results Persistence Report" in the space below as it relates to the calculation of LRAMVA.

2. Please ensure that verified adjustments to 2014 programs that become available in future evaluation audits are included in the 2014 form below.

	#	Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year
	1	LDC	Business	Direct Install Lighting	Enersource Hydro Mississauga Inc.	Commerc	EE	2014
	2	LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commerc	EE	2011
	3	LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commerc	EE	2012
	4	LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commerc	EE	2012
	5	LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commerc	EE	2013
	6	LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commerc	EE	2013
	7	LDC	Business	Energy Audit	Enersource Hydro Mississauga Inc.	Commerc	EE	2014
	8	LDC	Business	High Performance New Construction	Enersource Hydro Mississauga Inc.	Commerc	EE	2013
	9	LDC	Business	High Performance New Construction	Enersource Hydro Mississauga Inc.	Commerc	EE	2014
	10	LDC	Business	Retrofit	Enersource Hydro Mississauga Inc.	Commerc	EE	2012
	11	LDC	Business	Retrofit	Enersource Hydro Mississauga Inc.	Commerc	EE	2013
	12	LDC	Business	Retrofit	Enersource Hydro Mississauga Inc.	Commerc	EE	2014
	13	LDC	Consumer	Appliance Exchange	Enersource Hydro Mississauga Inc.	Residenti	EE	2014
	14	LDC	Consumer	Appliance Retirement	Enersource Hydro Mississauga Inc.	Residenti	EE	2014
	15	LDC	Consumer	Appliance Retirement	Enersource Hydro Mississauga Inc.	Residenti	EE	2014
	16	LDC	Consumer	Appliance Retirement	Enersource Hydro Mississauga Inc.	Residenti	EE	2014
	17	LDC	Consumer	Appliance Retirement	Enersource Hydro Mississauga Inc.	Residenti	EE	2014
	18	LDC	Consumer	Bi-Annual Retailer Event	Enersource Hydro Mississauga Inc.	Residenti	EE	2014
	19	LDC	Consumer	Conservation Instant Coupon Booklet	Enersource Hydro Mississauga Inc.	Residenti	EE	2013
	20	LDC	Consumer	Conservation Instant Coupon Booklet	Enersource Hydro Mississauga Inc.	Residenti	EE	2014
	21	LDC	Home Assist	Home Assistance Program	Enersource Hydro Mississauga Inc.	Residenti	EE	2012
	22	LDC	Home Assist	Home Assistance Program	Enersource Hydro Mississauga Inc.	Residenti	EE	2013
	23	LDC	Home Assist	Home Assistance Program	Enersource Hydro Mississauga Inc.	Residenti	EE	2014
	24	LDC	Consumer	HVAC Incentives	Enersource Hydro Mississauga Inc.	Residenti	DR	2013
	25	LDC	Consumer	HVAC Incentives	Enersource Hydro Mississauga Inc.	Residenti	EE	2012
	26	LDC	Consumer	HVAC Incentives	Enersource Hydro Mississauga Inc.	Residenti	EE	2014
	27	LDC	Consumer	Residential New Construction	Enersource Hydro Mississauga Inc.	Residenti	EE	2014
	28	LDC	Other	LDC Pilots	Enersource Hydro Mississauga Inc.	Commerc	EE	2014
	29	LDC	Other	Time-of-Use Savings	Enersource Hydro Mississauga Inc.	Other	DR	2014
Informatio	30	non-Tier 1	Business	Commercial Demand Response	Enersource Hydro Mississauga Inc.	Commerc	DR	2007
Informatio	31	non-Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residenti	DR	2006
Informatio	32	non-Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residenti	DR	2007
Informatio	33	non-Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residenti	DR	2008
Informatio	34	non-Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residenti	DR	2009
Informatio	35	non-Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residenti	DR	2010
Informatio	36	non-Tier 1	Industrial	Demand Response 3	Enersource Hydro Mississauga Inc.	Industrial	DR	2014
	37	Tier 1	Business	Demand Response 3	Enersource Hydro Mississauga Inc.	Commerc	DR	2014
	38	Tier 1	Business	Commercial Demand Response	Enersource Hydro Mississauga Inc.	Commerc	DR	2014
	39	Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residenti	DR	2006
	40	Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residenti	DR	2007
	41	Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residenti	DR	2008
	42	Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residenti	DR	2009
	43	Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residenti	DR	2010
	44	Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residenti	DR	2011
	45	Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residenti	DR	2012
	46	Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residenti	DR	2013
	47	Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residenti	DR	2014
	48	Tier 1	Industrial	Demand Response 3	Enersource Hydro Mississauga Inc.	Industrial	DR	2014
	49	Tier 1	Industrial	Energy Managers	Enersource Hydro Mississauga Inc.	Industrial	EE	2012
	50	Tier 1	Industrial	Energy Managers	Enersource Hydro Mississauga Inc.	Industrial	EE	2013
	51	Tier 1	Industrial	Energy Managers	Enersource Hydro Mississauga Inc.	Industrial	EE	2014
	etc.							

Supporting Documer

2014 LDC Persistence Savings F

Tx (Transmission) or Dx (Distribution) Connected	Status	Notes	Activity Unit Name	Activity / Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (kW)	Gross Energy Savings (kWh)
Dx		n/a	Projects	1468	1,347,731	4,679,900,267
Dx		n/a	Audit	1	2,221	43,993,462
Dx		n/a	Audit	3	8,763	130,189,583
Dx		n/a	Audit	1	6,381	94,800,634
Dx		n/a	Audit	1	64	706,972
Dx		n/a	Audit	5	44,093	484,829,029
Dx		n/a	Audit	64	855,484	4,177,508,484
Dx		n/a		6	97,608	423,564,471
Dx		n/a		7	120,249	204,719,638
Dx		n/a	Projects	22	353,640	2,575,756,110
Dx		n/a	Projects	94	849,122	18,621,135,580
Dx		n/a	Projects	840	6,001,740	41,820,980,760
Dx		Dehumidi	Appliance	127	26,314	46,918,865
Dx		n/a	Appliance	4	467	417,632
Dx		n/a	Appliance	2	354	631,168
Dx		n/a	Appliance	146.1571	10,178	73,694,456
Dx		n/a	Appliance	320.3926	19,221	130,785,970
Dx		Custom lo	measures	189443.2	315,823	4,825,760,377
Dx		Custom lo	measures	41.23268	100	926,000
Dx		Custom lo	measures	42847.59	86,661	1,166,247,497
Dx		n/a	Homes	30	7,133	94,781,050
Dx		n/a	Homes	219	55,628	532,566,910
Dx		n/a	Homes	1003	59,212	1,444,985,102
Dx		Blended L	Equipmer	316	68,383	240,183,246
Dx		n/a	Equipmer	4	1,138	6,615,089
Dx		n/a	Equipmer	7039	1,397,824	2,581,152,985
Dx		n/a	Homes	2	87	1,304,100
Dx		n/a	n/a	1	-	-
Dx		n/a	n/a		3,830,620	-
Dx		n/a	Devices	7	-	-
Dx		n/a	Devices	111	-	-
Dx		n/a	Devices	1877	-	-
Dx		n/a	Devices	1294	-	-
Dx		n/a	Devices	1381	-	-
Dx		n/a	Devices	1451	-	-
Dx		n/a	Facilities	5	-	-
Dx		n/a	Facilities	7	-	-
Dx		n/a	Devices	432	-	-
Dx		n/a	Devices	43	-	-
Dx		n/a	Devices	982	-	-
Dx		n/a	Devices	836	-	-
Dx		n/a	Devices	1221	-	-
Dx		n/a	Devices	1603	-	-
Dx		n/a	Devices	483	-	-
Dx		n/a	Devices	257	-	-
Dx		n/a	Devices	6100	-	-
Dx		n/a	Devices	3209	-	-
Dx		n/a	Facilities	22	-	-
Dx		n/a		0	-	-
Dx		n/a		-4	943,574	17,970,586,860
Dx		n/a		13	477,952	3,893,879,303

ntation:
Results from IESO

Net Verified Annual Peak Demand Savings at the End-User Level (kW)

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
-	-	-	1,348	1,322	1,288	744	744	744	744	744	744	744	736	327	7	7	7	-	-	-	-	-	-	-	-
2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	6	6	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	44	44	44	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	855	855	855	855	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	98	98	98	98	98	98	98	98	98	98	89	89	86	86	76	-	-	-	-	-	-	-	-	-
-	-	-	120	120	120	120	120	120	120	120	110	110	101	101	101	101	101	-	-	-	-	-	-	-	-
-	354	354	354	347	347	307	304	304	251	229	178	161	98	98	98	70	0	0	0	0	-	-	-	-	-
-	-	852	849	848	848	819	811	811	811	757	694	617	617	477	466	466	383	23	18	18	18	-	-	-	-
-	-	-	6,002	5,994	5,994	5,837	5,837	5,808	5,536	5,536	5,234	4,080	2,885	2,820	1,744	1,691	1,691	1,369	333	333	333	333	-	-	-
-	-	-	26	26	26	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	10	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	19	19	19	19	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	316	276	255	255	255	255	255	255	255	238	216	183	183	182	182	182	148	148	148	148	-	-	-
-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
-	-	-	87	82	79	79	79	79	79	79	79	70	51	49	49	49	49	48	22	22	22	22	-	-	-
7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	5	4	4	4	4	4	0	-	-	-
-	-	56	56	56	55	54	54	54	54	50	49	49	49	49	49	45	45	45	45	45	45	1	-	-	-
-	-	-	59	59	55	54	52	52	52	52	36	35	34	34	32	32	6	5	5	5	5	5	3	-	-
-	-	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	56	-	-	-	-	-
-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	-
-	-	-	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,398	1,255	-	-	-	-
-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-
-	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	3,831	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	970	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	669	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	714	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	1,226	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	904	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	243	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	432	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	631	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	828	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	3,153	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	1,658	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	17,243	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	891	944	944	943	1,096	1,795	1,795	1,795	1,795	1,795	1,719	1,744	829	829	829	821	821	821	821	821	-	-	-	-
-	-	-	478	385	290	290	290	290	290	290	290	290	281	281	75	75	75	-	-	-	-	-	-	-	-

2037	2038	2039	2040		Net Verified Annual Energy Savings at the End-User Level (kWh) 2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
-	-	-	-		-	-	-	4,679,900	4,579,621	4,449,982	2,705,295	2,705,295	2,705,295	2,705,295
-	-	-	-		10,998	10,998	10,998	10,998	-	-	-	-	-	-
-	-	-	-		-	43,397	43,397	43,397	43,397	-	-	-	-	-
-	-	-	-		-	31,600	31,600	31,600	31,600	-	-	-	-	-
-	-	-	-		-	-	353	353	353	353	-	-	-	-
-	-	-	-		-	-	242,415	242,415	242,415	242,415	-	-	-	-
-	-	-	-		-	-	-	4,177,508	4,177,508	4,177,508	4,177,508	-	-	-
-	-	-	-		-	-	211,782	211,782	211,782	211,782	211,782	211,782	211,782	211,782
-	-	-	-		-	-	-	204,720	204,720	204,720	204,720	204,720	204,720	204,720
-	-	-	-		-	1,134,687	1,134,687	1,134,687	1,111,471	1,111,471	986,593	973,698	973,698	797,460
-	-	-	-		-	-	9,316,522	9,304,613	9,301,615	9,301,615	9,199,956	9,143,752	9,143,752	8,876,305
-	-	-	-		-	-	-	41,820,981	41,792,521	41,792,521	41,240,745	41,240,745	41,140,977	39,030,198
-	-	-	-		-	-	-	46,919	46,919	46,919	46,919	-	-	-
-	-	-	-		-	-	-	418	418	418	-	-	-	-
-	-	-	-		-	-	-	631	631	631	631	-	-	-
-	-	-	-		-	-	-	73,694	73,694	73,694	73,694	-	-	-
-	-	-	-		-	-	-	130,786	130,786	130,786	130,786	130,786	-	-
-	-	-	-		-	-	-	4,825,760	4,186,296	3,853,043	3,853,043	3,853,043	3,853,043	3,853,043
-	-	-	-		-	-	926	926	880	761	761	761	761	761
-	-	-	-		-	-	-	1,166,247	1,089,769	1,052,672	1,052,672	1,052,672	1,052,672	1,052,672
-	-	-	-		47,874	47,874	47,874	47,412	47,370	44,621	41,395	40,188	38,778	38,186
-	-	-	-		-	-	273,584	266,606	265,961	249,158	243,290	237,427	234,199	232,774
-	-	-	-		-	-	-	724,043	720,942	644,369	618,486	589,778	589,778	583,221
-	-	-	-		-	-	120,092	120,092	120,092	120,092	120,092	120,092	120,092	120,092
-	-	-	-		-	2,205	2,205	2,205	2,205	2,205	2,205	2,205	2,205	2,205
-	-	-	-		-	-	-	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153
-	-	-	-		-	-	-	1,304	1,304	1,304	1,304	1,304	1,304	1,304
-	-	-	-		-	-	-	184,241	-	-	-	-	-	-
-	-	-	-		-	-	-	-	-	-	-	-	-	-
-	-	-	-		-	-	-	-	-	-	-	-	-	-
-	-	-	-		-	-	-	16	-	-	-	-	-	-
-	-	-	-		-	-	-	244	-	-	-	-	-	-
-	-	-	-		-	-	-	169	-	-	-	-	-	-
-	-	-	-		-	-	-	186	-	-	-	-	-	-
-	-	-	-		-	-	-	185	-	-	-	-	-	-
-	-	-	-		-	-	-	-	-	-	-	-	-	-
-	-	-	-		-	-	-	-	-	-	-	-	-	-
-	-	-	-		-	-	-	-	-	-	-	-	-	-
-	-	-	-		-	-	-	2	-	-	-	-	-	-
-	-	-	-		-	-	-	112	-	-	-	-	-	-
-	-	-	-		-	-	-	94	-	-	-	-	-	-
-	-	-	-		-	-	-	141	-	-	-	-	-	-
-	-	-	-		-	-	-	169	-	-	-	-	-	-
-	-	-	-		-	-	-	56	-	-	-	-	-	-
-	-	-	-		-	-	-	27	-	-	-	-	-	-
-	-	-	-		-	-	-	647	-	-	-	-	-	-
-	-	-	-		-	-	-	-	-	-	-	-	-	-
-	-	-	-		-	-	-	-	-	-	-	-	-	-
-	-	-	-		-	-	-	-	-	-	-	-	-	-
-	-	-	-		-	-	8,343,933	9,626,653	9,626,653	9,624,763	10,523,554	11,599,054	11,599,054	11,599,054
-	-	-	-		-	-	-	3,893,879	2,676,503	2,372,464	2,372,464	2,372,464	2,372,464	2,372,464

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
2,705,295	2,705,295	2,705,295	2,637,606	1,033,658	6,796	6,796	6,796	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
211,782	211,782	158,838	158,838	136,610	136,610	106,054	-	-	-	-	-	-	-	-	-	-	-	-	-
204,720	175,530	175,530	116,970	116,970	116,970	116,970	116,970	-	-	-	-	-	-	-	-	-	-	-	-
709,744	512,221	470,708	79,473	79,473	79,473	57,163	1,180	1,180	1,180	1,180	-	-	-	-	-	-	-	-	-
8,522,280	8,112,566	5,054,523	2,836,997	1,913,392	1,872,346	1,872,346	1,523,484	53,188	44,222	44,222	44,222	-	-	-	-	-	-	-	-
39,030,198	37,213,808	27,982,620	18,261,803	17,247,754	10,162,267	9,976,459	9,976,459	7,943,957	767,515	767,515	767,515	767,515	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,851,374	3,851,374	3,581,992	3,482,378	2,944,728	2,944,728	2,902,560	2,902,560	2,898,456	2,356,254	2,356,254	2,356,254	2,356,254	-	-	-	-	-	-	-
639	639	607	607	607	607	607	607	320	320	320	320	-	-	-	-	-	-	-	-
1,050,742	1,050,742	906,024	819,145	774,664	774,664	770,031	770,031	768,932	346,444	346,444	346,444	346,444	-	-	-	-	-	-	-
22,660	22,660	22,580	22,580	21,646	21,646	12,871	12,601	12,601	12,601	12,601	12,601	1,899	-	-	-	-	-	-	-
154,230	153,858	151,254	151,254	149,516	149,516	117,512	116,752	116,752	116,752	116,752	116,752	5,547	-	-	-	-	-	-	-
580,458	265,860	265,372	256,270	256,270	249,561	249,561	31,976	28,288	28,288	28,288	28,288	28,288	22,155	-	-	-	-	-	-
120,092	120,092	120,092	120,092	120,092	120,092	120,092	120,092	120,092	120,092	109,258	-	-	-	-	-	-	-	-	-
2,205	2,205	2,205	2,205	2,205	2,205	2,205	2,205	2,205	2,205	-	-	-	-	-	-	-	-	-	-
2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,581,153	2,453,313	-	-	-	-	-	-	-	-
1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11,590,954	11,590,954	10,995,300	11,021,220	1,666,620	1,666,620	1,666,620	1,521,900	1,521,900	1,521,900	1,521,900	1,521,900	-	-	-	-	-	-	-	-
2,372,464	2,372,464	2,372,464	2,130,970	2,130,970	325,728	325,728	325,728	-	-	-	-	-	-	-	-	-	-	-	-

Supporting Docume
2015 LDC Persistence Savings

Legend	
	User Inputs (Green)
	Instructions (Grey)

Table 7-e. 2015 Persisting Savings

Go to Tab 5.

1. LDCs are requested to paste a copy of the 2015 "LDC CDM Program Results Persistence Report" in the space below as it relates to the calculation of LRAMVA.

2. Please ensure that verified adjustments to 2015 programs that become available in future evaluation audits are included in the 2015 form below.

#	Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Tx (Transmission) or Dx (Distribution) Connected	Status	Notes	Activity Unit Name	Activity / Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (kW)	Gross Energy Savings (kWh)
1		Coupon Initiative												
2		Bi-Annual Retailer Event Initiative												
3		Appliance Retirement Initiative												
4		HVAC Incentives Initiative												
5		Residential New Construction and Major Renovation Initiative												
6		Energy Audit Initiative												
7		Efficiency: Equipment Replacement Incentive Initiative												
8		Direct Install Lighting and Water Heating Initiative												
9		New Construction and Major Renovation Initiative												
10		Existing Building Commissioning Incentive Initiative												
11		Process and Systems Upgrades Initiatives - Project Incentive Initiative												
12		Process and Systems Upgrades Initiatives - Energy Manager Initiative												
13		Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative												
14		Low Income Initiative												
15		Loblaws Pilot												
16		Social Benchmarking Pilot												
17		Conservation Fund Pilot - SEG												
etc.														

entation:
s Results from IESO

Net Verified Annual Peak Demand Savings at the End-User Level (kW)

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
				141	140	140	140	140	140	140	140	140	140	124
				248	244	244	244	244	244	244	244	244	244	206
				9	9	9	9	5	-	-	-	-	-	-
				1.355	1.355	1.355	1.355	1.355	1.355	1.355	1.355	1.355	1.355	1.355
				-	-	-	-	-	-	-	-	-	-	-
				762	762	762	762	-	-	-	-	-	-	-
				6.865	6.865	6.775	6.775	6.775	6.715	6.396	6.396	6.101	5.063	2.324
				810	778	441	441	441	441	441	441	441	441	433
				305	305	305	305	305	305	305	305	305	305	305
				-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-
				1.232	1.146	1.146	1.146	1.127	1.127	1.107	1.089	1.089	342	324
				-	-	-	-	-	-	-	-	-	-	-
				30	26	26	25	25	25	25	25	19	19	19
				14	14	14	14	14	14	14	14	14	14	-
				-	-	-	-	-	-	-	-	-	-	-
				499	-	-	-	-	-	-	-	-	-	-

2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
124	124	124	124	124	46	46	46	46	-	-	-	-	-	-
195	195	194	194	194	72	72	72	72	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.355	1.355	1.355	1.355	1.355	1.355	1.355	1.229	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.148	1.246	1.244	1.244	939	327	327	327	327	-	-	-	-	-	-
193	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305	305	305	246	5	5	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	23	23	23	23	23	23	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	18	18	2	2	2	2	2	2	1	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Net Verified Annual Energy Savings at the End-User Level (kWh)

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
				2.173.737	2.154.375	2.154.375	2.154.375	2.154.375	2.154.375	2.154.375	2.153.946	2.153.946	2.153.946	1.988.960	1.982.034	1.982.034	1.974.981	1.974.981	1.974.178	740.712	740.712	740.712	740.712	-	-	-	-	-	-
				3.679.485	3.614.091	3.614.091	3.614.091	3.614.091	3.614.091	3.614.091	3.612.200	3.612.200	3.612.200	3.330.966	3.159.456	3.159.456	3.091.498	3.091.498	3.084.291	1.142.616	1.142.616	1.142.616	1.142.616	-	-	-	-	-	-
				60,261	60,261	60,261	60,261	37,035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				2.584.003	2.584.003	2.584.003	2.584.003	2.584.003	2.584.003	2.584.003	2.584.003	2.584.003	2.584.003	2.584.003	2.584.003	2.584.003	2.584.003	2.584.003	2.584.003	2.584.003	2.584.003	2.471.373	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				3.573.385	3.573.385	3.573.385	3.573.385	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				45.320.196	45.320.196	45.034.080	45.032.593	45.032.593	44.840.465	42.808.250	42.808.250	41.594.868	34.763.280	16.782.984	15.335.854	8.714.664	8.708.922	8.708.922	6.135.314	855.240	855.240	855.240	855.240	-	-	-	-	-	-
				3.360.796	3.220.399	1.926.026	1.925.910	1.925.910	1.925.910	1.925.910	1.925.910	1.925.910	1.925.910	1.847.860	754.172	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				931.231	931.231	931.231	931.231	931.231	931.231	931.231	931.231	930.086	930.086	930.086	930.086	930.086	930.086	601.904	33.362	32.934	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				4.040.545	3.202.504	3.202.504	3.202.504	3.095.771	3.095.771	3.013.834	2.972.509	2.972.509	1.392.934	1.330.725	475.013	58.425	58.425	58.425	58.425	58.425	58.425	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				343.883	274.624	264.686	254.747	253.557	253.557	249.106	248.306	141.134	140.918	139.103	139.103	136.443	136.443	7.880	7.612	7.612	7.612	7.612	7.612	5.465	-	-	-	-	-
				183.513	183.513	183.513	183.513	183.513	183.513	183.513	183.513	183.513	183.513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				6.899.972	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Ontario Energy Board

Supporting Documentation:
2016 LDC Persistence Savings Results from IESO

Legend

	User Inputs (Green)
	Instructions (Grey)

Table 7-f. 2016 Persisting Savings

1. LDCs are requested to paste a copy of the 2016 "LDC CDM Program Results Persistence Report" in the space below as it relates to the calculation of LRAMVA.

2. Please ensure that verified adjustments to 2016 programs that become available in future evaluation audits are included in the 2016 form below.

#	Portfolio	Program	Initiative	(Implementation) Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
1			Save on Energy Audit Funding Program	2015 Adjustment	17	17	17	17	17	17	17	17	17	17	17	17	17
2			Save on Energy Retrofit Program	2015 Adjustment	45	45	45	45	45	45	41	41	41	29	-	-	-
3			Save on Energy Retrofit Program - P4P	2015 Adjustment	341	296	296	296	296	296	296	296	286	286	286	286	48
4			Coupon Initiative	2015 Adjustment	32	32	32	32	32	32	32	32	32	32	30	30	30
5			Bi-Annual Retailer Event Initiative	2015 Adjustment	2	2	2	2	2	2	2	2	2	2	2	2	2
6			HVAC Incentives Initiative	2015 Adjustment	57	57	57	57	57	57	57	57	57	57	57	57	57
7			Energy Audit Initiative	2015 Adjustment	1,229	1,229	1,229	1,229	2,127	2,127	2,127	2,127	2,127	2,127	2,127	2,127	2,127
8			Efficiency: Equipment Replacement Incentive Initiative	2015 Adjustment	462	462	460	458	458	458	419	419	409	247	67	67	60
9			New Construction and Major Renovation Initiative	2015 Adjustment	200	200	200	200	200	200	200	200	200	200	200	200	200
10			Process and Systems Upgrades Initiatives - Project Incentive Initiative	2015 Adjustment	272	272	61	61	61	61	61	61	61	61	61	61	61
11			Save on Energy Coupon Program	2016		1,258	1,258	1,258	1,258	1,258	1,258	1,258	1,258	1,258	1,253	1,215	1,215
12			Save on Energy Heating & Cooling Program	2016		1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,255
13			Save on Energy Home Assistance Program	2016		26	26	26	26	26	25	25	25	25	23	10	10
14			Save on Energy Audit Funding Program	2016		27	27	27	27	27	27	27	27	27	27	7	-
15			Save on Energy Retrofit Program	2016		533	510	510	510	510	510	510	510	510	510	510	314
16			Save on Energy High Performance New Construction Program	2016		15	15	15	15	15	15	15	15	15	15	15	15
17			Save on Energy Energy Manager Program	2016		53	53	10	10	10	10	10	10	10	10	10	10
18			Save on Energy Retrofit Program - P4P	2016		4,244	4,197	4,197	4,197	4,197	4,197	4,197	4,197	3,990	3,990	3,983	3,983
19			Save on Energy Process & Systems Upgrades Program - P4P	2016		1,596	1,596	1,596	1,596	1,596	1,596	1,596	1,596	1,596	1,596	1,149	1,149
20			Truckload Event Pilot Program	2016		67	67	67	67	67	67	67	67	67	67	67	67
21			Home Depot Home Appliance Market Uplift Conservation Fund Pilot Prc	2016													
etc.																	

#	Initiative	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
1	Save on Energy Audit Funding Program	12	-	-	-	-	-	-	-	-	-	-	-	-
2	Save on Energy Retrofit Program	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Save on Energy Retrofit Program - P4P	48	48	25	25	25	25	25	-	-	-	-	-	-
4	Coupon Initiative	30	30	30	13	13	13	13	-	-	-	-	-	-
5	Bi-Annual Retailer Event Initiative	2	2	2	1	1	1	1	-	-	-	-	-	-
6	HVAC Incentives Initiative	57	57	57	57	57	54	-	-	-	-	-	-	-
7	Energy Audit Initiative	1,489	-	-	-	-	-	-	-	-	-	-	-	-
8	Efficiency: Equipment Replacement Incentive Initiative	60	60	50	19	19	19	19	-	-	-	-	-	-
9	New Construction and Major Renovation Initiative	200	87	-	-	-	-	-	-	-	-	-	-	-
10	Process and Systems Upgrades Initiatives - Project Incentive Initiative	61	61	61	61	61	61	61	-	-	-	-	-	-
11	Save on Energy Coupon Program	1,215	1,214	1,075	1,075	402	-	-	-	-	-	-	-	-
12	Save on Energy Heating & Cooling Program	1,255	1,255	1,255	1,255	1,255	1,255	1,143	-	-	-	-	-	-
13	Save on Energy Home Assistance Program	9	9	9	9	9	9	9	9	-	-	-	-	-
14	Save on Energy Audit Funding Program	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Save on Energy Retrofit Program	11	11	1	-	-	-	-	-	-	-	-	-	-
16	Save on Energy High Performance New Construction Program	15	15	15	5	-	-	-	-	-	-	-	-	-
17	Save on Energy Energy Manager Program	1	1	1	-	-	-	-	-	-	-	-	-	-
18	Save on Energy Retrofit Program - P4P	1,219	1,219	1,219	472	472	472	472	472	127	127	127	127	127
19	Save on Energy Process & Systems Upgrades Program - P4P	1,149	1,149	1,149	1,078	1,078	1,078	1,078	1,078	-	-	-	-	-
20	Truckload Event Pilot Program	67	57	57	25	25	-	-	-	-	-	-	-	-
21	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Prc													
etc.														

Net Verified Annual Energy Savings at the End-User Level (kWh)

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
				77,834	77,834	77,834	77,834	77,834	77,834	77,834	77,834	77,834	77,834	77,834
				210,218	210,218	210,218	210,218	210,218	210,218	192,248	192,248	192,248	135,499	-
				1,731,152	1,567,230	1,567,230	1,567,230	1,567,230	1,567,230	1,567,230	1,567,230	1,504,817	1,504,817	1,504,817
				502,885	497,119	497,119	497,119	497,119	497,119	497,119	496,860	496,860	496,860	481,598
				38,059	37,613	37,613	37,613	37,613	37,613	37,613	37,519	37,519	37,519	31,820
				110,951	110,951	110,951	110,951	110,951	110,951	110,951	110,951	110,951	110,951	110,951
				5,766,646	5,766,646	5,766,646	5,766,646	9,340,038	9,340,038	9,340,038	9,340,038	9,340,038	9,340,038	9,340,038
				2,784,592	2,784,592	2,777,671	2,771,791	2,771,791	2,771,791	2,533,149	2,533,149	2,502,350	1,509,208	425,834
				573,307	573,307	573,307	573,307	573,307	573,307	573,307	573,307	573,307	573,307	573,307
				2,462,181	2,462,181	515,382	515,382	515,382	515,382	515,382	515,382	515,382	515,382	515,382
					19,370,627	19,370,627	19,370,627	19,370,627	19,370,627	19,370,627	19,370,627	19,368,117	19,368,117	19,289,639
					4,246,239	4,246,239	4,246,239	4,246,239	4,246,239	4,246,239	4,246,239	4,246,239	4,246,239	4,246,239
					181,241	181,241	181,241	181,241	181,241	181,095	181,095	181,095	181,095	159,165
					210,282	210,282	210,282	210,282	210,282	210,282	210,282	210,282	210,282	210,282
					3,976,883	3,812,817	3,812,817	3,812,817	3,812,817	3,812,817	3,812,817	3,812,817	3,812,817	3,812,817
					82,648	82,648	82,648	82,648	82,648	82,648	82,648	82,648	82,648	82,648
					388,603	388,603	123,933	123,933	123,933	123,933	123,933	123,933	123,933	123,933
					41,083,220	40,937,376	40,937,376	40,937,376	40,937,376	40,937,376	40,937,376	40,937,376	37,498,721	37,498,721
					10,957,531	10,957,531	10,957,531	10,957,531	10,957,531	10,957,531	10,957,531	10,957,531	10,957,531	10,957,531
					1,067,232	1,067,232	1,067,232	1,067,232	1,067,232	1,067,232	1,067,232	1,067,232	1,067,232	1,067,232
					2,993	2,993	2,993	2,993	2,993	2,993	2,993	2,993	2,993	2,993

2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
77,834	77,834	54,484	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,504,817	127,333	127,333	127,333	19,592	19,592	19,592	19,592	19,592	-	-	-	-	-	-
480,609	480,609	478,775	478,775	478,122	212,459	212,459	212,459	212,459	-	-	-	-	-	-
31,560	31,560	30,589	30,589	30,476	12,734	12,734	12,734	12,734	-	-	-	-	-	-
110,951	110,951	110,951	110,951	110,951	110,951	110,951	108,110	-	-	-	-	-	-	-
9,340,038	9,340,038	6,538,026	-	-	-	-	-	-	-	-	-	-	-	-
424,191	258,684	258,684	258,684	203,789	19,073	19,073	19,073	19,073	-	-	-	-	-	-
573,307	573,307	573,307	248,762	-	-	-	-	-	-	-	-	-	-	-
515,382	515,382	515,382	515,382	515,382	515,382	515,382	515,382	515,382	-	-	-	-	-	-
19,085,447	19,075,538	19,075,538	18,984,666	16,768,121	16,768,121	6,409,685	-	-	-	-	-	-	-	-
4,246,239	4,246,239	4,246,239	4,246,239	4,246,239	4,246,239	4,246,239	4,246,239	4,145,814	-	-	-	-	-	-
138,594	138,594	137,445	137,445	137,445	137,445	137,445	137,445	137,445	137,445	-	-	-	-	-
51,916	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,810,062	2,345,955	75,816	75,816	5,229	-	-	-	-	-	-	-	-	-	-
82,648	82,648	82,648	82,648	82,648	29,696	-	-	-	-	-	-	-	-	-
123,933	123,933	4,177	4,177	4,177	-	-	-	-	-	-	-	-	-	-
37,425,710	37,425,710	8,340,638	8,340,638	8,340,638	1,211,803	1,211,803	1,211,803	1,211,803	1,211,803	192,185	192,185	192,185	192,185	192,185
10,395,431	10,395,431	10,395,431	10,395,431	10,395,431	9,172,458	9,172,458	9,172,458	9,172,458	9,172,458	-	-	-	-	-
1,067,232	1,067,232	1,067,232	899,727	899,727	391,592	391,592	-	-	-	-	-	-	-	-
2,993	2,993	2,993	2,993	2,152	2,152	2,152	2,152	-	-	-	-	-	-	-

Energy savings attributed to street lighting project in IESO results			
Year	**Gross**	**NTG**	**Net**
2013 SL Savings	7,976,079	64%	5,110,764
2014 using 2016 SL Savings	18,507,361	72%	13,378,448
2015 using 2016 SL Savings	18,507,361	72%	13,378,448
2016 using 2016 SL Savings	18,507,361	72%	13,378,448
2017 using 2016 SL Savings	18,507,361	72%	13,378,448

Peak Demand Savings attributed to LED Street Lighting Project

Month		Billed kW	SL billed kW prior LED SL Project	Gross kW Reduction	NTG Ratio	Net kW reduction
	Jan-13	9,558.21				
	Feb-13	8,637.09				
	Mar-13	9,498.45				
	Apr-13	9,055.49				
	May-13	9,232.32				
	Jun-13	8,854.64				
	Jul-13	9,023.52				
	Aug-13	9,023.37				
	Sep-13	8,436.45				
	Oct-13	8,569.78				
	Nov-13	8,136.28				
	Dec-13	8,209.35				
2013 total		**106,234.94**	**110,890**	**4,655**	**64%**	**2,983**
	Jan-14	8,064.60				
	Feb-14	7,260.75				
	Mar-14	7,933.86				
	Apr-14	7,554.13				
	May-14	7,707.10				
	Jun-14	7,460.76				
	Jul-14	7,668.58				
	Aug-14	7,525.58				
	Sep-14	7,223.15				
	Oct-14	7,522.82				
	Nov-14	6,993.34				
	Dec-14	7,330.59				
2014 total		**90,245.24**	**110,890**	**20,645**	**72%**	**14,924**
	Jan-15	7,423.43				
	Feb-15	6,786.78				
	Mar-15	6,968.40				
	Apr-15	6,938.28				
	May-15	7,193.04				
	Jun-15	7,020.96				
	Jul-15	7,352.64				
	Aug-15	4,871.00				
	Sep-15	4,183.96				
	Oct-15	4,362.27				
	Nov-15	4,277.37				
	Dec-15	4,490.52				
2015 total		**71,868.66**	**110,890**	**39,021**	**72%**	**28,207**
	Jan-16	4,321.81				
	Feb-16	3,749.68				
	Mar-16	3,939.43				
	Apr-16	3,785.29				
	May-16	3,947.05				
	Jun-16	3,778.12				
	Jul-16	3,871.38				
	Aug-16	3,876.76				
	Sep-16	3,765.11				
	Oct-16	3,583.53				
	Nov-16	3,418.64				
	Dec-16	3,443.95				
2016 total		**45,480.73**	**110,890**	**65,409**	**72%**	**47,283**
	Jan-17	3,530.01				
	Feb-17	3,182.15				
	Mar-17	3,621.25				
	Apr-17	3,363.71				
	May-17	3,468.62				
	Jun-17	3,339.27				
	Jul-17	3,459.98				
	Aug-17	3,469.07				
	Sep-17	3,409.07				
	Oct-17	3,532.90				
	Nov-17	3,532.90				
	Dec-17	3,532.90				
2017 total		**41,441.83**	**110,890**	**69,448**	**72%**	**50,202**

ATTACHMENT 43
2016 FINAL IESO RESULTS REPORT
ENERSOURCE RZ

Final Verified 2016 Annual LDC CDM Program Results Report
Letter from the Vice-President, Conservation & Corporate Relations

June 30, 2017

I am pleased to provide LDCs with their Final Verified 2016 Annual Results Report. Collectively in 2016, LDCs achieved 1.2 TWh of energy savings persisting to 2020. When combined with the 2015 results, LDCs have achieved 2.6 TWh of energy savings, representing 38 % of the 7 TWh target. The results show positive progress towards the achievement of the Conservation First Framework (CFF) target and demonstrate the continued collaboration between LDCs and the IESO in promoting a culture of conservation across the province.

Key highlights from the 2016 final results include the following:

- The Coupons program produced a record achievement, delivering 428 GWh of energy savings in 2016, more than doubling the results from 2015. LED light bulbs remained the most common measure accounting for 75 % of coupons redeemed and 96 % of savings.

- The Retrofit program continues to be the highest performing program achieving 567 GWh of energy savings in 2016, despite experiencing a 29 % reduction in savings over the 2015 results (including adjustments). Lighting measures continue to produce the majority of savings, 74 % in 2016, with non-lighting measures accounting for the remainder.

- The success of the Coupons program supported residential sector programs in achieving a larger share of the portfolio savings in 2016 than in previous years, accounting for 44 % of target achievement, with business sector programs and local and pilot programs accounting for 54 % and 1 %, respectively.

  - It is important to note that there remains a considerable data lag, representing completed, but unreported projects for the Retrofit and Process and Systems Upgrades Programs. Together, these programs have roughly 250 GWh in unverified savings waiting to be reported by LDCs. It is anticipated that these savings will be reported in future year's 2016 adjustments.

- As with 2015, the IESO evaluation methodology enabled further granulation of net verified results in 2016, resulting in increased LDC-specific and regional level net-to-gross adjustment factors, where data permitted.

- Four LDCs have achieved at least 90 % of their CFF target, and nine others are above 50 %. These early successes are prompting increased dialogue between LDCs with respect to potential target exchange, which is both permitted and encouraged under the CFF.

There were minor revisions to the final results relative to the preliminary results including: 1) revisions/corrections to program savings assumptions / adjustments as required (primarily to participation levels for Coupons Program and Heating & Cooling Program); 2) the inclusion of an additional five LDC Innovation Fund and Conservation Fund Pilot Programs; and 3) amendments based on comments received by LDCs as part of their review of the preliminary results. Further details on the revisions between the preliminary and the final 2016 verified results can be found in the 2016 Frequently Asked Questions (FAQs) and Evaluation Findings Report which will be posted along with the results on the LDC extranet.

Please note that all results contained within this report are considered to be final verified results. Projects included in this report are reflected in the accompanying LDC Project List Report. Any program activity not captured in this report will be included as part of a future adjustment process.

In terms of next steps, as with the 2015 CFF results, Final Verified 2016 Annual Results Reports will be posted on the IESO website in early July. In addition, LDC-Program level and portfolio-level cost effectiveness test results will be available on September 15, 2017, as outlined in the Energy Conservation Agreement version 3.0 update. Finally, 2016 EM&V reports will be available later this summer along with key program recommendations to be shared with the LDC Working Groups and the IESO.

We appreciate your collaboration and cooperation throughout the reporting and evaluation process. As we look ahead, the IESO will be focusing on enhancing its communication and support services to further support LDCs in the delivery of programs and to increase customer participation in these programs. I look forward to continuing to work together in achieving success in the Conservation First Framework.

Sincerely,

Terry Young
Vice-President, Conservation & Corporate Relations
Independent Electricity System Operator

Final Verified 2016 Annual LDC CDM Program Results Report
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Final Verified 2016 Annual LDC CDM Program Results Report

How to Use this Report

The IESO is pleased to provide you with the 2016 Annual Verified Results Report.

This report provides:
1) electricity savings;
2) annual Full Cost Recovery funding model program progress; and
3) peak demand savings;
4) IESO Value Added Services Costs

in accordance with Section 9.2(b)(i) of the Energy Conservation Agreement.

In addition to the above, this report also provides in greater detail:
1) program participation results including:
   a) forecasts; b) actuals; and c) progress (forecast versus (vs) actuals);

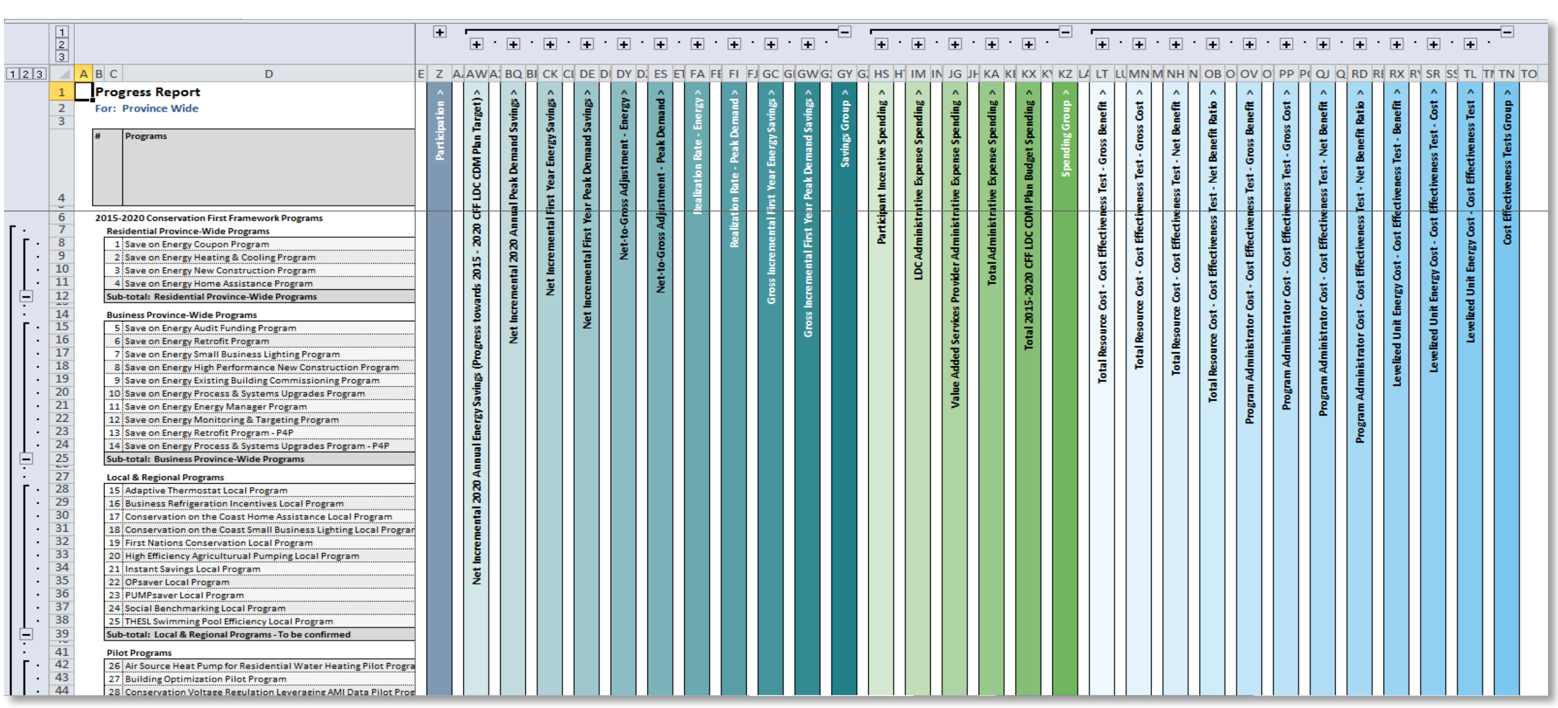
2) program savings results including:
   a) net 2020 annual energy and peak demand savings;
   b) allocated target, target achievement and progress towards target;
   c) incremental net first year energy and peak demand savings;
   d) annual net-to-gross and realization rate adjustments; and
   e) incremental gross first year energy and peak demand savings;
   and where available reported by: i) forecasts; ii) verified actuals; and iii) progress (forecast vs actuals);

3) program spending including:
   a) participation incentive spending;
   b) administrative expense spending (including IESO value-added services costs);
   c) aggregated total spending; and
   d) allocated budget, LDC CDM Plan budget spending and progress towards budget;
   and for each cost: i) forecasts; ii) verified actuals; and iii) progress (forecast vs actuals);

4) program savings results persistence for:
   a) gross energy savings;
   b) gross peak demand savings;
   c) net energy savings; and
   d) net peak demand savings;

by both the LDC specific level and the province-wide aggregated level for 2016 and 2015 including 2015 Adjustments.

This report's format is consistent with the IESO issued Monthly Participation and Cost Report in that it is a dynamic sheet that can be expanded or collapsed by clicking the + button or "Show Detail" feature under the Data tab. Each of the four results categories listed above have been grouped together for easy accessibility.



Please note:
1) Cost Effectiveness Test (CET) results including:
   a) total resource cost test;
   b) program administration cost test;
   c) levelized unit energy cost test;
   and for each test: i) benefits; ii) cost; iii) net benefit; iv) benefit ratio; at the LDC and province wide level will not be available in this report but will be provided to LDCs by September 15 2017, as per the Energy Conservation Agreement, version 3.0.

2) forecasts of: a) activity; b) savings; and c) spending; included in this report are based on approved LDC CDM Plan - Cost Effectiveness Tools as of April 1, 2017 (from the i) Program Design; ii) Budget Inputs; iii) Savings Results; and iv) CE Results; worksheets);
   Please note that this does not contain data for Legacy Framework program spending or CFF pilot program activity, savings, spending or cost effectiveness.

3) Annual FCR Progress only includes Full Cost Recovery funding model program savings results and excludes Pay-for-Performance funding model program savings results.

4) The complete list of approved programs and pilots as of April 1, 2017 approved LDC CDM Plans have been included, however only programs and pilots in market for a sufficient period of time to enable a valid EM&V process will have verified results.

5) 2015 Adjustments consists of projects completed in 2015 but were not reported to the IESO by the 2015 Verified Results Reporting deadline of March 31, 2016.

6) Pilot program savings are attributed to the LDC where the pilot program project is located in; and

7) This Annual Verified Results Report provides results for the LDC and province only. No aggregated reporting is provided for LDCs that are part of a joint CDM plan;

Final Verified 2016 Annual LDC CDM Program Results Report
Summary

For: Enersource Hydro Mississauga Inc.

Results

#	Metric	2015 Verified Results	2016 Verified Results	2015-2016 Verified Results	Allocated Target / Budget	2015-2016 Progress versus Allocated Target / Budget	2015-2020 LDC CDM Plan Forecast	2015-2016 Progress versus 2015-2020 LDC CDM Plan Forecast	2016 LDC CDM Plan Forecast	2016 Progress versus 2016 LDC CDM Plan Forecast	2015-2016 LDC CDM Plan Forecast	2015-2016 Progress versus 2015-2016 LDC CDM Plan Forecast
1	Net Verified Annual Energy Savings Persisting to 2020	75,284 MWh	80,993 MWh	156,277 MWh	483,270 MWh	32 %	483,273 MWh	32 %	79,419 MWh	102 %	149,357 MWh	105 %
2	LDC Ranking - Net Verified Annual Energy Savings Persisting to 2020	6	4	4	4	42	4	42	3	42	4	50
3	Total Spending ($)	$ 0	$ 5,508,333	$ 5,508,333	$ 122,499,403	4 %	$ 123,761,400	4 %	$ 20,565,232	27 %	$ 23,154,176	24 %
4	LDC Ranking - Total Spending ($)	43	8	8	4	68	4	68	4	66	4	66

Annual Results

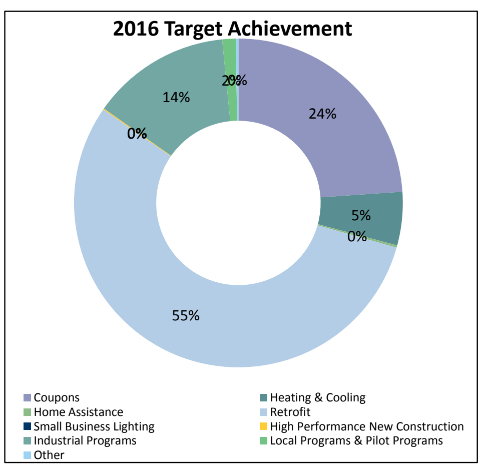
#	Metric	2015	2016	Total
1	Net Verified Annual Energy Savings Persisting to 2020 (MWh)	75,284 MWh	80,993 MWh	**156,277 MWh**
2	Net Verified Incremental First Year Energy Savings (MWh)	87,409 MWh	81,567 MWh	**168,976 MWh**
3	Total Spending ($)	$ 0	$ 5,508,333	**$ 5,508,333**

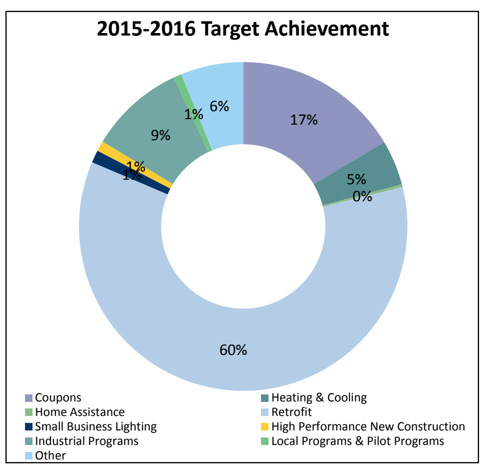
Cost Effectiveness

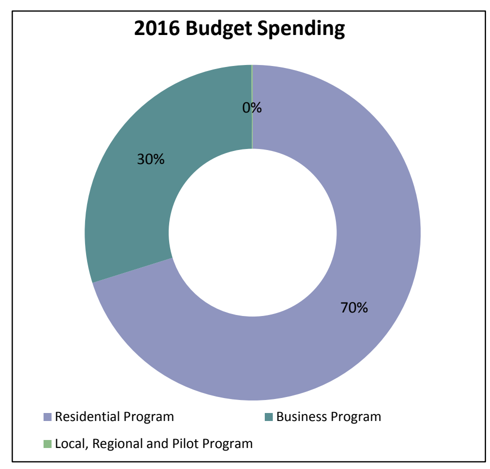
#	Test	2015	2016	Total
1	Total Resource Cost Test (Ratio)	n/a	tbd	**tbd**
2	Program Administrator Cost Test (Ratio)	n/a	tbd	**tbd**
3	Levelized Unit Energy Cost Result (¢/kWh)	n/a	tbd	**tbd**

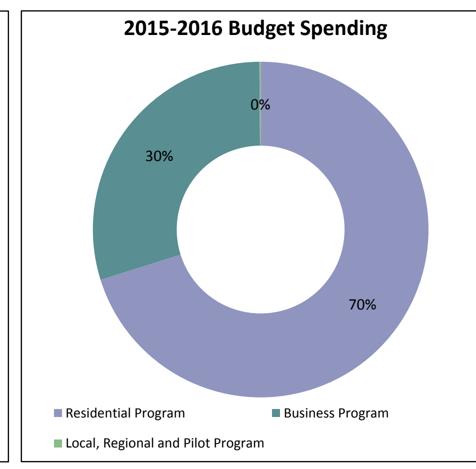
Annual FCR Progress

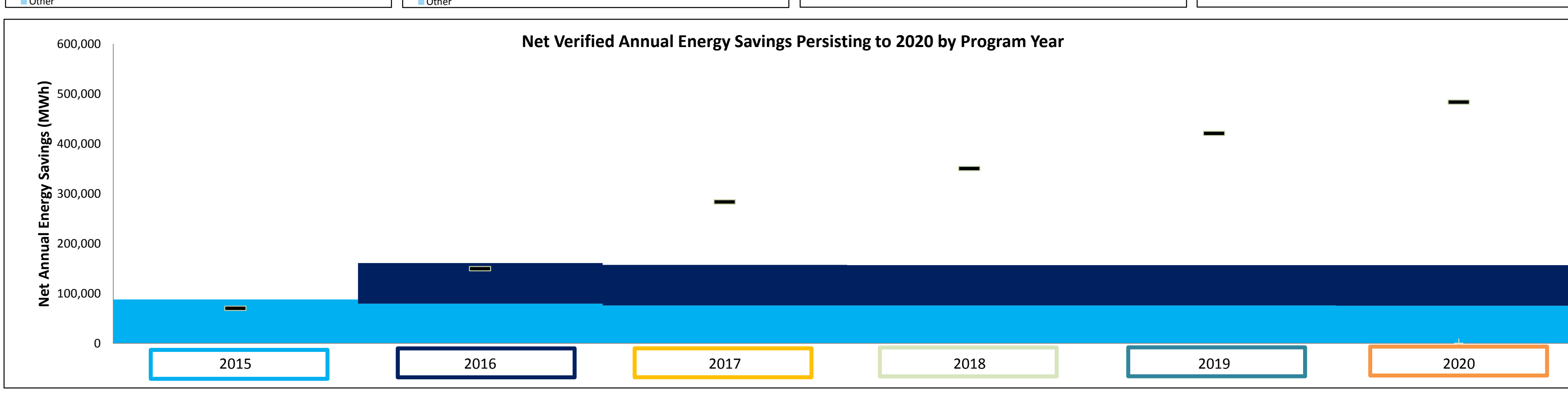
#	Metric	Result
1	2015-2016 Incremental Net Verified 2020 Annual Energy Savings from Full Cost Recovery Programs	**102,815 MWh**
2	2015-2016 Incremental Net 2020 Annual Energy Savingsfrom Full Cost Recovery Program per CDM Plan Forecast	**149,357 MWh**
3	FCR Progress (%)	**69 %**

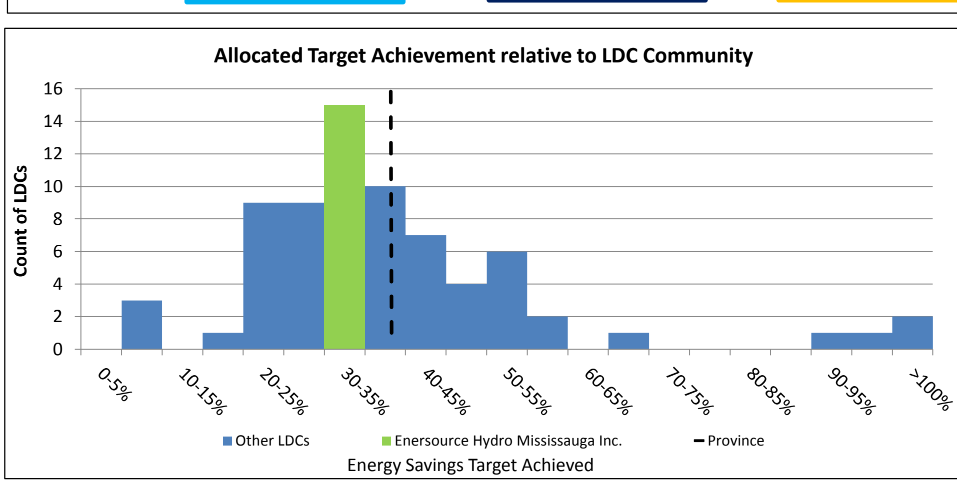


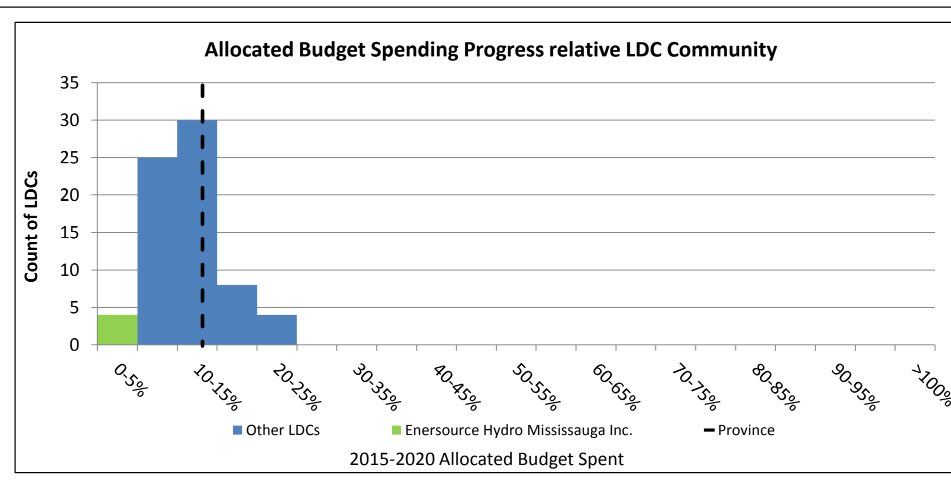












Final Verified 2016 Annual LDC CDM Program Results Report

LDC Rankings

Net Verified Annual Energy Savings Persisting to 2020

#	LDC	2015 Verified Results Value (kWh)	2015 Verified Results LDC Ranking (#)	Verified 2015 Adjustment Results Value (kWh)	Verified Adjusted 2015 Results Value (kWh)	Verified Adjusted 2015 Results LDC Ranking (#)	2016 Verified Results Value (kWh)	2016 Verified Results LDC Ranking (#)	2015-2016 Verified Results Value (kWh)	2015-2016 Verified Results LDC Ranking (#)	Allocated Target Value (kWh)	Allocated Target LDC Ranking (#)
1	Algoma Power Inc.	1,031,011	57	25,818	1,056,828	58	1,285,402	52	2,342,230	56	7,510,000	54
2	Atikokan Hydro Inc.	109,769	67	2,444	112,213	67	189,357	68	301,570	68	1,140,000	67
3	Attawapiskat Power Corporation	35,822	70	2,343	38,165	70	0	69	38,165	70	510,000	70
4	Bluewater Power Distribution Corporation	7,755,327	21	268,687	8,024,013	26	5,570,598	28	13,594,611	30	62,370,000	19
5	Brantford Power Inc.	7,457,011	22	1,458,523	8,915,534	25	10,499,455	19	19,414,989	21	54,320,000	22
6	Burlington Hydro Inc.	12,632,309	18	1,975,945	14,608,254	18	11,531,861	15	26,140,115	16	99,040,000	13
7	Canadian Niagara Power Inc.	3,502,396	37	5,579,808	9,082,204	23	5,553,280	29	14,635,484	27	28,480,000	32
8	Centre Wellington Hydro Ltd.	1,581,029	53	109,971	1,690,999	53	1,548,975	50	3,239,975	52	8,730,000	50
9	Chapleau Public Utilities Corporation	275,333	64	3,485	278,818	64	191,711	67	470,529	66	1,050,000	68
10	COLLUS PowerStream Corp.	1,637,947	51	385,929	2,023,876	49	2,194,349	44	4,218,225	47	16,860,000	39
11	Cooperative Hydro Embrun Inc.	120,443	66	19,234	139,677	66	730,806	57	870,483	62	1,790,000	65
12	E.L.K. Energy Inc.	1,662,553	49	583,829	2,246,382	47	1,963,393	48	4,209,775	48	16,200,000	41
13	Energy+ Inc.	17,245,241	13	60,025,983	77,271,224	5	14,252,795	12	91,524,019	7	100,950,000	12
14	Enersource Hydro Mississauga Inc.	59,582,917	5	15,701,481	75,284,398	6	80,992,918	4	156,277,316	4	483,270,000	4
15	Entegrus Powerlines Inc.	38,558,192	8	3,536,019	42,094,211	9	14,186,934	13	56,281,145	11	56,830,000	21
16	EnWin Utilities Ltd.	14,809,440	15	2,675,379	17,484,819	16	29,365,888	9	46,850,707	12	151,300,000	10
17	Erie Thames Powerlines Corporation	5,180,177	27	922,335	6,102,511	30	2,555,215	40	8,657,726	34	27,630,000	33
18	Espanola Regional Hydro Distribution Corporation	502,006	61	14,537	516,543	62	339,978	65	856,521	63	2,410,000	64
19	Essex Powerlines Corporation	3,819,710	36	1,720,380	5,540,090	33	7,059,017	26	12,599,107	31	31,430,000	30
20	Festival Hydro Inc.	4,822,853	30	2,088,958	6,911,811	27	9,417,074	21	16,328,885	26	34,650,000	28
21	Fort Albany Power Corporation	29,906	71	1,956	31,862	71	0	69	31,862	71	340,000	71
22	Fort Frances Power Corporation	254,688	65	11,215	265,903	65	553,935	60	819,838	64	4,000,000	61
23	Greater Sudbury Hydro Inc.	6,959,582	23	3,141,790	10,101,372	22	9,312,088	22	19,413,460	22	34,740,000	27
24	Grimsby Power Incorporated	2,804,724	40	319,119	3,123,843	40	2,159,053	45	5,282,896	43	10,850,000	48
25	Guelph Hydro Electric Systems Inc.	58,594,547	6	2,215,864	60,810,411	8	8,394,053	24	69,204,463	9	99,040,000	13
26	Halton Hills Hydro Inc.	5,500,566	25	212,955	5,713,521	31	4,755,591	32	10,469,112	33	30,940,000	31
27	Hearst Power Distribution Company Limited	1,510,384	54	985,005	2,495,390	44	2,417,972	42	4,913,361	44	3,180,000	63
28	Horizon Utilities Corporation	70,835,688	4	6,703,611	77,539,298	4	44,884,274	6	122,423,572	6	330,680,000	6
29	Hydro 2000 Inc.	80,683	68	3,633	84,316	68	257,750	66	342,066	67	1,360,000	66
30	Hydro Hawkesbury Inc.	1,162,440	56	26,255	1,188,695	57	1,339,759	51	2,528,454	54	7,920,000	53
31	Hydro One Brampton Networks Inc.	29,578,103	9	6,302,266	35,880,369	10	41,650,660	7	77,531,030	8	255,160,000	7
32	Hydro One Networks Inc.	220,487,100	1	89,902,682	310,389,782	1	208,374,078	2	518,763,860	2	1,220,690,000	2
33	Hydro Ottawa Limited	57,247,836	7	15,553,929	72,801,765	7	59,247,505	5	132,049,269	5	394,540,000	5
34	InnPower Corporation	1,850,172	47	132,220	1,982,392	50	2,561,285	39	4,543,677	46	13,010,000	44
35	Kashechewan Power Corporation	40,200	69	2,629	42,829	69	0	69	42,829	69	520,000	69
36	Kenora Hydro Electric Corporation Ltd.	1,606,080	52	65,793	1,671,873	54	552,901	61	2,224,774	57	5,270,000	57
37	Kingston Hydro Corporation	4,445,966	32	1,046,947	5,492,913	35	2,580,410	38	8,073,324	36	34,500,000	29
38	Kitchener-Wilmot Hydro Inc.	21,865,242	11	2,654,908	24,520,150	12	14,184,542	14	38,704,692	14	105,710,000	11
39	Lakefront Utilities Inc.	2,239,136	44	280,605	2,519,741	43	1,185,986	53	3,705,727	50	12,170,000	45
40	Lakeland Power Distribution Ltd.	4,432,710	33	708,780	5,141,489	37	2,495,021	41	7,636,510	37	15,770,000	42
41	London Hydro Inc.	28,534,591	10	3,454,236	31,988,827	11	31,824,871	8	63,813,698	10	196,660,000	8
42	Midland Power Utility Corporation	2,860,953	39	301,878	3,162,831	39	2,402,265	43	5,565,096	41	10,830,000	49
43	Milton Hydro Distribution Inc.	9,889,501	19	476,099	10,365,601	21	6,501,088	27	16,866,689	25	45,360,000	24
44	Newmarket-Tay Power Distribution Ltd.	8,218,024	20	840,996	9,059,020	24	4,962,518	31	14,021,538	28	36,240,000	26
45	Niagara Peninsula Energy Inc.	12,742,252	17	1,752,111	14,494,363	19	10,838,434	17	25,332,796	18	74,440,000	17
46	Niagara-on-the-Lake Hydro Inc.	2,598,018	42	369,192	2,967,210	41	3,401,852	36	6,369,062	39	11,680,000	46
47	North Bay Hydro Distribution Limited	4,245,690	35	12,427,153	16,672,842	17	4,001,370	34	20,674,212	20	20,260,000	37
48	Northern Ontario Wires Inc.	509,731	60	38,057	547,788	60	907,761	56	1,455,549	59	4,310,000	59
49	Oakville Hydro Electricity Distribution Inc.	21,252,248	12	2,499,447	23,751,695	13	15,431,935	11	39,183,630	13	92,390,000	15
50	Orangeville Hydro Limited	3,398,117	38	314,840	3,712,958	38	2,056,808	46	5,769,766	40	14,150,000	43
51	Orillia Power Distribution Corporation	1,662,040	50	246,213	1,908,253	52	2,008,907	47	3,917,160	49	16,580,000	40
52	Oshawa PUC Networks Inc.	5,046,074	28	1,182,326	6,228,399	29	11,449,535	16	17,677,934	23	73,010,000	18
53	Ottawa River Power Corporation	2,779,858	41	156,362	2,936,220	42	1,812,492	49	4,748,712	45	8,720,000	51
54	Peterborough Distribution Incorporated	4,979,980	29	554,811	5,534,790	34	5,186,524	30	10,721,314	32	37,880,000	25
55	PowerStream Inc.	76,511,169	3	20,976,284	97,487,452	3	103,018,833	3	200,506,286	3	535,440,000	3
56	PUC Distribution Inc.	4,538,096	31	659,247	5,197,342	36	8,793,170	23	13,990,513	29	26,410,000	34
57	Renfrew Hydro Inc.	351,383	63	32,771	384,155	63	418,059	64	802,214	65	4,170,000	60
58	Rideau St. Lawrence Distribution Inc.	1,353,836	55	95,782	1,449,618	56	570,963	59	2,020,581	58	5,020,000	58
59	Sioux Lookout Hydro Inc.	537,110	59	7,737	544,847	61	485,367	63	1,030,214	61	3,700,000	62
60	St. Thomas Energy Inc.	2,146,544	45	188,013	2,334,556	46	4,191,889	33	6,526,446	38	17,510,000	38
61	Thunder Bay Hydro Electricity Distribution Inc.	5,286,985	26	13,266,747	18,553,733	15	7,141,247	25	25,694,979	17	48,420,000	23
62	Tillsonburg Hydro Inc.	1,886,420	46	243,278	2,129,698	48	673,753	58	2,803,451	53	11,310,000	47
63	Toronto Hydro-Electric System Limited	197,146,346	2	78,444,901	275,591,247	2	269,366,448	1	544,957,695	1	1,576,050,000	1
64	Veridian Connections Inc.	16,332,332	14	2,693,631	19,025,963	14	18,086,912	10	37,112,875	15	152,970,000	9
65	Wasaga Distribution Inc.	2,385,191	43	26,401	2,411,591	45	1,165,103	54	3,576,694	51	6,320,000	55
66	Waterloo North Hydro Inc.	12,799,897	16	1,083,855	13,883,752	20	10,576,686	18	24,460,438	19	82,380,000	16
67	Welland Hydro-Electric System Corp.	1,729,306	48	230,560	1,959,866	51	3,416,423	35	5,376,290	42	25,500,000	35
68	Wellington North Power Inc.	709,927	58	86,269	796,196	59	522,470	62	1,318,666	60	5,890,000	56
69	West Coast Huron Energy Inc.	438,855	62	1,041,276	1,480,131	55	1,033,396	55	2,513,526	55	8,080,000	52
70	Westario Power Inc.	4,282,957	34	1,285,842	5,568,799	32	3,071,071	37	8,639,870	35	23,010,000	36
71	Whitby Hydro Electric Corporation	6,210,809	24	410,389	6,621,198	28	10,455,293	20	17,076,491	24	58,440,000	20
Total		1,117,489,826		372,776,418	1,490,266,244		1,154,154,798		2,644,421,042		6,999,990,000	

Net Verified Annual Energy Savings Persisting to 2020 (continued)

#	LDC	2015-2016 Progress versus Allocated Target Value (%)	LDC Ranking (#)	2015-2020 LDC CDM Plan Forecast Value (kWh)	LDC Ranking (#)	2015-2016 Progress versus 2015-2020 LDC CDM Plan Forecast Value (%)	LDC Ranking (#)	2016 LDC CDM Plan Forecast Value (kWh)	LDC Ranking (#)	2016 Progress versus 2016 LDC CDM Plan Forecast Value (%)	LDC Ranking (#)	2015-2016 LDC CDM Plan Forecast Value (kWh)	LDC Ranking (#)	2015-2016 Progress versus 2015-2016 LDC CDM Plan Forecast Value (%)	LDC Ranking (#)
1	Algoma Power Inc.	31	45	11,100,760	47	21	66	816,284	54	157	16	1,777,226	53	132	34
2	Atikokan Hydro Inc.	26	54	1,139,590	67	26	52	127,788	71	148	18	170,828	71	177	17
3	Attawapiskat Power Corporation	7	71	556,816	69	7	71	209,344	66	0	69	209,344	68	18	70
4	Bluewater Power Distribution Corporation	22	65	62,370,000	19	22	64	7,092,037	25	79	56	14,839,910	25	92	57
5	Brantford Power Inc.	36	33	54,880,608	23	35	36	9,918,198	18	106	39	17,760,851	22	109	46
6	Burlington Hydro Inc.	26	55	99,040,000	14	26	53	11,672,695	15	99	47	18,090,682	21	144	24
7	Canadian Niagara Power Inc.	51	12	28,104,418	31	52	15	4,745,580	30	117	29	11,046,585	27	132	33
8	Centre Wellington Hydro Ltd.	37	30	8,729,845	50	37	33	2,771,886	40	56	62	4,123,814	39	79	60
9	Chapleau Public Utilities Corporation	45	18	1,057,696	68	44	21	134,983	70	142	21	508,197	62	93	56
10	COLLUS PowerStream Corp.	25	58	16,860,000	38	25	57	2,047,097	42	107	38	3,784,720	41	111	43
11	Cooperative Hydro Embrun Inc.	49	15	1,790,697	65	49	18	241,547	65	303	2	320,602	66	272	9
12	E.L.K. Energy Inc.	26	56	16,203,264	40	26	54	1,785,578	45	110	36	3,064,492	45	137	29
13	Energy+ Inc.	91	4	106,219,451	11	86	4	10,054,813	17	142	22	67,208,866	8	136	30
14	Enersource Hydro Mississauga Inc.	32	42	483,273,204	4	32	42	79,419,033	3	102	42	149,356,740	4	105	50
15	Entegrus Powerlines Inc.	99	3	62,079,147	20	91	3	5,611,768	27	253	4	34,007,927	14	165	21
16	EnWin Utilities Ltd.	31	47	152,801,848	10	31	45	44,722,046	5	66	61	64,562,249	9	73	62
17	Erie Thames Powerlines Corporation	31	44	39,589,797	26	22	63	3,215,423	37	79	55	21,956,460	19	39	68
18	Espanola Regional Hydro Distribution Corporation	36	34	1,998,806	64	43	23	328,608	64	103	40	328,608	65	261	10
19	Essex Powerlines Corporation	40	24	31,430,000	28	40	29	7,103,736	24	99	46	9,728,188	29	130	35
20	Festival Hydro Inc.	47	17	29,884,429	30	55	10	4,336,821	31	217	7	4,336,821	36	377	5
21	Fort Albany Power Corporation	9	69	373,387	71	9	70	197,235	68	0	69	197,235	70	16	71
22	Fort Frances Power Corporation	20	67	3,687,415	61	22	62	348,835	63	159	15	486,914	64	168	19
23	Greater Sudbury Hydro Inc.	56	7	23,985,670	34	81	5	3,943,302	34	236	5	3,943,302	40	492	2
24	Grimsby Power Incorporated	49	14	10,863,961	48	49	17	1,870,647	44	115	33	3,670,614	42	144	25
25	Guelph Hydro Electric Systems Inc.	70	5	99,040,001	13	70	7	7,470,386	22	112	35	59,741,607	11	116	41
26	Halton Hills Hydro Inc.	34	38	30,962,677	29	34	39	3,268,861	36	145	20	6,234,990	34	168	20
27	Hearst Power Distribution Company Limited	155	1	3,183,595	62	154	1	369,657	62	654	1	1,033,780	59	475	3
28	Horizon Utilities Corporation	37	31	366,197,247	6	33	41	41,674,275	7	108	37	116,705,818	5	105	49
29	Hydro 2000 Inc.	25	57	1,360,459	66	25	56	165,677	69	156	17	215,261	67	159	22
30	Hydro Hawkesbury Inc.	32	43	7,920,346	53	32	43	1,335,307	50	100	44	2,406,871	49	105	48
31	Hydro One Brampton Networks Inc.	30	49	255,160,000	7	30	46	40,763,367	8	102	41	70,364,866	7	110	45
32	Hydro One Networks Inc.	42	19	1,263,550,435	2	41	26	257,427,028	2	81	54	477,719,756	1	109	47
33	Hydro Ottawa Limited	33	40	394,559,846	5	33	40	42,147,373	6	141	23	99,489,881	6	133	32
34	InnPower Corporation	35	35	13,009,980	43	35	37	3,158,377	38	81	53	4,728,558	35	96	54
35	Kashechewan Power Corporation	8	70	438,286	70	10	69	209,344	66	0	69	209,344	68	20	69
36	Kenora Hydro Electric Corporation Ltd.	42	21	5,269,561	56	42	24	1,403,058	48	39	65	1,596,071	56	139	28
37	Kingston Hydro Corporation	23	63	37,182,911	27	22	65	11,465,768	16	23	68	14,206,168	26	57	65
38	Kitchener-Wilmot Hydro Inc.	37	32	105,712,088	12	37	34	17,127,724	12	83	52	27,136,429	16	143	27
39	Lakefront Utilities Inc.	30	48	12,201,915	44	30	47	1,739,771	46	68	60	3,639,829	43	102	51
40	Lakeland Power Distribution Ltd.	48	16	15,832,919	41	48	20	1,345,374	49	185	9	4,319,290	37	177	16
41	London Hydro Inc.	32	41	219,747,453	8	29	50	34,869,274	9	91	49	63,862,340	10	100	53
42	Midland Power Utility Corporation	51	13	10,830,000	49	51	16	1,433,109	47	168	14	3,063,543	46	182	14
43	Milton Hydro Distribution Inc.	37	29	45,363,753	24	37	32	5,584,323	28	116	30	9,970,719	28	169	18
44	Newmarket-Tay Power Distribution Ltd.	39	25	26,923,645	32	52	14	4,271,910	32	116	32	4,271,910	38	328	7
45	Niagara Peninsula Energy Inc.	34	37	74,440,000	17	34	38	7,449,258	23	145	19	20,191,139	20	125	36
46	Niagara-on-the-Lake Hydro Inc.	55	8	11,877,636	46	54	13	3,546,990	35	96	48	6,289,627	33	101	52
47	North Bay Hydro Distribution Limited	102	2	17,933,641	37	115	2	2,300,259	41	174	12	2,300,259	50	899	1
48	Northern Ontario Wires Inc.	34	39	2,998,209	63	49	19	492,913	61	184	10	492,913	63	295	8
49	Oakville Hydro Electricity Distribution Inc.	42	20	93,974,490	15	42	25	13,265,566	14	116	31	34,517,814	13	114	42
50	Orangeville Hydro Limited	41	22	14,301,698	42	40	27	1,194,829	51	172	13	2,889,637	47	200	11
51	Orillia Power Distribution Corporation	24	62	16,653,694	39	24	60	5,922,408	26	34	66	7,529,238	32	52	66
52	Oshawa PUC Networks Inc.	24	61	73,010,000	18	24	59	8,484,484	20	135	24	24,199,815	18	73	61
53	Ottawa River Power Corporation	54	9	8,724,947	51	54	11	985,681	52	184	11	2,614,339	48	182	15
54	Peterborough Distribution Incorporated	28	52	42,122,834	25	25	55	20,077,835	10	26	67	25,666,491	17	42	67
55	PowerStream Inc.	37	27	535,440,000	3	37	31	76,738,762	4	134	25	165,941,199	3	121	38
56	PUC Distribution Inc.	53	11	18,988,655	36	74	6	3,121,781	39	282	3	3,121,781	44	448	4
57	Renfrew Hydro Inc.	19	68	4,169,705	59	19	68	595,808	58	70	58	946,461	60	85	59
58	Rideau St. Lawrence Distribution Inc.	40	23	5,020,495	57	40	28	561,831	59	102	43	1,627,920	55	124	37
59	Sioux Lookout Hydro Inc.	28	53	3,699,848	60	28	51	621,773	57	78	57	764,616	61	135	31
60	St. Thomas Energy Inc.	37	28	11,992,835	45	54	12	1,971,651	43	213	8	1,971,651	51	331	6
61	Thunder Bay Hydro Electricity Distribution Inc.	53	10	58,393,454	22	44	22	17,239,812	11	41	64	36,097,692	12	71	63
62	Tillsonburg Hydro Inc.	25	59	4,901,901	58	57	8	741,159	56	91	50	1,483,941	57	189	13
63	Toronto Hydro-Electric System Limited	35	36	1,437,213,978	1	38	30	270,786,926	1	99	45	467,933,206	2	116	40
64	Veridian Connections Inc.	24	60	152,970,000	9	24	58	14,873,397	13	122	28	31,199,796	15	119	39
65	Wasaga Distribution Inc.	57	6	6,319,847	54	57	9	530,215	60	220	6	1,837,059	52	195	12
66	Waterloo North Hydro Inc.	30	50	82,384,212	16	30	48	8,465,944	21	125	26	15,800,261	23	155	23
67	Welland Hydro-Electric System Corp.	21	66	25,500,101	33	21	67	3,976,815	33	86	51	8,694,159	31	62	64
68	Wellington North Power Inc.	22	64	5,897,926	55	22	61	757,400	55	69	59	1,467,327	58	90	58
69	West Coast Huron Energy Inc.	31	46	8,175,845	52	31	44	829,562	53	125	27	1,752,338	54	143	26
70	Westario Power Inc.	38	26	23,824,531	35	36	35	5,570,909	29	55	63	9,007,283	30	96	55
71	Whitby Hydro Electric Corporation	29	51	58,440,000	21	29	49	9,262,887	19	113	34	15,473,631	24	110	44
Total		38		6,961,838,409		38		1,160,312,103		99		2,298,209,799		115	

Total Spending

#	LDC	2015 Verified Spending Value ($)	LDC Ranking (#)	Verified 2015 Adjustment Spending Value ($)	Verified Adjusted 2015 Spending Value ($)	LDC Ranking (#)	2016 Verified Spending Value ($)	LDC Ranking (#)	2015-2016 Verified Spending Value ($)	LDC Ranking (#)	Allocated Budget Value ($)	LDC Ranking (#)	2015-2016 Progress versus Allocated Budget Value (%)	LDC Ranking (#)	2015-2020 LDC CDM Plan Forecast Value ($)	LDC Ranking (#)	2015-2016 Progress versus 2015-2020 LDC CDM Plan Forecast Value (%)	LDC Ranking (#)	2016 LDC CDM Plan Forecast Value ($)	LDC Ranking (#)	2016 Progress versus 2016 LDC CDM Plan Forecast Value (%)	LDC Ranking (#)	2015-2016 LDC CDM Plan Forecast Value ($)	LDC Ranking (#)	2015-2016 Progress versus 2015-2016 LDC CDM Plan Forecast Value (%)	LDC Ranking (#)
1	Algoma Power Inc.	39,320	22	59,951	99,271	20	344,836	47	444,108	42	2,107,963	53	21	3	3,449,717	45	13	24	683,154	43	50	51	737,814	43	60	37
2	Atikokan Hydro Inc.	0	30	0	0	43	50,265	66	50,265	66	311,330	67	16	9	374,405	70	13	19	56,766	71	89	8	56,772	71	89	10
3	Attawapiskat Power Corporation	0	30	0	0	43	0	69	0	69	148,832	70	0	69	1,846,142	54	0	69	386,748	52	0	69	386,748	52	0	69
4	Bluewater Power Distribution Corporation	5,119	29	0	5,119	41	1,340,938	26	1,346,056	27	15,838,687	20	8	56	15,838,687	20	8	54	2,579,261	19	52	48	2,584,380	21	52	50
5	Brantford Power Inc.	0	30	29,000	29,000	30	1,564,432	22	1,593,432	24	14,048,458	22	11	30	11,591,730	23	14	16	2,207,285	23	71	29	2,236,285	23	71	28
6	Burlington Hydro Inc.	118,667	17	193,116	311,783	12	2,472,234	12	2,784,017	13	25,825,521	13	11	37	25,890,159	12	11	38	3,893,532	15	63	35	4,877,008	12	57	43
7	Canadian Niagara Power Inc.	162,334	14	58,069	220,403	13	1,200,961	27	1,421,364	26	7,355,555	33	19	5	6,338,440	35	22	4	1,589,930	29	76	22	1,643,473	29	86	12
8	Centre Wellington Hydro Ltd.	0	30	0	0	43	276,194	49	276,194	50	2,252,724	51	12	26	2,252,724	51	12	29	651,826	44	42	59	651,826	44	42	59
9	Chapleau Public Utilities Corporation	0	30	3,354	3,354	42	19,890	68	23,244	68	298,764	68	8	60	298,764	71	8	59	57,618	69	35	64	57,618	69	40	62
10	COLLUS PowerStream Corp.	157,689	15	0	157,689	16	636,318	33	794,008	31	4,446,841	39	18	7	4,446,841	39	18	8	842,348	39	76	21	1,118,451	35	71	30
11	Cooperative Hydro Embrun Inc.	0	30	0	0	43	61,223	64	61,223	65	525,743	65	12	28	525,743	68	12	31	78,227	68	78	16	78,227	68	78	17
12	E.L.K. Energy Inc.	0	30	0	0	43	435,083	42	435,083	43	4,273,057	41	10	41	4,273,057	41	10	42	504,219	48	86	10	504,219	48	86	13
13	Energy+ Inc.	0	30	0	0	43	2,916,887	11	2,916,887	11	25,873,071	12	11	32	23,678,815	14	12	28	4,939,935	10	59	38	4,939,935	11	59	39
14	Enersource Hydro Mississauga Inc.	0	30	0	0	43	5,508,332	8	5,508,332	8	122,499,403	4	4	68	123,761,401	4	4	68	20,565,231	4	27	66	23,154,175	4	24	66
15	Entegrus Powerlines Inc.	374,365	8	60,099	434,464	8	2,370,550	14	2,805,014	12	14,695,867	21	19	6	13,843,474	21	20	6	2,447,799	20	97	5	3,048,339	19	92	6
16	EnWin Utilities Ltd.	0	30	111,618	111,618	19	2,430,728	13	2,542,346	15	38,421,929	10	7	64	38,421,929	10	7	64	11,447,244	8	21	67	11,447,244	8	22	67
17	Erie Thames Powerlines Corporation	23,149	25	19,384	42,533	26	561,528	39	604,060	37	7,104,954	34	9	55	7,020,999	33	9	52	1,352,450	30	42	60	1,524,690	30	40	63
18	Espanola Regional Hydro Distribution Corporation	5,306	28	0	5,306	40	57,969	65	63,275	63	685,489	64	9	48	759,788	67	8	57	141,751	63	41	61	141,751	64	45	58
19	Essex Powerlines Corporation	176,840	12	6,737	183,577	14	1,818,727	18	2,002,304	17	8,532,573	30	23	1	8,421,412	30	24	3	1,871,165	25	97	4	2,199,199	25	91	8
20	Festival Hydro Inc.	0	30	8,075	8,075	37	1,003,864	29	1,011,939	29	8,768,149	28	12	29	8,768,149	28	12	32	1,323,777	32	76	20	1,323,777	33	76	18
21	Fort Albany Power Corporation	0	30	0	0	43	0	69	0	69	98,990	71	0	69	1,682,107	58	0	69	345,251	55	0	69	345,251	55	0	69
22	Fort Frances Power Corporation	0	30	0	0	43	92,580	60	92,580	60	1,109,758	60	8	59	1,119,638	63	8	58	124,580	66	74	23	124,601	66	74	23
23	Greater Sudbury Hydro Inc.	112,497	18	0	112,497	18	1,425,683	24	1,538,180	25	9,672,498	26	16	10	9,117,459	27	17	10	1,701,015	28	84	12	1,701,015	28	90	9
24	Grimsby Power Incorporated	0	30	34,500	34,500	29	292,926	48	327,426	48	2,894,613	47	11	31	2,894,612	47	11	33	633,209	45	46	57	633,209	45	52	52
25	Guelph Hydro Electric Systems Inc.	278,441	10	103,065	381,506	11	1,377,942	25	1,759,447	20	24,920,625	14	7	62	23,290,402	15	8	60	3,782,778	16	36	63	4,255,743	16	41	61
26	Halton Hills Hydro Inc.	0	30	0	0	43	604,017	35	604,017	38	8,387,497	31	7	61	8,387,497	31	7	62	1,310,004	33	46	58	1,458,606	31	41	60
27	Hearst Power Distribution Company Limited	0	30	10,063	10,063	36	71,209	62	81,272	62	843,903	63	10	45	843,903	66	10	45	122,762	67	58	39	122,762	67	66	36
28	Horizon Utilities Corporation	2,679,921	3	194,944	2,874,865	3	10,061,393	5	12,936,258	5	84,830,304	6	15	12	84,830,304	6	15	13	14,826,453	6	68	32	17,664,321	5	73	25
29	Hydro 2000 Inc.	0	30	0	0	43	41,957	67	41,957	67	394,750	66	11	38	394,750	69	11	39	56,806	70	74	24	56,806	70	74	24
30	Hydro Hawkesbury Inc.	0	30	0	0	43	189,396	52	189,396	53	2,139,160	52	9	51	2,139,160	52	9	50	399,100	51	47	56	399,100	51	47	57
31	Hydro One Brampton Networks Inc.	363,847	9	139,709	503,556	7	7,314,450	7	7,818,006	7	66,798,531	7	12	27	66,798,530	7	12	30	14,629,427	7	50	52	14,994,829	7	52	49
32	Hydro One Networks Inc.	1,742,284	4	32,818	1,775,101	5	44,738,829	1	46,513,930	2	338,355,409	2	14	16	341,857,197	1	14	17	62,293,684	2	72	27	63,838,190	2	73	26
33	Hydro Ottawa Limited	389,296	7	0	389,296	10	13,469,631	4	13,858,927	4	105,242,155	5	13	19	105,242,156	5	13	21	17,214,251	5	78	17	17,591,400	6	79	16
34	InnPower Corporation	0	30	0	0	43	467,510	41	467,510	41	3,680,241	44	13	23	3,680,241	44	13	25	851,157	37	55	45	851,157	38	55	48
35	Kashechewan Power Corporation	0	30	0	0	43	0	69	0	69	155,966	69	0	69	1,741,263	56	0	69	358,436	54	0	69	358,436	54	0	69
36	Kenora Hydro Electric Corporation Ltd.	0	30	0	0	43	124,005	59	124,005	59	1,407,448	57	9	52	1,688,937	57	7	61	220,129	59	56	43	220,150	59	56	46
37	Kingston Hydro Corporation	0	30	17,728	17,728	34	566,812	38	584,540	39	8,674,286	29	7	63	8,631,873	29	7	63	1,716,251	27	33	65	1,716,251	27	34	65
38	Kitchener-Wilmot Hydro Inc.	0	30	0	0	43	1,754,249	20	1,754,249	21	27,710,719	11	6	65	27,710,719	11	6	65	4,634,072	14	38	62	4,634,072	15	38	64
39	Lakefront Utilities Inc.	0	30	0	0	43	265,025	50	265,025	51	3,077,834	45	9	53	3,077,834	46	9	51	511,743	46	52	49	511,744	46	52	51
40	Lakeland Power Distribution Ltd.	0	30	0	0	43	433,380	43	433,380	44	4,142,391	42	10	40	4,142,392	42	10	41	511,363	47	85	11	511,364	47	85	14
41	London Hydro Inc.	1,611,279	5	506,532	2,117,811	4	8,721,449	6	10,839,260	6	51,192,690	8	21	2	51,389,905	8	21	5	9,187,376	9	95	7	10,660,376	9	102	3
42	Midland Power Utility Corporation	0	30	0	0	43	345,045	46	345,045	47	2,739,690	49	13	24	2,739,690	48	13	26	432,693	49	80	14	432,694	49	80	15
43	Milton Hydro Distribution Inc.	0	30	41,699	41,699	27	1,563,222	23	1,604,921	23	11,911,927	24	13	17	11,908,123	22	13	18	2,051,810	24	76	18	2,205,823	24	73	27
44	Newmarket-Tay Power Distribution Ltd.	51,311	20	0	51,311	23	1,009,481	28	1,060,792	28	9,649,555	27	11	35	9,993,198	25	11	40	1,842,766	26	55	46	1,842,766	26	58	41
45	Niagara Peninsula Energy Inc.	0	30	40,000	40,000	28	2,317,811	15	2,357,811	16	19,056,865	18	12	25	19,056,865	18	12	27	2,378,879	22	97	3	2,378,879	22	99	4
46	Niagara-on-the-Lake Hydro Inc.	0	30	0	0	43	424,921	44	424,921	45	2,993,633	46	14	14	2,321,538	49	18	7	828,092	40	51	50	828,092	41	51	53
47	North Bay Hydro Distribution Limited	27,296	23	0	27,296	31	713,129	32	740,425	33	5,545,424	37	13	18	5,738,692	37	13	23	992,259	35	72	26	992,259	37	75	22
48	Northern Ontario Wires Inc.	6,212	27	0	6,212	39	156,126	56	162,339	56	1,174,934	59	14	15	1,139,682	62	14	15	212,627	61	73	25	212,627	61	76	19
49	Oakville Hydro Electricity Distribution Inc.	0	30	77,518	77,518	21	3,120,547	10	3,198,065	10	24,575,982	15	13	21	24,574,176	13	13	22	4,665,101	13	67	33	4,742,101	13	67	34
50	Orangeville Hydro Limited	0	30	0	0	43	229,432	51	229,432	52	3,705,603	43	6	66	3,705,604	43	6	66	412,100	50	56	44	412,100	50	56	47
51	Orillia Power Distribution Corporation	0	30	17,378	17,378	35	605,352	34	622,730	35	4,318,856	40	14	13	4,289,364	40	15	14	765,330	42	79	15	831,580	40	75	21
52	Oshawa PUC Networks Inc.	0	30	24,000	24,000	33	1,975,382	17	1,999,382	18	19,963,922	17	10	42	19,918,698	17	10	43	3,504,522	17	56	42	3,504,522	17	57	44
53	Ottawa River Power Corporation	0	30	0	0	43	353,106	45	353,106	46	2,282,373	50	15	11	2,282,373	50	15	12	366,122	53	96	6	366,122	53	96	5
54	Peterborough Distribution Incorporated	0	30	43,197	43,197	25	847,015	30	890,212	30	9,781,455	25	9	49	9,581,681	26	9	48	4,697,210	12	18	68	4,697,210	14	19	68
55	PowerStream Inc.	5,019,130	2	0	5,019,130	2	19,030,891	3	24,050,021	3	140,696,240	3	17	8	140,696,240	3	17	9	26,679,186	3	71	28	34,058,295	3	71	31
56	PUC Distribution Inc.	58,515	19	0	58,515	22	729,307	31	787,822	32	7,440,107	32	11	39	7,217,989	32	11	37	1,346,637	31	54	47	1,346,637	32	59	40
57	Renfrew Hydro Inc.	8,025	26	0	8,025	38	82,258	61	90,283	61	1,070,574	61	8	57	1,070,547	64	8	55	170,067	62	48	53	178,092	62	51	54
58	Rideau St. Lawrence Distribution Inc.	0	30	0	0	43	124,517	58	124,517	58	1,306,239	58	10	46	1,306,239	60	10	46	217,038	60	57	40	217,038	60	57	42
59	Sioux Lookout Hydro Inc.	0	30	0	0	43	61,605	63	61,605	64	1,016,095	62	6	67	1,219,314	61	5	67	128,495	64	48	55	128,512	65	48	56
60	St. Thomas Energy Inc.	25,415	24	0	25,415	32	579,723	36	605,138	36	4,643,532	38	13	20	4,558,730	38	13	20	850,507	38	68	31	850,507	39	71	29
61	Thunder Bay Hydro Electricity Distribution Inc.	485,575	6	48,109	533,684	6	2,110,681	16	2,644,365	14	12,927,445	23	20	4	10,763,047	24	25	2	2,413,463	21	87	9	2,885,599	20	92	7
62	Tillsonburg Hydro Inc.	122,716	16	0	122,716	17	158,627	55	281,343	49	2,881,461	48	10	43	939,108	65	30	1	126,641	65	125	2	167,576	63	168	2
63	Toronto Hydro-Electric System Limited	7,855,850	1	396,666	8,252,517	1	42,611,695	2	50,864,212	1	400,296,506	1	13	22	320,548,882	2	16	11	64,707,553	1	66	34	72,960,069	1	70	33
64	Veridian Connections Inc.	275,672	11	121,369	397,041	9	4,125,057	9	4,522,099	9	40,482,340	9	11	33	40,482,340	9	11	34	4,935,532	11	84	13	5,203,645	10	87	11
65	Wasaga Distribution Inc.	0	30	0	0	43	176,877	53	176,877	54	1,814,647	55	10	44	1,814,647	55	10	44	232,600	58	76	19	232,600	58	76	20
66	Waterloo North Hydro Inc.	0	30	0	0	43	1,816,067	19	1,816,067	19	21,192,868	16	9	54	21,192,868	16	9	53	3,185,447	18	57	41	3,185,447	18	57	45
67	Welland Hydro-Electric System Corp.	163,173	13	0	163,173	15	571,216	37	734,389	34	6,584,437	35	11	34	6,584,434	34	11	35	932,633	36	61	36	1,108,547	36	66	35
68	Wellington North Power Inc.	0	30	0	0	43	141,935	57	141,935	57	1,493,412	56	10	47	1,493,412	59	10	47	236,870	57	60	37	236,870	57	60	38
69	West Coast Huron Energy Inc.	0	30	0	0	43	169,605	54	169,605	55	2,012,404	54	8	58	2,012,404	53	8	56	240,844	56	70	30	240,844	56	70	32
70	Westario Power Inc.	0	30	0	0	43	553,926	40	553,926	40	6,101,269	36	9	50	6,101,269	36	9	49	1,152,483	34	48	54	1,152,485	34	48	55
71	Whitby Hydro Electric Corporation	50,281	21	0	50,281	24	1,690,118	21	1,740,399	22	15,860,460	19	11	36	15,860,460	19	11	36	811,391	41	208	1	811,391	42	214	1
Total		22,426,566		2,398,699	24,825,265		205,478,075		230,303,339		1,835,264,933		13		1,753,574,871		13		324,567,014		63		353,772,247		65	

Progress Report

For: Enersource Hydro Mississauga Inc.

Participation >

Net Incremental 2020 Annual Energy Savings (Progress towards 2015 - 2020 CFF LDC CDM Plan Target) >

Net Incremental 2020 Annual Peak Demand Savings >

Net Incremental First Year Energy Savings

#	Programs	Forecasted (kWh) 2015	2016	2017	2018	2019	2020	Total	Verified (kWh) 2015	2015 Adjustment in 2016	Adjusted 2015	2016	Total	Progress (%) Adjusted 2015	2016	Total
2015-2020 Conservation First Framework Programs																
Residential Province-Wide Programs																
1	Save on Energy Coupon Program	0	4,527,669	2,263,834	0	0	0	6,791,503	0	0	0	19,370,627	19,370,627		428%	428%
2	Save on Energy Heating & Cooling Program	0	1,904,603	1,904,603	1,904,603	1,904,603	1,904,603	9,523,015	0	0	0	4,246,239	4,246,239		223%	223%
3	Save on Energy New Construction Program	0	0	0	0	0	0	0	0	0	0	0	0			
4	Save on Energy Home Assistance Program	0	255,315	236,770	205,101	172,394	161,535	1,031,115	0	0	0	181,241	181,241		71%	71%
Sub-total: Residential Province-Wide Programs		0	6,687,587	4,405,207	2,109,704	2,076,997	2,066,138	17,345,633	0	0	0	23,798,107	23,798,107		356%	356%
Business Province-Wide Programs																
5	Save on Energy Audit Funding Program	0	5,834,098	12,306,301	14,152,246	14,859,859	8,204,201	55,356,705	0	77,834	77,834	210,282	288,116		4%	5%
6	Save on Energy Retrofit Program	10,358,504	52,034,905	18,049,712	15,070,222	13,592,430	12,233,187	121,338,960	0	210,218	210,218	3,976,883	4,187,101	2%	8%	7%
7	Save on Energy Small Business Lighting Program	0	1,179,691	12,940,593	2,484,354	1,666,834	1,503,757	19,775,229	0	0	0	0	0		0%	0%
8	Save on Energy High Performance New Construction Program	0	399,000	399,000	399,000	399,000	399,000	1,995,000	0	0	0	82,648	82,648		21%	21%
9	Save on Energy Existing Building Commissioning Program	0	385,515	385,515	385,515	385,515	385,515	1,927,575	0	0	0	0	0		0%	0%
10	Save on Energy Process & Systems Upgrades Program	0	12,331,880	35,691,023	10,856,666	14,928,100	15,274,733	89,082,402	0	0	0	0	0		0%	0%
11	Save on Energy Energy Manager Program	0	3,000,000	3,000,000	3,600,000	3,600,000	3,600,000	16,800,000	0	0	0	388,603	388,603		13%	13%
12	Save on Energy Monitoring & Targeting Program	0	2,500,000	2,500,000	2,500,000	3,750,000	3,750,000	15,000,000	0	0	0	0	0		0%	0%
13	Save on Energy Retrofit Program - P4P	0	0	0	0	0	0	0	0	1,731,152	1,731,152	41,083,220	42,814,372			
14	Save on Energy Process & Systems Upgrades Program - P4P	0	0	0	0	0	0	0	0	0	0	10,957,531	10,957,531			
Sub-total: Business Province-Wide Programs		10,358,504	77,665,089	85,272,144	49,448,003	53,181,738	45,350,393	321,275,871	0	2,019,204	2,019,204	56,699,167	58,718,371	19%	73%	67%
Local & Regional Programs																
15	Adaptive Thermostat Local Program	0	0	0	0	0	0	0	0	0	0	0	0			
16	Business Refrigeration Incentives Local Program	0	0	1,213,915	1,288,252	1,073,048	837,752	4,412,967	0	0	0	0	0			
17	Conservation on the Coast Home Assistance Local Program	0	0	0	0	0	0	0	0	0	0	0	0			
18	Conservation on the Coast Small Business Lighting Local Program	0	0	0	0	0	0	0	0	0	0	0	0			
19	First Nations Conservation Local Program	0	0	0	0	0	0	0	0	0	0	0	0			
20	High Efficiency Agriculturual Pumping Local Program	0	0	0	0	0	0	0	0	0	0	0	0			
21	Instant Savings Local Program	0	0	0	0	0	0	0	0	0	0	0	0			
22	OPsaver Local Program	0	0	0	0	0	0	0	0	0	0	0	0			
23	PUMPsaver Local Program	0	0	0	0	0	0	0	0	0	0	0	0			
24	Social Benchmarking Local Program	0	0	0	0	0	0	0	0	0	0	0	0			
25	THESL Swimming Pool Efficiency Local Program	0	0	0	0	0	0	0	0	0	0	0	0			
Sub-total: Local & Regional Programs		0	0	1,213,915	1,288,252	1,073,048	837,752	4,412,967	0	0	0	0	0			
LDC Innovation Fund Pilot Programs																
26	Air Source Heat Pump for Residential Water Heating Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
27	Building Optimization Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
28	Conservation Voltage Regulation Leveraging AMI Data Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
29	Demand Control Kitchen Ventilation Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
30	Direct Install - Hydronic Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
31	Direct Install - RTU Controls Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
32	Electronically Commutated Furnace Motor Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
33	Electronics Takeback Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
34	Home Energy Assessment and Retrofit Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
35	HONI HP Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
36	P4P for Class B Office Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
37	Performance Based Conservation Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
38	Re-Invest Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
39	Residential Direct Install Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
40	Residential Direct Mail Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
41	Residential Ductless Heat Pump Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
42	Residential Install Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
43	Social Benchmarking Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
44	Solar Powered Attic Ventilation Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
45	Truckload Event Pilot Program	0	0	0	0	0	0	0	0	0	0	1,067,232	1,067,232			
Sub-total: LDC Innovation Fund Pilot Programs		0	0	0	0	0	0	0	0	0	0	1,067,232	1,067,232			
Program Enabled Savings																
46	Save on Energy Retrofit Program Enabled Savings	-	-	-	-	-	-	-	-	-	-	-	-			
47	Save on Energy High Performance New Construction Program Enabled Savi	-	-	-	-	-	-	-	-	-	-	-	-			
48	Save on Energy Process & Systems Upgrades Program Enabled Savings	-	-	-	-	-	-	-	-	-	-	-	-			
Sub-total: Program Enabled Savings		-	-	-	-	-	-	-	-	-	-	-	-			
Other																
49	Proposed Program or Pilot	0	900,456	43,299,600	2,043,600	2,043,600	2,043,600	50,330,856	-	-	-	-	-		0%	0%
50	Unassigned Target	0	0	0	12,411,330	12,411,330	12,411,330	37,233,990	-	-	-	-	-			
Sub-total: Other		0	900,456	43,299,600	14,454,930	14,454,930	14,454,930	87,564,846	-	-	-	-	-		0%	0%
Sub-total: 2015-2020 Conservation First Framework		10,358,504	85,253,132	134,190,866	67,300,889	70,786,713	62,709,213	430,599,317	0	2,019,204	2,019,204	81,564,506	83,583,710	19%	96%	87%
Conservation Fund																
51	EnerNOC Conservation Fund Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
52	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Progra	0	0	0	0	0	0	0	0	0	0	2,993	2,993			
53	Loblaw P4P Conservation Fund Pilot Program	183,513	0	0	0	0	0	183,513	183,513	0	183,513	0	183,513	100%		100%
54	Ontario Clean Water Agency P4P Conservation Fund Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
55	Social Benchmarking Conservation Fund Pilot Program	0	0	0	0	0	0	0	0	0	0	0	0			
56	Strategic Energy Group Conservation Fund Pilot Program	6,899,972	0	0	0	0	0	6,899,972	6,899,972	0	6,899,972	0	6,899,972	100%		100%
Sub-total: Conservation Fund		7,083,485	0	0	0	0	0	7,083,485	7,083,485	0	7,083,485	2,993	7,086,478	100%		100%
2011-2014+2015 Extension Legacy Framework Programs																
Residential Program																
57	Appliance Retirement Initiative	60,261	-	-	-	-	-	60,261	60,261	0	60,261	-	60,261	100%		100%
58	Coupon Initiative	5,853,222	-	-	-	-	-	5,853,222	2,173,737	502,885	2,676,622	-	2,676,622	46%		46%
59	Bi-Annual Retailer Event Initiative	0	-	-	-	-	-	0	3,679,485	38,059	3,717,544	-	3,717,544			
60	HVAC Incentives Initiative	2,584,003	-	-	-	-	-	2,584,003	2,584,003	110,951	2,694,954	-	2,694,954	104%		104%
61	Residential New Construction and Major Renovation Initiative	0	-	-	-	-	-	0	0	0	0	-	0			
Sub-total: Residential Program		8,497,486	-	-	-	-	-	8,497,486	8,497,486	651,895	9,149,381	-	9,149,381	108%		108%
Commercial & Institutional Program																
62	Energy Audit Initiative	7,219,697	-	-	-	-	-	7,219,697	3,573,385	5,766,646	9,340,031	-	9,340,031	129%		129%
63	Efficiency: Equipment Replacement Incentive Initiative	45,320,196	-	-	-	-	-	45,320,196	45,320,196	2,784,592	48,104,788	-	48,104,788	106%		106%
64	Direct Install Lighting and Water Heating Initiative	3,360,796	-	-	-	-	-	3,360,796	3,360,796	0	3,360,796	-	3,360,796	100%		100%
65	New Construction and Major Renovation Initiative	931,231	-	-	-	-	-	931,231	931,231	573,307	1,504,538	-	1,504,538	162%		162%
66	Existing Building Commissioning Incentive Initiative	0	-	-	-	-	-	0	0	0	0	-	0			
Sub-total: Commercial & Institutional Program		56,831,920	-	-	-	-	-	56,831,920	53,185,608	9,124,545	62,310,153	-	62,310,153	110%		110%
Industrial Program																
67	Process and Systems Upgrades Initiatives - Project Incentive Initiative	0	-	-	-	-	-	0	0	2,462,181	2,462,181	-	2,462,181			
68	Process and Systems Upgrades Initiatives - Energy Manager Initiative	4,040,545	-	-	-	-	-	4,040,545	4,040,545	0	4,040,545	-	4,040,545	100%		100%
69	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiat	0	-	-	-	-	-	0	0	0	0	-	0			
Sub-total: Industrial Program		4,040,545	-	-	-	-	-	4,040,545	4,040,545	2,462,181	6,502,726	-	6,502,726	161%		161%
Low Income Program																
70	Low Income Initiative	343,883	-	-	-	-	-	343,883	343,883	0	343,883	-	343,883	100%		100%
Sub-total: Low-Income Program		343,883	-	-	-	-	-	343,883	343,883	0	343,883	-	343,883	100%		100%
Other																
71	Aboriginal Conservation Program	0	-	-	-	-	-	0	0	0	0	-	0			
72	Program Enabled Savings	0	-	-	-	-	-	0	0	0	0	-	0			
Sub-total: Other		0	-	-	-	-	-	0	0	0	0	-	0			
Sub-total: 2011-2014+2015 Extension Legacy Framework		69,713,834	-	-	-	-	-	69,713,834	66,067,522	12,238,621	78,306,143	-	78,306,143	112%		112%
Total		87,155,823	85,253,132	134,190,866	67,300,889	70,786,713	62,709,213	507,396,636	73,151,007	14,257,825	87,408,832	81,567,499	168,976,331	100%	96%	98%

Net Incremental First Year Energy Savings >

Net Incremental First Year Peak Demand Savings >

Net-to-Gross Adjustment - Energy >

Net-to-Gross Adjustment - Peak Demand >

Realization Rate - Energy >

Realization Rate - Peak Demand >

Gross Incremental First Year Energy Savings >

Gross Incremental First Year Peak Demand Savings >

Savings Group >

Participant Incentive Spending >

LDC Administrative Expense Spending >

Value Added Services Provider Administrative Expense Spending >

Total Administrative Expense Spending >

Total 2015-2020 CFF LDC CDM Plan Budget Spending >

Spending Group >

Total Resource Cost - Cost Effectiveness Test - Gross Benefit >

Total Resource Cost - Cost Effectiveness Test - Gross Cost >

Total Resource Cost - Cost Effectiveness Test - Net Benefit >

Total Resource Cost - Cost Effectiveness Test - Net Benefit Ratio >

Program Administrator Cost - Cost Effectiveness Test - Gross Benefit >

Program Administrator Cost - Cost Effectiveness Test - Gross Cost >

Program Administrator Cost - Cost Effectiveness Test - Net Benefit >

Program Administrator Cost - Cost Effectiveness Test - Net Benefit Ratio >

Levelized Unit Energy Cost - Cost Effectiveness Test - Benefit >

Levelized Unit Energy Cost - Cost Effectiveness Test - Cost >

Levelized Unit Energy Cost - Cost Effectiveness Test - Cost Effectiveness Test >

Cost Effectiveness Tests Group >

Progress Report

For: Province Wide

Participation >

#	Programs	Net Incremental 2020 Annual Energy Savings – Forecasted (kWh) 2015	2016	2017	2018	2019	2020	Total	Verified (kWh) 2015	2015 Adjustment in 2016	Adjusted 2015	2016	Total	Progress (%) Adjusted 2015	2016	Total	2015-2020 CFF LDC CDM Plan Allocated Target (kWh)	Progress versus Target (%)
	2015-2020 Conservation First Framework Programs																	
	Residential Province-Wide Programs																	
1	Save on Energy Coupon Program	9,567,676	117,174,070	93,671,052	69,159,502	67,568,122	59,586,845	**416,727,267**	31,200,969	4,478,933	35,679,902	427,989,595	**463,669,497**	373%	365%	**366%**		
2	Save on Energy Heating & Cooling Program	8,062,973	36,426,864	35,339,096	31,982,899	32,643,744	33,088,329	**177,543,905**	10,181,961	1,384,912	11,566,873	76,249,162	**87,816,035**	143%	209%	**197%**		
3	Save on Energy New Construction Program	788,095	5,498,154	5,331,029	5,725,642	5,919,151	5,981,789	**29,243,860**	0	70,679	70,679	1,624,371	**1,695,050**	9%	30%	**27%**		
4	Save on Energy Home Assistance Program	2,131,696	7,712,366	7,767,862	7,395,066	7,314,570	7,255,988	**39,577,548**	975,736	275,931	1,251,667	7,538,941	**8,790,608**	59%	98%	**89%**		
	Sub-total: Residential Province-Wide Programs	**20,550,440**	**166,811,454**	**142,109,039**	**114,263,109**	**113,445,587**	**105,912,951**	**663,092,580**	**42,358,666**	**6,210,455**	**48,569,121**	**513,402,069**	**561,971,190**	**236%**	**308%**	**300%**		
	Business Province-Wide Programs																	
5	Save on Energy Audit Funding Program	0	341,172	36,236,441	37,299,851	38,140,195	29,715,760	**141,733,419**	0	2,159,479	2,159,479	2,799,382	**4,958,861**		821%	**1453%**		
6	Save on Energy Retrofit Program	62,332,866	687,580,637	540,433,421	433,334,760	426,530,702	425,490,871	**2,575,703,257**	19,147,625	86,577,438	105,725,063	526,174,806	**631,899,869**	170%	77%	**84%**		
7	Save on Energy Small Business Lighting Program	4,025,724	32,964,137	72,770,921	46,626,688	32,854,673	33,131,744	**222,373,887**	0	0	0	10,760,789	**10,760,789**	0%	33%	**29%**		
8	Save on Energy High Performance New Construction Program	1,149,166	28,690,775	14,877,650	13,615,291	18,416,896	12,509,179	**89,258,957**	0	478,377	478,377	18,772,882	**19,251,259**	42%	65%	**65%**		
9	Save on Energy Existing Building Commissioning Program	0	815,515	4,587,495	3,845,289	3,845,289	3,845,289	**16,938,877**	0	0	0	0	**0**		0%	**0%**		
10	Save on Energy Process & Systems Upgrades Program	6,788,687	178,287,317	275,544,464	267,043,546	282,974,586	138,751,012	**1,149,389,612**	0	0	0	778,676	**778,676**	0%	0%	**0%**		
11	Save on Energy Energy Manager Program	3,052,583	27,786,641	28,002,838	28,487,383	28,145,630	26,073,615	**141,548,690**	0	0	0	13,429,453	**13,429,453**	0%	48%	**44%**		
12	Save on Energy Monitoring & Targeting Program	0	4,525,000	9,978,602	3,591,400	3,941,400	12,292,300	**34,328,702**	0	0	0	0	**0**		0%	**0%**		
13	Save on Energy Retrofit Program - P4P	0	0	0	0	0	0	**0**	0	1,567,230	1,567,230	40,937,376	**42,504,606**					
14	Save on Energy Process & Systems Upgrades Program - P4P	0	0	0	0	0	0	**0**	0	0	0	10,957,531	**10,957,531**					
	Sub-total: Business Province-Wide Programs	**77,349,026**	**960,991,194**	**982,431,832**	**833,844,208**	**834,849,371**	**681,809,770**	**4,371,275,401**	**19,147,625**	**90,782,524**	**109,930,149**	**624,610,895**	**734,541,044**	**142%**	**65%**	**71%**		
	Local & Regional Programs																	
15	Adaptive Thermostat Local Program	0	181,915	873,750	873,750	873,750	873,750	**3,676,915**	0	0	0	0	**0**		0%	**0%**		
16	Business Refrigeration Incentives Local Program	0	3,455,125	16,425,794	9,287,808	8,838,661	10,425,573	**48,432,961**	0	0	0	928,060	**928,060**		27%	**27%**		
17	Conservation on the Coast Home Assistance Local Program	0	262,402	254,239	184,480	159,752	65,716	**926,589**	0	0	0	0	**0**		0%	**0%**		
18	Conservation on the Coast Small Business Lighting Local Program	0	353,521	0	0	0	88,380	**441,901**	0	0	0	0	**0**		0%	**0%**		
19	First Nations Conservation Local Program	0	1,533,750	2,787,335	1,600,365	1,892,800	1,667,850	**9,482,100**	0	0	0	0	**0**		0%	**0%**		
20	High Efficiency Agriculturual Pumping Local Program	0	0	5,864,213	7,418,343	8,943,887	8,943,887	**31,170,330**	0	0	0	0	**0**					
21	Instant Savings Local Program	0	0	1,617,395	1,440,079	106,390	88,658	**3,252,522**	0	0	0	0	**0**					
22	OPsaver Local Program	0	0	0	0	0	42,059,633	**42,059,633**	0	0	0	0	**0**					
23	PUMPsaver Local Program	0	507,496	8,525,939	5,328,712	4,262,969	2,131,485	**20,756,601**	0	0	0	834,022	**834,022**		164%	**164%**		
24	Social Benchmarking Local Program	0	30,000	10,275,578	3,999,516	4,852,632	130,020,245	**149,177,971**	0	0	0	0	**0**		0%	**0%**		
25	THESL Swimming Pool Efficiency Local Program	0	0	5,403,626	5,403,626	5,403,626	5,403,626	**21,614,504**	0	0	0	0	**0**					
	Sub-total: Local & Regional Programs	**0**	**6,324,209**	**52,027,869**	**35,536,679**	**35,334,467**	**201,768,803**	**330,992,027**	**0**	**0**	**0**	**1,762,082**	**1,762,082**		**28%**	**28%**		
	LDC Innovation Fund Pilot Programs																	
26	Air Source Heat Pump for Residential Water Heating Pilot Program	0	0	0	0	0	0	**0**	0	0	0	0	**0**					
27	Building Optimization Pilot Program	0	0	0	0	0	0	**0**	0	0	0	1,799,960	**1,799,960**					
28	Conservation Voltage Regulation Leveraging AMI Data Pilot Program	0	0	0	0	0	0	**0**	0	0	0	0	**0**					
29	Demand Control Kitchen Ventilation Pilot Program	232,700	0	0	0	0	0	**232,700**	0	0	0	0	**0**	0%		**0%**		
30	Direct Install - Hydronic Pilot Program	0	616,360	0	0	0	0	**616,360**	0	667,979	667,979	0	**667,979**		0%	**108%**		
31	Direct Install - RTU Controls Pilot Program	0	65,153	5,538,664	5,538,664	5,538,664	5,538,664	**22,219,809**	0	0	0	370,393	**370,393**		568%	**568%**		
32	Electronically Commutated Furnace Motor Pilot Program	0	245,216	49,043	0	0	0	**294,259**	0	0	0	0	**0**		0%	**0%**		
33	Electronics Takeback Pilot Program	0	1,308,000	0	0	0	0	**1,308,000**	0	0	0	1,145,480	**1,145,480**		88%	**88%**		
34	Home Energy Assessment and Retrofit Pilot Program	0	1,282,160	1,282,160	1,282,160	1,282,160	1,282,160	**6,410,800**	0	0	0	0	**0**		0%	**0%**		
35	HONI HP Pilot Program	0	0	0	0	0	0	**0**	0	0	0	205,088	**205,088**					
36	P4P for Class B Office Pilot Program	0	2,500,000	0	0	0	0	**2,500,000**	0	0	0	2,864,454	**2,864,454**		115%	**115%**		
37	Performance Based Conservation Pilot Program	0	0	0	479,788	116,584	116,584	**712,956**	0	0	0	0	**0**					
38	Re-Invest Pilot Program	0	0	1,781,855	0	0	0	**1,781,855**	0	0	0	0	**0**					
39	Residential Direct Install Pilot Program	0	0	0	0	0	0	**0**	0	0	0	413,538	**413,538**					
40	Residential Direct Mail Pilot Program	0	0	0	0	0	0	**0**	0	0	0	347,825	**347,825**					
41	Residential Ductless Heat Pump Pilot Program	0	0	0	0	0	0	**0**	0	0	0	0	**0**					
42	Residential Install Pilot Program	0	124,605	0	0	0	0	**124,605**	0	0	0	0	**0**		0%	**0%**		
43	Social Benchmarking Pilot Program	0	0	0	0	0	0	**0**	0	0	0	0	**0**					
44	Solar Powered Attic Ventilation Pilot Program	0	293,108	295,427	2,822,316	3,009,816	3,009,816	**9,430,483**	0	0	0	178,202	**178,202**		61%	**61%**		
45	Truckload Event Pilot Program	0	0	0	0	0	0	**0**	0	0	0	6,807,732	**6,807,732**					
	Sub-total: LDC Innovation Fund Pilot Programs	**232,700**	**6,434,602**	**8,947,149**	**10,122,928**	**9,947,224**	**9,947,224**	**45,631,827**	**0**	**667,979**	**667,979**	**14,132,672**	**14,800,651**	**287%**	**220%**	**222%**		
	Program Enabled Savings																	
46	Save on Energy Retrofit Program Enabled Savings	-	-	-	-	-	-	**-**	-	-	-	-	**-**					
47	Save on Energy High Performance New Construction Program Enabled Savi	-	-	-	-	-	-	**-**	-	-	-	-	**-**					
48	Save on Energy Process & Systems Upgrades Program Enabled Savings	-	-	-	-	-	-	**-**	-	-	-	-	**-**					
	Sub-total: Program Enabled Savings	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**					
	Other																	
49	Proposed Program or Pilot	20,162	16,118,385	77,626,599	51,971,506	37,279,619	88,307,028	**271,323,299**	-	-	-	-	**-**	0%	0%	**0%**		
50	Unassigned Target	0	3,632,260	5,151,774	77,016,689	76,192,635	77,784,549	**239,777,907**	-	-	-	-	**-**		0%	**0%**		
	Sub-total: Other	**20,162**	**19,750,645**	**82,778,373**	**128,988,195**	**113,472,254**	**166,091,577**	**511,101,206**	**-**	**-**	**-**	**-**	**-**	**0%**	**0%**	**0%**		
	Sub-total: 2015-2020 Conservation First Framework	**98,152,328**	**1,160,312,104**	**1,268,294,262**	**1,122,755,119**	**1,107,048,903**	**1,165,530,325**	**5,922,093,041**	**61,506,291**	**97,660,958**	**159,167,249**	**1,153,907,718**	**1,313,074,967**	**162%**	**99%**	**104%**		
	Conservation Fund																	
51	EnerNOC Conservation Fund Pilot Program	0	0	0	0	0	0	**0**	0	0	0	0	**0**					
52	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Progra	0	0	0	0	0	0	**0**	0	0	0	58,726	**58,726**					
53	Loblaw P4P Conservation Fund Pilot Program	5,316,437	0	0	0	0	0	**5,316,437**	8,311,388	0	8,311,388	0	**8,311,388**	156%		**156%**		
54	Ontario Clean Water Agency P4P Conservation Fund Pilot Program	0	0	0	0	0	0	**0**	0	0	0	188,353	**188,353**					
55	Social Benchmarking Conservation Fund Pilot Program	0	0	0	0	0	0	**0**	0	0	0	0	**0**					
56	Strategic Energy Group Conservation Fund Pilot Program	0	0	0	0	0	0	**0**	0	0	0	0	**0**					
	Sub-total: Conservation Fund	**5,316,437**	**0**	**0**	**0**	**0**	**0**	**5,316,437**	**8,311,388**	**0**	**8,311,388**	**247,079**	**8,558,467**	**156%**		**161%**		
	2011-2014+2015 Extension Legacy Framework Programs																	
	Residential Program																	
57	Appliance Retirement Initiative	351	-	-	-	-	-	**351**	0	0	0	-	**0**	0%		**0%**		
58	Coupon Initiative	108,616,634	-	-	-	-	-	**108,616,634**	49,828,856	9,574,814	59,403,670	-	**59,403,670**	55%		**55%**		
59	Bi-Annual Retailer Event Initiative	5,886,149	-	-	-	-	-	**5,886,149**	72,999,617	627,017	73,626,634	-	**73,626,634**	1251%		**1251%**		
60	HVAC Incentives Initiative	35,301,570	-	-	-	-	-	**35,301,570**	45,965,427	1,242,212	47,207,639	-	**47,207,639**	134%		**134%**		
61	Residential New Construction and Major Renovation Initiative	6,587,120	-	-	-	-	-	**6,587,120**	6,305,281	4,563,918	10,869,199	-	**10,869,199**	165%		**165%**		
	Sub-total: Residential Program	**156,391,824**	**-**	**-**	**-**	**-**	**-**	**156,391,824**	**175,099,181**	**16,007,961**	**191,107,142**	**-**	**191,107,142**	**122%**		**122%**		
	Commercial & Institutional Program																	
62	Energy Audit Initiative	64,716	-	-	-	-	-	**64,716**	0	43,557,756	43,557,756	-	**43,557,756**	67306%		**67306%**		
63	Efficiency: Equipment Replacement Incentive Initiative	562,016,249	-	-	-	-	-	**562,016,249**	648,322,776	46,081,737	694,404,513	-	**694,404,513**	124%		**124%**		
64	Direct Install Lighting and Water Heating Initiative	34,615,281	-	-	-	-	-	**34,615,281**	32,305,094	0	32,305,094	-	**32,305,094**	93%		**93%**		
65	New Construction and Major Renovation Initiative	20,506,363	-	-	-	-	-	**20,506,363**	21,792,687	27,358,742	49,151,429	-	**49,151,429**	240%		**240%**		
66	Existing Building Commissioning Incentive Initiative	0	-	-	-	-	-	**0**	0	316,077	316,077	-	**316,077**					
	Sub-total: Commercial & Institutional Program	**617,202,609**	**-**	**-**	**-**	**-**	**-**	**617,202,609**	**702,420,557**	**117,314,312**	**819,734,869**	**-**	**819,734,869**	**133%**		**133%**		
	Industrial Program																	
67	Process and Systems Upgrades Initiatives - Project Incentive Initiative	202,777,661	-	-	-	-	-	**202,777,661**	122,704,030	140,191,824	262,895,854	-	**262,895,854**	130%		**130%**		
68	Process and Systems Upgrades Initiatives - Energy Manager Initiative	18,694,337	-	-	-	-	-	**18,694,337**	25,183,067	0	25,183,067	-	**25,183,067**	135%		**135%**		
69	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiat	1,237,500	-	-	-	-	-	**1,237,500**	0	0	0	-	**0**	0%		**0%**		
	Sub-total: Industrial Program	**222,709,498**	**-**	**-**	**-**	**-**	**-**	**222,709,498**	**147,887,097**	**140,191,824**	**288,078,921**	**-**	**288,078,921**	**129%**		**129%**		
	Low Income Program																	
70	Low Income Initiative	10,252,330	-	-	-	-	-	**10,252,330**	11,746,825	1,601,364	13,348,189	-	**13,348,189**	130%		**130%**		
	Sub-total: Low-Income Program	**10,252,330**	**-**	**-**	**-**	**-**	**-**	**10,252,330**	**11,746,825**	**1,601,364**	**13,348,189**	**-**	**13,348,189**	**130%**		**130%**		
	Other																	
71	Aboriginal Conservation Program	0	-	-	-	-	-	**0**	3,243,409	0	3,243,409	-	**3,243,409**					
72	Program Enabled Savings	22,802,742	-	-	-	-	-	**22,802,742**	7,275,075	0	7,275,075	-	**7,275,075**	32%		**32%**		
	Sub-total: Other	**22,802,742**	**-**	**-**	**-**	**-**	**-**	**22,802,742**	**10,518,484**	**0**	**10,518,484**	**-**	**10,518,484**	**46%**		**46%**		
	Sub-total: 2011-2014+2015 Extension Legacy Framework	**1,029,359,003**	**-**	**-**	**-**	**-**	**-**	**1,029,359,003**	**1,047,672,144**	**275,115,461**	**1,322,787,605**	**-**	**1,322,787,605**	**129%**		**129%**		
	Total	**1,132,827,768**	**1,160,312,104**	**1,268,294,262**	**1,122,755,119**	**1,107,048,903**	**1,165,530,325**	**6,956,768,481**	**1,117,489,823**	**372,776,419**	**1,490,266,242**	**1,154,154,797**	**2,644,421,039**	**132%**	**99%**	**115%**	**6,999,990,000**	**38%**

Net Incremental 2020 Annual Energy Savings (Progress towards 2015 - 2020 CFF LDC CDM Plan Target) >

Net Incremental 2020 Annual Peak Demand Savings >

Net Incremental First Year Energy Savings >

Net Incremental First Year Peak Demand Savings >

Net-to-Gross Adjustment - Energy >

Net-to-Gross Adjustment - Peak Demand >

Realization Rate - Energy >

Realization Rate - Peak Demand >

Gross Incremental First Year Energy Savings >

Gross Incremental First Year Peak Demand Savings >

Savings Group >

Participant Incentive Spending >

LDC Administrative Expense Spending >

Value Added Services Provider Administrative Expense Spending >

Total Administrative Expense Spending >

Total 2015-2020 CFF LDC CDM Plan Budget Spending >

Spending Group >

Total Resource Cost - Cost Effectiveness Test - Gross Benefit >

Total Resource Cost - Cost Effectiveness Test - Gross Cost >

Total Resource Cost - Cost Effectiveness Test - Net Benefit >

Total Resource Cost - Cost Effectiveness Test - Net Benefit Ratio >

Program Administrator Cost - Cost Effectiveness Test - Gross Benefit >

Program Administrator Cost - Cost Effectiveness Test - Gross Cost >

Program Administrator Cost - Cost Effectiveness Test - Net Benefit >

Program Administrator Cost - Cost Effectiveness Test - Net Benefit Ratio >

Levelized Unit Energy Cost - Cost Effectiveness Test - Benefit >

Levelized Unit Energy Cost - Cost Effectiveness Test - Cost >

Levelized Unit Energy Cost - Cost Effectiveness Test >

Cost Effectiveness Tests Group >

Savings Persistence Report

For: Enersource Hydro Mississauga Inc.

#	Program / Initiative Name	Implementation Year	Gross Verified Energy Savings >	Gross Verified Peak Demand Savings >	Gross Verified Savings >	Net Verified Energy Savings >	Net Verified Peak Demand Savings >	Net Verified Savings >
2015								
1	Save on Energy Coupon Program	2015						
2	Save on Energy Heating & Cooling Program	2015						
3	Save on Energy New Construction Program	2015						
4	Save on Energy Home Assistance Program	2015						
5	Save on Energy Audit Funding Program	2015						
6	Save on Energy Retrofit Program	2015						
7	Save on Energy Small Business Lighting Program	2015						
8	Save on Energy High Performance New Construction Program	2015						
9	Save on Energy Existing Building Commissioning Program	2015						
10	Save on Energy Process & Systems Upgrades Program	2015						
11	Save on Energy Energy Manager Program	2015						
12	Save on Energy Monitoring & Targeting Program	2015						
13	Save on Energy Retrofit Program - P4P	2015						
14	Save on Energy Process & Systems Upgrades Program - P4P	2015						
15	Adaptive Thermostat Local Program	2015						
16	Business Refrigeration Incentives Local Program	2015						
17	Conservation on the Coast Home Assistance Local Program	2015						
18	Conservation on the Coast Small Business Lighting Local Program	2015						
19	First Nations Conservation Local Program	2015						
20	High Efficiency Agriculturual Pumping Local Program	2015						
21	Instant Savings Local Program	2015						
22	OPsaver Local Program	2015						
23	PUMPsaver Local Program	2015						
24	Social Benchmarking Local Program	2015						
25	THESL Swimming Pool Efficiency Local Program	2015						
26	Air Source Heat Pump for Residential Water Heating Pilot Program	2015						
27	Building Optimization Pilot Program	2015						
28	Conservation Voltage Regulation Leveraging AMI Data Pilot Program	2015						
29	Demand Control Kitchen Ventilation Pilot Program	2015						
30	Direct Install - Hydronic Pilot Program	2015						
31	Direct Install - RTU Controls Pilot Program	2015						
32	Electronically Commutated Furnace Motor Pilot Program	2015						
33	Electronics Takeback Pilot Program	2015						
34	Home Energy Assessment and Retrofit Pilot Program	2015						
35	HONI HP Pilot Program	2015						
36	P4P for Class B Office Pilot Program	2015						
37	Performance Based Conservation Pilot Program	2015						
38	Re-Invest Pilot Program	2015						
39	Residential Direct Install Pilot Program	2015						
40	Residential Direct Mail Pilot Program	2015						
41	Residential Ductless Heat Pump Pilot Program	2015						
42	Residential Install Pilot Program	2015						
43	Social Benchmarking Pilot Program	2015						
44	Solar Powered Attic Ventilation Pilot Program	2015						
45	Truckload Event Pilot Program	2015						
46	Save on Energy Retrofit Program Enabled Savings	2015						
47	Save on Energy High Performance New Construction Program Enabled Sa	2015						
48	Save on Energy Process & Systems Upgrades Program Enabled Savings	2015						
49	Proposed Program or Pilot	2015						
50	Unassigned Target	2015						
51	EnerNOC Conservation Fund Pilot Program	2015						
52	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Prc	2015						
53	Loblaw P4P Conservation Fund Pilot Program	2015						
54	Ontario Clean Water Agency P4P Conservation Fund Pilot Program	2015						
55	Social Benchmarking Conservation Fund Pilot Program	2015						
56	Strategic Energy Group Conservation Fund Pilot Program	2015						
57	Appliance Retirement Initiative	2015						
58	Coupon Initiative	2015						
59	Bi-Annual Retailer Event Initiative	2015						
60	HVAC Incentives Initiative	2015						
61	Residential New Construction and Major Renovation Initiative	2015						
62	Energy Audit Initiative	2015						
63	Efficiency: Equipment Replacement Incentive Initiative	2015						
64	Direct Install Lighting and Water Heating Initiative	2015						
65	New Construction and Major Renovation Initiative	2015						
66	Existing Building Commissioning Incentive Initiative	2015						
67	Process and Systems Upgrades Initiatives - Project Incentive Initiative	2015						
68	Process and Systems Upgrades Initiatives - Energy Manager Initiative	2015						
69	Process and Systems Upgrades Initiatives - Monitoring and Targeting Ini	2015						
70	Low Income Initiative	2015						
71	Aboriginal Conservation Program	2015						
72	Program Enabled Savings	2015						
2015 Total								
2015 Adjustment								
73	Save on Energy Coupon Program	2015 Adjustment						
74	Save on Energy Heating & Cooling Program	2015 Adjustment						
75	Save on Energy New Construction Program	2015 Adjustment						
76	Save on Energy Home Assistance Program	2015 Adjustment						
77	Save on Energy Audit Funding Program	2015 Adjustment						
78	Save on Energy Retrofit Program	2015 Adjustment						
79	Save on Energy Small Business Lighting Program	2015 Adjustment						
80	Save on Energy High Performance New Construction Program	2015 Adjustment						
81	Save on Energy Existing Building Commissioning Program	2015 Adjustment						
82	Save on Energy Process & Systems Upgrades Program	2015 Adjustment						
83	Save on Energy Energy Manager Program	2015 Adjustment						
84	Save on Energy Monitoring & Targeting Program	2015 Adjustment						
85	Save on Energy Retrofit Program - P4P	2015 Adjustment						
86	Save on Energy Process & Systems Upgrades Program - P4P	2015 Adjustment						
87	Adaptive Thermostat Local Program	2015 Adjustment						
88	Business Refrigeration Incentives Local Program	2015 Adjustment						
89	Conservation on the Coast Home Assistance Local Program	2015 Adjustment						
90	Conservation on the Coast Small Business Lighting Local Program	2015 Adjustment						
91	First Nations Conservation Local Program	2015 Adjustment						
92	High Efficiency Agriculturual Pumping Local Program	2015 Adjustment						
93	Instant Savings Local Program	2015 Adjustment						
94	OPsaver Local Program	2015 Adjustment						
95	PUMPsaver Local Program	2015 Adjustment						
96	Social Benchmarking Local Program	2015 Adjustment						
97	THESL Swimming Pool Efficiency Local Program	2015 Adjustment						
98	Air Source Heat Pump for Residential Water Heating Pilot Program	2015 Adjustment						
99	Building Optimization Pilot Program	2015 Adjustment						
100	Conservation Voltage Regulation Leveraging AMI Data Pilot Program	2015 Adjustment						
101	Demand Control Kitchen Ventilation Pilot Program	2015 Adjustment						
102	Direct Install - Hydronic Pilot Program	2015 Adjustment						
103	Direct Install - RTU Controls Pilot Program	2015 Adjustment						
104	Electronically Commutated Furnace Motor Pilot Program	2015 Adjustment						
105	Electronics Takeback Pilot Program	2015 Adjustment						
106	Home Energy Assessment and Retrofit Pilot Program	2015 Adjustment						
107	HONI HP Pilot Program	2015 Adjustment						
108	P4P for Class B Office Pilot Program	2015 Adjustment						
109	Performance Based Conservation Pilot Program	2015 Adjustment						
110	Re-Invest Pilot Program	2015 Adjustment						
111	Residential Direct Install Pilot Program	2015 Adjustment						
112	Residential Direct Mail Pilot Program	2015 Adjustment						
113	Residential Ductless Heat Pump Pilot Program	2015 Adjustment						
114	Residential Install Pilot Program	2015 Adjustment						
115	Social Benchmarking Pilot Program	2015 Adjustment						
116	Solar Powered Attic Ventilation Pilot Program	2015 Adjustment						
117	Truckload Event Pilot Program	2015 Adjustment						
118	Save on Energy Retrofit Program Enabled Savings	2015 Adjustment						
119	Save on Energy High Performance New Construction Program Enabled Sa	2015 Adjustment						
120	Save on Energy Process & Systems Upgrades Program Enabled Savings	2015 Adjustment						
121	Proposed Program or Pilot	2015 Adjustment						
122	Unassigned Target	2015 Adjustment						
123	EnerNOC Conservation Fund Pilot Program	2015 Adjustment						
124	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Prc	2015 Adjustment						
125	Loblaw P4P Conservation Fund Pilot Program	2015 Adjustment						
126	Ontario Clean Water Agency P4P Conservation Fund Pilot Program	2015 Adjustment						
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128	Social Benchmarking Conservation Fund Pilot Program	2015 Adjustment						
129	Appliance Retirement Initiative	2015 Adjustment						
130	Coupon Initiative	2015 Adjustment						
131	Bi-Annual Retailer Event Initiative	2015 Adjustment						
132	HVAC Incentives Initiative	2015 Adjustment						
133	Residential New Construction and Major Renovation Initiative	2015 Adjustment						
134	Energy Audit Initiative	2015 Adjustment						
135	Efficiency: Equipment Replacement Incentive Initiative	2015 Adjustment						
136	Direct Install Lighting and Water Heating Initiative	2015 Adjustment						
137	New Construction and Major Renovation Initiative	2015 Adjustment						
138	Existing Building Commissioning Incentive Initiative	2015 Adjustment						
139	Process and Systems Upgrades Initiatives - Project Incentive Initiative	2015 Adjustment						
140	Process and Systems Upgrades Initiatives - Energy Manager Initiative	2015 Adjustment						
141	Process and Systems Upgrades Initiatives - Monitoring and Targeting Ini	2015 Adjustment						
142	Low Income Initiative	2015 Adjustment						
143	Aboriginal Conservation Program	2015 Adjustment						
144	Program Enabled Savings	2015 Adjustment						
2015 Adjustment Total								
2016								
145	Save on Energy Coupon Program	2016						
146	Save on Energy Heating & Cooling Program	2016						
147	Save on Energy New Construction Program	2016						
148	Save on Energy Home Assistance Program	2016						
149	Save on Energy Audit Funding Program	2016						
150	Save on Energy Retrofit Program	2016						
151	Save on Energy Small Business Lighting Program	2016						
152	Save on Energy High Performance New Construction Program	2016						
153	Save on Energy Existing Building Commissioning Program	2016						
154	Save on Energy Process & Systems Upgrades Program	2016						
155	Save on Energy Energy Manager Program	2016						
156	Save on Energy Monitoring & Targeting Program	2016						
157	Save on Energy Retrofit Program - P4P	2016						
158	Save on Energy Process & Systems Upgrades Program - P4P	2016						
159	Adaptive Thermostat Local Program	2016						
160	Business Refrigeration Incentives Local Program	2016						
161	Conservation on the Coast Home Assistance Local Program	2016						
162	Conservation on the Coast Small Business Lighting Local Program	2016						
163	First Nations Conservation Local Program	2016						
164	High Efficiency Agriculturual Pumping Local Program	2016						
165	Instant Savings Local Program	2016						
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167	PUMPsaver Local Program	2016						
168	Social Benchmarking Local Program	2016						
169	THESL Swimming Pool Efficiency Local Program	2016						
170	Air Source Heat Pump for Residential Water Heating Pilot Program	2016						
171	Building Optimization Pilot Program	2016						
172	Conservation Voltage Regulation Leveraging AMI Data Pilot Program	2016						
173	Demand Control Kitchen Ventilation Pilot Program	2016						
174	Direct Install - Hydronic Pilot Program	2016						
175	Direct Install - RTU Controls Pilot Program	2016						
176	Electronically Commutated Furnace Motor Pilot Program	2016						
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186	Residential Install Pilot Program	2016						
187	Social Benchmarking Pilot Program	2016						
188	Solar Powered Attic Ventilation Pilot Program	2016						
189	Truckload Event Pilot Program	2016						
190	Save on Energy Retrofit Program Enabled Savings	2016						
191	Save on Energy High Performance New Construction Program Enabled Sa	2016						
192	Save on Energy Process & Systems Upgrades Program Enabled Savings	2016						
193	Proposed Program or Pilot	2016						
194	Unassigned Target	2016						
195	EnerNOC Conservation Fund Pilot Program	2016						
196	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Prc	2016						
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206	Energy Audit Initiative	2016						
207	Efficiency: Equipment Replacement Incentive Initiative	2016						
208	Direct Install Lighting and Water Heating Initiative	2016						
209	New Construction and Major Renovation Initiative	2016						
210	Existing Building Commissioning Incentive Initiative	2016						
211	Process and Systems Upgrades Initiatives - Project Incentive Initiative	2016						
212	Process and Systems Upgrades Initiatives - Energy Manager Initiative	2016						
213	Process and Systems Upgrades Initiatives - Monitoring and Targeting Ini	2016						
214	Low Income Initiative	2016						
215	Aboriginal Conservation Program	2016						
216	Program Enabled Savings	2016						
2016 Total								
Total								

Savings Persistence Report

For: Province Wide

#	Program / Initiative Name	Implementation Year	Gross Verified Energy Savings >	Gross Verified Peak Demand Savings >	Gross Verified Savings >	Net Verified Energy Savings >	Net Verified Peak Demand Savings >	Net Verified Savings >
2015								
1	Save on Energy Coupon Program	2015						
2	Save on Energy Heating & Cooling Program	2015						
3	Save on Energy New Construction Program	2015						
4	Save on Energy Home Assistance Program	2015						
5	Save on Energy Audit Funding Program	2015						
6	Save on Energy Retrofit Program	2015						
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13	Save on Energy Retrofit Program - P4P	2015						
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21	Instant Savings Local Program	2015						
22	OPsaver Local Program	2015						
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26	Air Source Heat Pump for Residential Water Heating Pilot Program	2015						
27	Building Optimization Pilot Program	2015						
28	Conservation Voltage Regulation Leveraging AMI Data Pilot Program	2015						
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46	Save on Energy Retrofit Program Enabled Savings	2015						
47	Save on Energy High Performance New Construction Program Enabled Sa	2015						
48	Save on Energy Process & Systems Upgrades Program Enabled Savings	2015						
49	Proposed Program or Pilot	2015						
50	Unassigned Target	2015						
51	EnerNOC Conservation Fund Pilot Program	2015						
52	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Pro	2015						
53	Loblaw P4P Conservation Fund Pilot Program	2015						
54	Ontario Clean Water Agency P4P Conservation Fund Pilot Program	2015						
55	Strategic Energy Group Conservation Fund Pilot Program	2015						
56	Social Benchmarking Conservation Fund Pilot Program	2015						
57	Appliance Retirement Initiative	2015						
58	Coupon Initiative	2015						
59	Bi-Annual Retailer Event Initiative	2015						
60	HVAC Incentives Initiative	2015						
61	Residential New Construction and Major Renovation Initiative	2015						
62	Energy Audit Initiative	2015						
63	Efficiency: Equipment Replacement Incentive Initiative	2015						
64	Direct Install Lighting and Water Heating Initiative	2015						
65	New Construction and Major Renovation Initiative	2015						
66	Existing Building Commissioning Incentive Initiative	2015						
67	Process and Systems Upgrades Initiatives - Project Incentive Initiative	2015						
68	Process and Systems Upgrades Initiatives - Energy Manager Initiative	2015						
69	Process and Systems Upgrades Initiatives - Monitoring and Targeting Ini	2015						
70	Low Income Initiative	2015						
71	Aboriginal Conservation Program	2015						
72	Program Enabled Savings	2015						
2015 Total								
2015 Adjustment								
73	Save on Energy Coupon Program	2015 Adjustment						
74	Save on Energy Heating & Cooling Program	2015 Adjustment						
75	Save on Energy New Construction Program	2015 Adjustment						
76	Save on Energy Home Assistance Program	2015 Adjustment						
77	Save on Energy Audit Funding Program	2015 Adjustment						
78	Save on Energy Retrofit Program	2015 Adjustment						
79	Save on Energy Small Business Lighting Program	2015 Adjustment						
80	Save on Energy High Performance New Construction Program	2015 Adjustment						
81	Save on Energy Existing Building Commissioning Program	2015 Adjustment						
82	Save on Energy Process & Systems Upgrades Program	2015 Adjustment						
83	Save on Energy Energy Manager Program	2015 Adjustment						
84	Save on Energy Monitoring & Targeting Program	2015 Adjustment						
85	Save on Energy Retrofit Program - P4P	2015 Adjustment						
86	Save on Energy Process & Systems Upgrades Program - P4P	2015 Adjustment						
87	Adaptive Thermostat Local Program	2015 Adjustment						
88	Business Refrigeration Incentives Local Program	2015 Adjustment						
89	Conservation on the Coast Home Assistance Local Program	2015 Adjustment						
90	Conservation on the Coast Small Business Lighting Local Program	2015 Adjustment						
91	First Nations Conservation Local Program	2015 Adjustment						
92	High Efficiency Agriculturual Pumping Local Program	2015 Adjustment						
93	Instant Savings Local Program	2015 Adjustment						
94	OPsaver Local Program	2015 Adjustment						
95	PUMPsaver Local Program	2015 Adjustment						
96	Social Benchmarking Local Program	2015 Adjustment						
97	THESL Swimming Pool Efficiency Local Program	2015 Adjustment						
98	Air Source Heat Pump for Residential Water Heating Pilot Program	2015 Adjustment						
99	Building Optimization Pilot Program	2015 Adjustment						
100	Conservation Voltage Regulation Leveraging AMI Data Pilot Program	2015 Adjustment						
101	Demand Control Kitchen Ventilation Pilot Program	2015 Adjustment						
102	Direct Install - Hydronic Pilot Program	2015 Adjustment						
103	Direct Install - RTU Controls Pilot Program	2015 Adjustment						
104	Electronically Commutated Furnace Motor Pilot Program	2015 Adjustment						
105	Electronics Takeback Pilot Program	2015 Adjustment						
106	Home Energy Assessment and Retrofit Pilot Program	2015 Adjustment						
107	HONI HP Pilot Program	2015 Adjustment						
108	P4P for Class B Office Pilot Program	2015 Adjustment						
109	Performance Based Conservation Pilot Program	2015 Adjustment						
110	Re-Invest Pilot Program	2015 Adjustment						
111	Residential Direct Install Pilot Program	2015 Adjustment						
112	Residential Direct Mail Pilot Program	2015 Adjustment						
113	Residential Ductless Heat Pump Pilot Program	2015 Adjustment						
114	Residential Install Pilot Program	2015 Adjustment						
115	Social Benchmarking Pilot Program	2015 Adjustment						
116	Solar Powered Attic Ventilation Pilot Program	2015 Adjustment						
117	Truckload Event Pilot Program	2015 Adjustment						
118	Save on Energy Retrofit Program Enabled Savings	2015 Adjustment						
119	Save on Energy High Performance New Construction Program Enabled Sa	2015 Adjustment						
120	Save on Energy Process & Systems Upgrades Program Enabled Savings	2015 Adjustment						
121	Proposed Program or Pilot	2015 Adjustment						
122	Unassigned Target	2015 Adjustment						
123	EnerNOC Conservation Fund Pilot Program	2015 Adjustment						
124	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Pro	2015 Adjustment						
125	Loblaw P4P Conservation Fund Pilot Program	2015 Adjustment						
126	Ontario Clean Water Agency P4P Conservation Fund Pilot Program	2015 Adjustment						
127	Strategic Energy Group Conservation Fund Pilot Program	2015 Adjustment						
128	Social Benchmarking Conservation Fund Pilot Program	2015 Adjustment						
129	Appliance Retirement Initiative	2015 Adjustment						
130	Coupon Initiative	2015 Adjustment						
131	Bi-Annual Retailer Event Initiative	2015 Adjustment						
132	HVAC Incentives Initiative	2015 Adjustment						
133	Residential New Construction and Major Renovation Initiative	2015 Adjustment						
134	Energy Audit Initiative	2015 Adjustment						
135	Efficiency: Equipment Replacement Incentive Initiative	2015 Adjustment						
136	Direct Install Lighting and Water Heating Initiative	2015 Adjustment						
137	New Construction and Major Renovation Initiative	2015 Adjustment						
138	Existing Building Commissioning Incentive Initiative	2015 Adjustment						
139	Process and Systems Upgrades Initiatives - Project Incentive Initiative	2015 Adjustment						
140	Process and Systems Upgrades Initiatives - Energy Manager Initiative	2015 Adjustment						
141	Process and Systems Upgrades Initiatives - Monitoring and Targeting Ini	2015 Adjustment						
142	Low Income Initiative	2015 Adjustment						
143	Aboriginal Conservation Program	2015 Adjustment						
144	Program Enabled Savings	2015 Adjustment						
2015 Adjustment Total								
2016								
145	Save on Energy Coupon Program	2016						
146	Save on Energy Heating & Cooling Program	2016						
147	Save on Energy New Construction Program	2016						
148	Save on Energy Home Assistance Program	2016						
149	Save on Energy Audit Funding Program	2016						
150	Save on Energy Retrofit Program	2016						
151	Save on Energy Small Business Lighting Program	2016						
152	Save on Energy High Performance New Construction Program	2016						
153	Save on Energy Existing Building Commissioning Program	2016						
154	Save on Energy Process & Systems Upgrades Program	2016						
155	Save on Energy Energy Manager Program	2016						
156	Save on Energy Monitoring & Targeting Program	2016						
157	Save on Energy Retrofit Program - P4P	2016						
158	Save on Energy Process & Systems Upgrades Program - P4P	2016						
159	Adaptive Thermostat Local Program	2016						
160	Business Refrigeration Incentives Local Program	2016						
161	Conservation on the Coast Home Assistance Local Program	2016						
162	Conservation on the Coast Small Business Lighting Local Program	2016						
163	First Nations Conservation Local Program	2016						
164	High Efficiency Agriculturual Pumping Local Program	2016						
165	Instant Savings Local Program	2016						
166	OPsaver Local Program	2016						
167	PUMPsaver Local Program	2016						
168	Social Benchmarking Local Program	2016						
169	THESL Swimming Pool Efficiency Local Program	2016						
170	Air Source Heat Pump for Residential Water Heating Pilot Program	2016						
171	Building Optimization Pilot Program	2016						
172	Conservation Voltage Regulation Leveraging AMI Data Pilot Program	2016						
173	Demand Control Kitchen Ventilation Pilot Program	2016						
174	Direct Install - Hydronic Pilot Program	2016						
175	Direct Install - RTU Controls Pilot Program	2016						
176	Electronically Commutated Furnace Motor Pilot Program	2016						
177	Electronics Takeback Pilot Program	2016						
178	Home Energy Assessment and Retrofit Pilot Program	2016						
179	HONI HP Pilot Program	2016						
180	P4P for Class B Office Pilot Program	2016						
181	Performance Based Conservation Pilot Program	2016						
182	Re-Invest Pilot Program	2016						
183	Residential Direct Install Pilot Program	2016						
184	Residential Direct Mail Pilot Program	2016						
185	Residential Ductless Heat Pump Pilot Program	2016						
186	Residential Install Pilot Program	2016						
187	Social Benchmarking Pilot Program	2016						
188	Solar Powered Attic Ventilation Pilot Program	2016						
189	Truckload Event Pilot Program	2016						
190	Save on Energy Retrofit Program Enabled Savings	2016						
191	Save on Energy High Performance New Construction Program Enabled Sa	2016						
192	Save on Energy Process & Systems Upgrades Program Enabled Savings	2016						
193	Proposed Program or Pilot	2016						
194	Unassigned Target	2016						
195	EnerNOC Conservation Fund Pilot Program	2016						
196	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Pro	2016						
197	Loblaw P4P Conservation Fund Pilot Program	2016						
198	Ontario Clean Water Agency P4P Conservation Fund Pilot Program	2016						
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201	Appliance Retirement Initiative	2016						
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203	Bi-Annual Retailer Event Initiative	2016						
204	HVAC Incentives Initiative	2016						
205	Residential New Construction and Major Renovation Initiative	2016						
206	Energy Audit Initiative	2016						
207	Efficiency: Equipment Replacement Incentive Initiative	2016						
208	Direct Install Lighting and Water Heating Initiative	2016						
209	New Construction and Major Renovation Initiative	2016						
210	Existing Building Commissioning Incentive Initiative	2016						
211	Process and Systems Upgrades Initiatives - Project Incentive Initiative	2016						
212	Process and Systems Upgrades Initiatives - Energy Manager Initiative	2016						
213	Process and Systems Upgrades Initiatives - Monitoring and Targeting Ini	2016						
214	Low Income Initiative	2016						
215	Aboriginal Conservation Program	2016						
216	Program Enabled Savings	2016						
2016 Total								
Total								

Final Verified 2016 Annual LDC CDM Program Results Report

Methodology

General

All results are at the end-user level (not including transmission and distribution losses) and reported to IESO by April 15, 2017. 2015 results are based on projects completed between January 1, 2015 and December 31, 2015 and reported to the IESO by March 31, 2016. 2015 Adjustment results are based on projects completed between January 1, 2015 and December 31, 2015 and reported to the IESO between April 1, 2016 and April 15 2017. 2016 results are based on projects compelted between January 1, 2016 and December 31, 2016 and reported to the IESO by April 15, 2017.

Legacy Framework results are based on projects begun prior to an LDC's transition to the Conservation First Framework program and completed by December 31, 2015. Conservation First Framework results are based on projects begun after an LDC's transition to the Conservation First Framework program and projects transitioned to the Conservation First Framework through a valid Extension Agreement or eligible Programs.

Savings Calculations

#	Project Type	Attributing Savings to LDCs
1	Prescriptive Measures and Projects Programs	**Gross Reported Savings** = Activity * Per Unit Assumption Savings **Gross Verified Savings** = Gross Reported Savings * Realization Rate **Net Verified Savings** = Gross Verified Savings * Net-to-Gross Ratio All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)
2	Engineered and Custom Projects / Programs	**Gross Reported Savings** = Reported Savings **Gross Verified Savings** = Gross Reported Savings * Realization Rate **Net Verified Savings** = Gross Verified Savings * Net-to-Gross Ratio All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)
3	Adjustments to Previous Years' Verified Results	All variances from the Final Annual Results Reports from prior years will be adjusted within this report. Any variances with regards to projects counts, data lag, and calculations etc., will be made within this report. Considers the annual effect of energy savings.

Cost Determination

Costs are determined and allocated to the period based on the date the cost has been reported to the IESO regardless of when the cost was incurred.

E.g. if an LDC reports by the December 2016 IESO Reporting Period: 1) program savings; 2) Participant Incentives; and 3) Administrative Expenses associated with a 2016 completed project, then: a) the savings; b) expenditures; and c) corresponding cost effectiveness; are attributed to the 2016 program year.

However if the same is reported in or after the January 2017 IESO Reporting Period: i) the savings will be attributed to the 2016 program year; ii) the expenditures will be attributed to the 2017 program year and will not appear in the 2016 Verified Results Report; but iii) the project's Participant Incentives will be used to calculate 2016 Cost Effectiveness;

2015-2020 Conservation First Framework

#	Program	Attributing Savings to LDCs	Project List Date	Savings 'start' Date	Calculating Resource Savings
1	Save on Energy Coupon Program	LDC-coded coupons directly attributed to LDC; Otherwise results are allocated based on Consumer Program Allocation Reference Table.	April 15, 2017	Savings are considered to begin in the year in which the coupon was redeemed.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
2	Save on Energy Heating & Cooling Program	Results directly attributed to LDC based on customer applications and postal code.	April 15, 2017	Savings are considered to begin in the year that the installation occurred.	
3	Save on Energy New Construction Program	Results are directly attributed to LDC based on LDC identified in LDC Report	April 15, 2017	Savings are considered to begin in the year of the project completion date.	
4	Save on Energy Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2017	Savings are considered to begin in the year in which the measures were installed.	
5	Save on Energy Audit Funding Program	Projects are directly attributed to LDC based on LDC identified in the application.	April 15, 2017	Savings are considered to begin in the year of the audit date.	Peak demand and energy savings are determined by the total savings resulting from an audit as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
6	Save on Energy Retrofit Program	Projects are directly attributed to LDC based on LDC identified in the application.	April 15, 2017	Savings are considered to begin in the year of the actual project completion date as reported in the LDC Report	Peak demand and energy savings are determined by the total savings for a given project as reported in the iCON system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
7	Save on Energy Small Business Lighting Program	Results are directly attributed to LDC based on the LDC specified on the work order.	April 15, 2017	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumptions multiplied by the uptake of each measure accounting for the realization rate for both peak demand and energy to reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings take into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
8	Save on Energy High Performance New Construction Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2017	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined by the total savings for a given project as reported in the CDM LDC Report Template. Preliminary unverified net savings are calculated by multiplying reported savings by 2014 Net-to-gross ratios and realization rates.
9	Save on Energy Existing Building Commissioning Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2017	Savings are considered to begin in the year of the actual project completion date.	
10	Save on Energy Process and Systems Upgrades Program	Results are directly attributed to LDC based on LDC identified in application.	April 15, 2017	Savings are considered to begin in the year in which the project was in-service.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
11	Save on Energy Energy Manager Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2017	Savings are considered to begin in the year in which the project was completed by the energy manager.	
12	Save on Energy Monitoring and Targeting Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2017	Savings are considered to begin in the year in which the incentive project was completed.	

2011-2014+2015 Extension Legacy Framework

#	Initiative	Attributing Savings to LDCs	Project List Date	Savings 'start' Date	Calculating Resource Savings
1	saveONenergy Appliance Retirement Initiative	Includes both retail and home pickup stream. Retail stream allocated based on average of 2008 & 2009 residential throughput; Home pickup stream directly attributed by postal code or customer selection.	April 15, 2017	Savings are considered to begin in the year the appliance is picked up.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
2	saveONenergy Conservation Instant Coupon Booklet	LDC-coded coupons directly attributed to LDC. Otherwise results are allocated based on average of 2008 & 2009 residential throughput.	April 15, 2017	Savings are considered to begin in the year in which the coupon was redeemed.	
3	saveONenergy Bi-Annual Retailer Event	Results are allocated based on average of 2008 & 2009 residential throughput.	April 15, 2017	Savings are considered to begin in the year in which the event occurs.	
4	saveONenergy HVAC Incentives	Results directly attributed to LDC based on customer applications and postal code.	April 15, 2017	Savings are considered to begin in the year that the installation occurred.	
5	saveONenergy Residential New Construction	Results are directly attributed to LDC based on LDC identified in application in the iCon system.	April 15, 2017	Savings are considered to begin in the year of the project completion date.	
6	saveONenergy Energy Audit	Projects are directly attributed to LDC based on LDC identified in the application.	April 15, 2017	Savings are considered to begin in the year of the audit date.	Peak demand and energy savings are determined by the total savings resulting from an audit as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
7	saveONenergy Efficiency: Equipment Replacement	Results are directly attributed to LDC based on LDC identified at the facility level in the iCon system. Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see page for Building type to Sector mapping.	April 15, 2017	Savings are considered to begin in the year of the actual project completion date in the iCON system.	Peak demand and energy savings are determined by the total savings for a given project as reported in the iCON system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track). Additional Note: project counts were derived by filtering out invalid statuses (e.g. Post-Project Submission - Payment denied by LDC) and only including projects with an "Actual Project Completion Date" in 2014)
8	saveONenergy Direct Installed Lighting	Results are directly attributed to LDC based on the LDC specified on the work order.	April 15, 2017	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumptions multiplied by the uptake of each measure accounting for the realization rate for both peak demand and energy to reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings take into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
9	saveONenergy New Construction and Major Renovation Incentive	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2017		Peak demand and energy savings are determined by the total savings for a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
10	saveONenergy Existing Building Commissioning Incentive	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2017		
11	saveONenergy Process & System Upgrades	Results are directly attributed to LDC based on LDC identified in application.	April 15, 2017	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
12	saveONenergy Energy Manager	Results are directly attributed to LDC based on LDC identified in application.	April 15, 2017	Savings are considered to begin in the year in which the project was completed by the energy manager. If no date is specified the savings will begin the year of the Quarterly Report submitted by the energy manager.	
13	saveONenergy Monitoring & Targeting	Results are directly attributed to LDC based on LDC identified in application.	April 15, 2017	Savings are considered to begin in the year in which the incentive project was completed.	
14	saveONenergy Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2017	Savings are considered to begin in the year in which the measures were installed.	Peak demand and energy savings are determined using the measure level per unit assumption multiplied by the uptake of each measure (gross), taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
15	Aboriginal Conservation Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2017		
16	Program Enabled Savings		April 15, 2017		

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Consumer Program Allocation Reference Table

#	Local Distribution Company	Allocation (%)
1	Algoma Power Inc.	0.18
2	Atikokan Hydro Inc.	0.02
3	Attawapiskat Power Corporation	0.01
4	Bluewater Power Distribution Corporation	0.62
5	Brantford Power Inc.	0.67
6	Burlington Hydro Inc.	1.34
7	Canadian Niagara Power Inc.	0.35
8	Centre Wellington Hydro Ltd.	0.11
9	Chapleau Public Utilities Corporation	0.03
10	COLLUS PowerStream Corp.	0.25
11	Cooperative Hydro Embrun Inc.	0.06
12	E.L.K. Energy Inc.	0.25
13	Energy+ Inc.	1.12
14	Enersource Hydro Mississauga Inc.	4.64
15	Entegrus Powerlines Inc.	0.70
16	EnWin Utilities Ltd.	1.49
17	Erie Thames Powerlines Corporation	0.32
18	Espanola Regional Hydro Distribution Corporation	0.06
19	Essex Powerlines Corporation	0.61
20	Festival Hydro Inc.	0.32
21	Fort Albany Power Corporation	0.01
22	Fort Frances Power Corporation	0.09
23	Greater Sudbury Hydro Inc.	0.80
24	Grimsby Power Incorporated	0.18
25	Guelph Hydro Electric Systems Inc.	0.85
26	Halton Hills Hydro Inc.	0.59
27	Hearst Power Distribution Company Limited	0.05
28	Horizon Utilities Corporation	3.72
29	Hydro 2000 Inc.	0.04
30	Hydro Hawkesbury Inc.	0.15
31	Hydro One Brampton Networks Inc.	3.59
32	Hydro One Networks Inc.	27.29
33	Hydro Ottawa Limited	6.61
34	InnPower Corporation	0.33
35	Kashechewan Power Corporation	0.02
36	Kenora Hydro Electric Corporation Ltd.	0.09
37	Kingston Hydro Corporation	0.29
38	Kitchener-Wilmot Hydro Inc.	1.51
39	Lakefront Utilities Inc.	0.11
40	Lakeland Power Distribution Ltd.	0.23
41	London Hydro Inc.	2.61
42	Midland Power Utility Corporation	0.10
43	Milton Hydro Distribution Inc.	0.66
44	Newmarket-Tay Power Distribution Ltd.	0.60
45	Niagara Peninsula Energy Inc.	0.82
46	Niagara-on-the-Lake Hydro Inc.	0.13
47	North Bay Hydro Distribution Limited	0.42
48	Northern Ontario Wires Inc.	0.09
49	Oakville Hydro Electricity Distribution Inc.	1.51
50	Orangeville Hydro Limited	0.20
51	Orillia Power Distribution Corporation	0.22
52	Oshawa PUC Networks Inc.	1.48
53	Ottawa River Power Corporation	0.12
54	Peterborough Distribution Incorporated	0.46
55	PowerStream Inc.	7.82
56	PUC Distribution Inc.	0.65
57	Renfrew Hydro Inc.	0.05
58	Rideau St. Lawrence Distribution Inc.	0.07
59	Sioux Lookout Hydro Inc.	0.08
60	St. Thomas Energy Inc.	0.28
61	Thunder Bay Hydro Electricity Distribution Inc.	0.82
62	Tillsonburg Hydro Inc.	0.12
63	Toronto Hydro-Electric System Limited	15.57
64	Veridian Connections Inc.	2.39
65	Wasaga Distribution Inc.	0.18
66	Waterloo North Hydro Inc.	0.96
67	Welland Hydro-Electric System Corp.	0.31
68	Wellington North Power Inc.	0.06
69	West Coast Huron Energy Inc.	0.06
70	Westario Power Inc.	0.37
71	Whitby Hydro Electric Corporation	1.12
Total		100.00

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Glossary

#	Term	Definition
	Reporting Terms	
1	Forecast	An LDCs' forecast of program activity, savings, net-to-gross adjustments, expenditures and cost effectiveness as indicated in each LDC's submitted CDM Plan Cost Effectiveness Tools. Forecasts at the province wide level are the sum of all LDCs' forecasts.
2	Reported	Program activity savings and expenditures as determined by the LDC. For savings: 1) for prescriptive projects/programs: calculating quantity x prescriptive savings assumptions; and 2) for engineered or custom program projects/programs: calculated using prescribed methodologies.
3	Verified	The IESO's annually EM&V assessed program activity, savings, net-to-gross, expenditures and cost effectiveness. Preliminary Verified results are provided by June 1st of each year and Final Verfied results are provided by July 1st of each year.
4	Adjustment	Verified results that were achieved in previous years but were not provided in a previous years' Annual Verified Results Report.
5	Progress or Comparison	An assessment of Actual results versus Verified results.
	Framework Terms	
6	2011-2014+2015 Extension Legacy Framework	Programs in market from 2011-2015 resulting from the April 23, 2010 GEA CDM Ministerial Directive and funded separately from 2015-2020 Conservation First Framework Programs but whose savings in 2015 are attributed towards the 2015-2020 Conservation First Framework target.
7	2015-2020 Conservation First Framework	Programs in market from 2015-2020 resulting from the March 31, 2014 CFF Ministerial Directive and funded separately from 2011-2014+2015 Extension Legacy Framework Programs.
8	LDC Innovation Fund	A source of funding under the 2015-2020 Conservation First Framework separate from LDC CDM Plan Budgets that the IESO maintains to support LDC led program design and market testing of new initiatives. Savings from LDC Innovation Fund pilot programs contribute to the LDCs savings targets based on the LDC service territory the pilot program is delivered in.
9	Conservation Fund	A source of funding external to the 2015-2020 Conservation First Framework that provides financial support for innovative electricity conservation technologies, practices, research, and pilot programs. Savings from Conservation Fund pilot programs contribute to the LDCs savings targets based on the LDC service territory the pilot program is delivered in.
	Programs Terms	
10	Program	A Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (e.g. Coupon; or Retrofit;) from the 2015-2020 Conservation First Framework.
11	Province-Wide Program	Programs available to all LDCs to deliver and that are consistent across the province.
12	Regional Program	Programs designed by LDCs to serve their region and approved by the IESO.
13	Local Program	Programs designed by LDCs to serve their communities and approved by the IESO.
14	Pilot Program	A program pilot that may achieve energy or demand savings and is funded separately from an LDC's CDM Plan Budget.
15	Initiative	A Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (e.g. Fridge & Freezer Pickup) from the 2011-2014+2015 Extension Legacy Framework.
	Activity Terms	
16	Participation	A measure of the level of program participation, such as number of projects, homes, equipment, etc..
17	Unit of Measure	For a specific initiative the relevant type of participation acquired in the market place (e.g. appliances picked up; coupon products installed; HVAC equipment installed; audits performed; or projects completed;).
	Savings Terms	
18	Energy Savings	Energy savings attributable to conservation and demand management activities.
19	Peak Demand Savings	Peak Demand savings attributable to conservation and demand management activities, as determined by the IESO's EM&V Protocols.
20	Incremental Savings	The energy or peak demand savings newly attributable to activity procured in a particular reporting period based on when the savings are considered to 'start'. Savings attributed to activity performed or completed in 2016 are presented as 2016 savings.
21	First Year Savings	The energy or peak demand savings that occur in the year it was achieved (includes resource savings from only new program activity).
22	Annual Savings	The energy or peak demand savings that occur in a given year (includes resource savings from new program activity and resource savings persisting from previous years).
23	Gross Savings	The energy or peak demand savings that have been reported based on a conservation and demand management program's participation tracking.
24	Net Savings	The energy or peak demand savings attributable to conservation and demand management activities, net of free-riders, spill over, etc.
25	Realization Rate	A comparison of originally reported savings and observed or measured savings that adjusts reported savings to arrive at verified savings. Accounts for discrepancies such as audited measure counts; adjustment for connected demand savings to peak demand savings; etc.
26	Net-to-Gross Adjustment	The ratio of net savings to gross savings, which takes into account factors such as free-ridership, spillover, etc.
27	Free-ridership	The percentage of participants who would have implemented the program measure or practice in the absence of the program.
28	Spillover	Reductions in energy consumption and/or demand caused by the presence of the energy efficiency program, beyond the program-related gross savings of the participants. There can be participant and/or non-participant spillover.
29	Allocated Target	Each LDC's assigned portion of the Province's 7 TWh Net 2020 Annual Energy Savings Target of the 2015-2020 Conservation First Framework.
	Costs Terms	
30	Participant Incentive	Costs incurred in the delivery of a program related to incenting participants to perform peak demand or energy savings.
31	LDC Administrative Expense	Costs reported by the LDC in the delivery of a program related to labour, marketing, third-party expenses, etc.
32	IESO Value Added Services Cost	Costs incurred by the IESO's Value Added Service Provider related to associated programs (Coupons and Heating & Cooling), and charged to the LDC in which the programs's activity took place.
33	Total Administrative Expense	The sum of LDC Adminsitrative Expense and IESO Value Added Services Cost.
34	Delivery Cost	The sum of Total Administrative Expenses and Participant Incentives. **All costs are presented based on the period reported by LDCs to the IESO, not necessarily associated with reported activity.** **E.g. if an LDC reports by the December 2016 IESO Reporting Period: 1) program savings; 2) Participant Incentives; and 3) Administrative Expenses associated with a 2016 completed project, then: a) the savings; b) expenditures; and c) corresponding cost effectiveness; are attributed to the 2016 program year.** **However if the same is reported in or after the January 2017 IESO Reporting Period: i) the savings will be attributed to the 2016 program year; ii) the expenditures will be attributed to the 2017 program year and will not appear in the 2016 Verified Results Report; but iii) the project's Participant Incentives will be used to calculate 2016 Cost Effectiveness;**
35	Allocated Budget	Each LDC's assigned portion of the Province's $ 1.835 billion CDM Plan Budget of the 2015-2020 Conservation First Framework.
	Cost Effectiveness Terms	
36	Total Resource Cost Cost Effectiveness Test	A cost effectiveness test that measures the net cost of CDM based on the total costs of the program including both participants' and utility's costs.
37	Program Administrator Cost Cost Effectiveness Test	A cost effectiveness test that measures the net cost of CDM based on costs incurred by the program administrator, including incentive costs and excluding net costs incurred by the participant.
38	Levelized Unit Energy Cost Cost Effectiveness Test	A cost effectiveness test that normalizes the costs incurred by the program administrator per unit of energy or demand reduced.

ATTACHMENT 44
INCREMENTAL CAPITAL MODULE
ENERSOURCE RZ

Ontario Energy Board

Capital Module
Applicable to ACM and ICM

Note: Depending on the selections made below, certain worksheets in this workbook will be hidden. Version 3.01

Utility Name	Alectra Utilities Corporation - Enersource Rate Zone
Service Territory (if filing more than one model)	
Assigned EB Number	EB-2018-0016
Name of Contact and Title	Natalie Yeates, Director Regulatory Affairs & Reporting
Phone Number	905-283-4095
Email Address	natalie.yeates@alectrautilities.com
Is this Capital Module being filed in a CoS or Price-Cap IR Application?	**Price-Cap IR**
Rate Year	
Indicate the Price-Cap IR Year (1, 2, 3, 4, etc) in which Alectra Utilities Corporation - Enersource Rate	**6**
For which Rate Year is Alectra Utilities Corporation - Enersource Rate Zone seeking approval for its CoS application?	
s Corporation - Enersource Rate Zone is applying for:	**ICM Approval**
Last Rebasing Year:	**2013**
Last COS OEB Application Number	**EB-2012-0033**
The most recent complete year for which actual billing and load data exists	**2017**
Current IPI	**1.20%**
Strech Factor Assigned to Middle Cohort	**III**
Stretch Factor Value	**0.30%**
Price Cap Index	**0.90%**

Based on the inputs above, the growth factor utilized in the Materiality Threshold Calculation will be determined by:

$$\frac{\text{2017 Actual Distribution Revenues}}{\text{2013 Board-Approved Distribution Revenues}}$$

Notes

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.

White cells contain fixed values, automatically generated values or formulae.

defer rebasing. If a distributor is under Price Cap IR for more than four years after rebasing and applies for an ICM, this spreadsheet will need to be adapted to accommodate those circumstances. The distributor

Ontario Energy Board

Capital Module

Applicable to ACM and ICM

Alectra Utilities Corporation - Enersource Hydro Mississauga Inc.

Select the appropriate rate classes as they appear on your most recent Board-Approved Tariff of Rates and Charges, excluding the MicroFit

How many classes are on your most recent Board-Approved Tariff of Rates and Charges? **7**

Select Your Rate Classes from the **Blue Cells** below. Please ensure that a rate class is assigned to **each shaded cell.**

	Rate Class Classification
1	RESIDENTIAL
2	GENERAL SERVICE LESS THAN 50 KW
3	GENERAL SERVICE 50 TO 499 KW
4	GENERAL SERVICE 500 TO 4,999 KW
5	LARGE USE
6	UNMETERED SCATTERED LOAD
7	STREET LIGHTING

Ontario Energy Board

Capital Module
Applicable to ACM and ICM
Alectra Utilities Corporation - Enersource Hydro Mississauga Inc.

Input the billing determinants and base distribution rates associated with 's 2017 Actual Distribution Revenues. Sheets 4 & 5 calculate the

Rate Class	Units	2017 Actual Distribution Revenues			2017 Actual Distribution Revenues		
		Billed Customers or Connections	Billed kWh	Billed kW (if applicable)	Monthly Service Charge	Distribution Volumetric Rate kWh	Distribution Volumetric Rate kW
RESIDENTIAL	$/kWh	183,145	1,440,461,108		19.11	0.0069	
GENERAL SERVICE LESS THAN 50 KW	$/kWh	18,413	618,679,646		43.60	0.0127	
GENERAL SERVICE 50 TO 999 KW	$/kW	3,692	1,993,768,779	5,780,039	76.79		4.6213
GENERAL SERVICE 500 TO 4,999 KW	$/kW	471	2,006,067,810	4,610,762	1748.68		2.3780
LARGE USE	$/kW	9	981,267,691	1,753,816	13787.64		2.9516
UNMETERED SCATTERED LOAD	$/kWh	3,106	11,421,124		9.00	0.0164	
STREET LIGHTING	$/kW	50,724	14,875,866	41,240	1.51		11.5465

Ontario Energy Board

Capital Module
Applicable to ACM and ICM
Alectra Utilities Corporation - Enersource Hydro Mississauga Inc.

Calculation of 2016 Revenue Requirement. No input required.

2017 Actual Distribution Revenues

Rate Class	Billed Customers or Connections	Billed kWh	Billed kW (if applicable)	Monthly Service Charge	Distribution Volumetric Rate kWh	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
	A	B	C	D	E	F	G = A * D *12	H = B * E	I = C * F	J = G + H + I	K = G / J	L = H / J	M = I / J	N = J / R
RESIDENTIAL	183,145	**1,440,461,108**		19.11	0.0069	0.0000	41,998,811	9,939,182	0	51,937,993	80.9%	19.1%	0.0%	40.3%
GENERAL SERVICE LESS THAN 50 KW	18,413	**618,679,646**		43.60	0.0127	0.0000	9,633,682	7,857,232	0	17,490,913	55.1%	44.9%	0.0%	13.6%
GENERAL SERVICE 50 TO 999 KW	3,692	1,993,768,779	**5,780,039**	76.79	0.0000	4.6213	3,402,104	0	26,711,295	30,113,399	11.3%	0.0%	88.7%	23.3%
GENERAL SERVICE 500 TO 4,999 KW	471	2,006,067,810	**4,610,762**	1,748.68	0.0000	2.3780	9,883,539	0	10,964,393	20,847,932	47.4%	0.0%	52.6%	16.2%
LARGE USE	9	981,267,691	**1,753,816**	13,787.64	0.0000	2.9516	1,489,065	0	5,176,563	6,665,628	22.3%	0.0%	77.7%	5.2%
UNMETERED SCATTERED LOAD	3,106	**11,421,124**		9.00	0.0164	0.0000	335,448	187,306	0	522,754	64.2%	35.8%	0.0%	0.4%
STREET LIGHTING	50,724	14,875,866	**41,240**	1.51	0.0000	11.5465	919,119	0	476,178	1,395,297	65.9%	0.0%	34.1%	1.1%
Total	**259,560**	**7,066,542,024**	**12,185,857**				**67,661,769**	**17,983,720**	**43,328,428**	**128,973,917**				**100.0%**

Ontario Energy Board

Capital Module
Applicable to ACM and ICM

Applicants Rate Base

2017 Actual Distribution Revenues

Average Net Fixed Assets						
Gross Fixed Assets - Re-based Opening	$	541,300,088	A			
Add: CWIP Re-based Opening	$	4,371,726	B			
Re-based Capital Additions	$	46,257,875	C			
Re-based Capital Disposals	-$	1,026,755	D			
Re-based Capital Retirements			E			
Deduct: CWIP Re-based Closing	-$	4,371,726	F			
Gross Fixed Assets - Re-based Closing	$	586,531,208	G			
Average Gross Fixed Assets				$	563,915,648	H = (A + G) / 2
Accumulated Depreciation - Re-based Opening	$	45,750,490	I			
Re-based Depreciation Expense	$	28,721,695	J			
Re-based Disposals			K			
Re-based Retirements	-$	1,026,755	L			
Accumulated Depreciation - Re-based Closing	$	73,445,430	M			
Average Accumulated Depreciation				$	59,597,960	N = (I + M) / 2
Average Net Fixed Assets				**$**	**504,317,688**	O = H - N
Working Capital Allowance						
Working Capital Allowance Base	$	786,215,891	P			
Working Capital Allowance Rate		13.5%	Q			
Working Capital Allowance				**$**	**106,139,145**	R = P * Q
Rate Base				**$**	**610,456,833**	S = O + R
Return on Rate Base						
Deemed ShortTerm Debt %		4.00%	T	$	24,418,273	W = S * T
Deemed Long Term Debt %		56.00%	U	$	341,855,827	X = S * U
Deemed Equity %		40.00%	V	$	244,182,733	Y = S * V
Short Term Interest		2.08%	Z	$	507,900	AC = W * Z
Long Term Interest		5.09%	AA	$	17,400,462	AD = X * AA
Return on Equity		8.93%	AB	$	21,805,518	AE = Y * AB
Return on Rate Base				**$**	**39,713,880**	AF = AC + AD + AE
Distribution Expenses						
OM&A Expenses	$	52,564,731	AG			
Amortization	$	25,461,695	AH			
Ontario Capital Tax			AI			
Grossed Up PILs	$	3,079,933	AJ			
Low Voltage			AK			
Transformer Allowance	$	2,000,166	AL			
			AM			
			AN			
			AO			
				$	**83,106,525**	AP = SUM (AG : AO)
Revenue Offsets						
Specific Service Charges	-$	1,236,783	AQ			
Late Payment Charges	-$	1,800,192	AR			
Other Distribution Income	-$	724,731	AS			
Other Income and Deductions	-$	1,068,717	AT	**-$**	**4,830,423**	AU = SUM (AQ : AT)
Revenue Requirement from Distribution Rates				**$**	**117,989,982**	AV = AF + AP + AU
Rate Classes Revenue						
Rate Classes Revenue - Total (Sheet 5)				$	128,973,917	AW
Difference				-$	10,983,935	AZ = AV - AW
Difference (Percentage - should be less than 1%)					-8.52%	BA = AZ / AW

Ontario Energy Board

Capital Module
Applicable to ACM and ICM

Input the billing determinants associated with Alectra Utilities Corporation - Enersource Hydro Mississauga Inc. 2013 Board-Approved Distribution Revenues. This sheet calculates the DENOMINATOR portion of the growth factor calculation.
Pseudo Revenue Requirement Calculation.

	2013 Board-Approved Distribution Revenues			2017 Base Rates										
Rate Class	Billed Customers or Connections	Billed kWh	Billed kW	Monthly Service Charge	Distribution Volumetric Rate kWh	Distribution Volumetric Rate kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Total Revenue By Rate Class	Service Charge % Revenue	Distribution Volumetric Rate % Revenue kWh	Distribution Volumetric Rate % Revenue kW	Total % Revenue
	A	B	C	D	E	F	G = A * D *12	H = B * E	I = C * F	J = G + H + I	K = G / J_{total}	L = H / J_{total}	M = I / J_{total}	N = J / J_{total}
RESIDENTIAL	176,865	1,423,857,475		19.11	0.0069	0.0000	40,558,682	9,824,617	0	50,383,298	31.1%	7.5%	0.0%	38.6%
GENERAL SERVICE LESS THAN 50 KW	17,703	612,188,101		43.60	0.0127	0.0000	9,262,210	7,774,789	0	17,036,998	7.1%	6.0%	0.0%	13.1%
GENERAL SERVICE 50 TO 999 KW	3,950		6,222,022	76.79	0.0000	4.6213	3,639,846	0	28,753,830	32,393,676	2.8%	0.0%	22.1%	24.8%
GENERAL SERVICE 500 TO 4,999 KW	464		5,154,338	1,748.68	0.0000	2.3780	9,736,650	0	12,257,016	21,993,666	7.5%	0.0%	9.4%	16.9%
LARGE USE	9		1,737,267	13,787.64	0.0000	2.9516	1,489,065	0	5,127,717	6,616,782	1.1%	0.0%	3.9%	5.1%
UNMETERED SCATTERED LOAD	2,942	10,383,027		9.00	0.0164	0.0000	317,736	170,282	0	488,018	0.2%	0.1%	0.0%	0.4%
STREET LIGHTING	49,986		49,889	1.51	0.0000	11.5465	905,746	0	576,043	1,481,790	0.7%	0.0%	0.4%	1.1%
Total	**251,919**	**2,046,428,603**	**13,163,516**				**65,909,935**	**17,769,687**	**46,714,607**	**130,394,229**				**100.0%**

Ontario Energy Board

Capital Module
Applicable to ACM and ICM

Current Revenue from Rates

This sheet is used to determine the applicant's most current allocation of revenues (after the most recent revenue to cost ratio adjustment, if applicable)

	Most Recent Board-Approved Base Rates			2017 Actual Distribution Revenues											
Rate Class	**Monthly Service Charge**	**Distribution Volumetric Rate kWh**	**Distribution Volumetric Rate kW**	**Re-based Billed Customers or Connections**	**Re-based Billed kWh**	**Re-based Billed kW**	**Current Base Service Charge Revenue**	**Current Base Distribution Volumetric Rate kWh Revenue**	**Current Base Distribution Volumetric Rate kW Revenue**	**Total Current Base Revenue**	**Service Charge % Total Revenue**	**Distribution Volumetric Rate % Total Revenue**	**Distribution Volumetric Rate % Total Revenue**	**Total % Revenue**
	A	**B**	**C**	**D**	**E**	**F**	**G = A * D *12**	**H = B * E**	**I = C * F**	**J = G + H + I**	**$L = G / J_{total}$**	**$M = H / J_{total}$**	**$N = I / J_{total}$**	**$O = J / J_{total}$**
RESIDENTIAL	21.61	0.0035	0.0000	183,145	1,440,461,108		47,493,161	5,041,614	0	52,534,775	36.46%	3.87%	0.00%	40.3%
GENERAL SERVICE LESS THAN 50 KW	43.99	0.0128	0.0000	18,413	618,679,646		9,719,854	7,919,099	0	17,638,954	7.46%	6.08%	0.00%	13.5%
GENERAL SERVICE 50 TO 999 KW	77.48	0.0000	4.6629	3,692	1,993,768,779	5,780,039	3,432,674	0	26,951,744	30,384,418	2.64%	0.00%	20.69%	23.3%
GENERAL SERVICE 500 TO 4,999 KW	1764.42	0.0000	2.3994	471	2,006,067,810	4,610,762	9,972,502	0	11,063,063	21,035,565	7.66%	0.00%	8.49%	16.1%
LARGE USE	13911.73	0.0000	2.9782	9	981,267,691	1,753,816	1,502,467	0	5,223,215	6,725,682	1.15%	0.00%	4.01%	5.2%
UNMETERED SCATTERED LOAD	9.08	0.0165	0.0000	3,106	11,421,124		338,430	188,449	0	526,878	0.26%	0.14%	0.00%	0.4%
STREET LIGHTING	1.52	0.0000	11.6504	50,724	14,875,866	41,240	925,206	0	480,462	1,405,668	0.71%	0.00%	0.37%	1.1%
Total							**73,384,294**	**13,149,162**	**43,718,485**	**130,251,941**				**100.0%**

Ontario Energy Board

Capital Module

Applicable to ACM and ICM

Alectra Utilities Corporation - Enersource Hydro Mississauga Inc.

No Input Required.

Final Threshold Calculation

$$Threshold\ Value\ (\%) = 1 + \left[\left(\frac{RB}{d}\right) \times (g + PCI \times (1+g))\right] \times \left((1+g) \times (1+PCI)\right)^{n-1} + 10\%$$

Year		**2019**	
Year in which Applicant is applying		**6**	n
Price Cap Index		**0.90%**	PCI
Growth Factor Calculation			
2017 Actual Distribution Revenues		**$128,973,917**	
2013 Board-Approved Distribution Revenues		**$130,394,229**	
Growth Factor		**-0.27%**	g (Note 1)
Dead Band		**10%**	
Average Net Fixed Assets			
Gross Fixed Assets Opening	$	541,300,088	
Add: CWIP Opening	$	4,371,726	
Capital Additions	$	46,257,875	
Capital Disposals	-$	1,026,755	
Capital Retirements	$	-	
Deduct: CWIP Closing	-$	4,371,726	
Gross Fixed Assets - Closing	$	586,531,208	
Average Gross Fixed Assets	$	563,915,648	
Accumulated Depreciation - Opening	$	45,750,490	
Depreciation Expense	$	28,721,695	
Disposals	$	-	
Retirements	-$	1,026,755	
Accumulated Depreciation - Closing	$	73,445,430	
Average Accumulated Depreciation	$	59,597,960	
Average Net Fixed Assets	$	504,317,688	
Working Capital Allowance			
Working Capital Allowance Base	$	786,215,891	
Working Capital Allowance Rate		13.5%	
Working Capital Allowance	$	106,139,145	
Rate Base	**$**	**610,456,833**	RB
Depreciation	**$**	**28,721,695**	d
Threshold Value (varies by Price Cap IR Year subsequent to CoS rebasing)			
Price Cap IR Year 2014		**123.3%**	
Price Cap IR Year 2015		**123.4%**	
Price Cap IR Year 2016		**123.5%**	
Price Cap IR Year 2017		**123.5%**	
Price Cap IR Year 2018		**123.6%**	
Price Cap IR Year 2019		**123.7%**	
Threshold CAPEX			$Threshold\ Value \times d$
Price Cap IR Year 2014	**$**	**35,410,673**	
Price Cap IR Year 2015	**$**	**35,434,537**	
Price Cap IR Year 2016	**$**	**35,458,550**	
Price Cap IR Year 2017	**$**	**35,482,714**	
Price Cap IR Year 2018	**$**	**35,507,028**	
Price Cap IR Year 2019	**$**	**35,531,495**	

Note 1: The growth factor g is annualized, depending on the number of years between the numerator and denominator for the

Ontario Energy Board

Capital Module
Applicable to ACM and ICM

Identify ALL Proposed ACM projects and related CAPEX costs in the relevant years

	Cost of Service	Price Cap IR			
	Test Year 2013	Year 3 2016	Year 4 2017	Year 5 2018	Year 6 2019
Distribution System Plan CAPEX					$ 74,315,118
Materiality Threshold					$ 35,531,495
Maximum Eligible Incremental Capital (Forecasted Capex less Threshold)	$ -	$ -	$ -	$ -	$ 38,783,623

Project Descriptions:	Type	Test Year 2013	Year 3 2016	Year 4 2017	Year 5 2018	Year 6 2019	Total
							$ -
							$ -
							$ -
							$ -
							$ -
							$ -
Transformer Replacement Project						$ 7,500,000	$ **7,500,000**
Rometown						$ 3,200,000	$ **3,200,000**
							$ -
							$ -
							$ -
							$ -
							$ -
							$ -
							$ -
							$ -
							$ -
							$ -
							$ -
Total Cost of ACM Projects		$ -	$ -	$ -	$ -	$ 10,700,000	$ **10,700,000**
Maximum Allowed Incremental Capital			$ -	$ -	$ -	$ 10,700,000	$ 10,700,000

		Price Cap IR			
	Test Year 2013	Year 1 2016	Year 2 2017	Year 3 2018	Year 4 2019
Distribution System Plan CAPEX	$ -	$ -	$ -	$ -	$ 74,315,118
Materiality Threshold		$ -	$ -	$ -	$ 35,531,495
Maximum Eligible Incremental Capital (Forecasted Capex less Threshold)	$ -	$ -	$ -	$ -	$ 38,783,623

		Test Year 2013	Year 1 2016			Year 2 2017			Year 3 2018			Year 4 2019		
Project Descriptions:	**Type**		**Proposed ACM/ICM**	**Amortization Expense**	**CCA**	**Proposed ACM/ICM**	**Amortization Expense**	**CCA**	**Proposed ACM/ICM**	**Amortization Expense**	**CCA**	**Proposed ACM/ICM**	**Amortization Expense**	**CCA**
			$ -			$ -			$ -			$ -		
			$ -			$ -			$ -			$ -		
			$ -			$ -			$ -			$ -		
			$ -			$ -			$ -			$ -		
			$ -			$ -			$ -			$ -		
			$ -			$ -			$ -			$ -		
Transformer Replacement Project			$ -			$ -			$ -			$ **7,500,000**	$ 198,490	$ 599,853
Rometown			$ -			$ -			$ -			$ **3,200,000**	$ 82,181	$ 255,926
			$ -			$ -			$ -			$ -		
			$ -			$ -			$ -			$ -		
			$ -			$ -			$ -			$ -		
			$ -			$ -			$ -			$ -		
			$ -			$ -			$ -			$ -		
			$ -			$ -			$ -			$ -		
			$ -			$ -			$ -			$ -		
			$ -			$ -			$ -			$ -		
			$ -			$ -			$ -			$ -		
			$ -			$ -			$ -			$ -		
			$ -			$ -			$ -			$ -		
Total Cost of Projects			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 10,700,000	$ 280,671	$ 855,779

Ontario Energy Board

Capital Module
Applicable to ACM and ICM

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Incremental Capital Adjustment

Current Revenue Requirement					
Current Revenue Requirement - Total			$	117,989,982	A

Return on Rate Base					
Incremental Capital			$	10,700,000	B
Depreciation Expense			$	280,671	C
Incremental Capital to be included in Rate Base			$	10,419,329	D = B - C
Deemed ShortTerm Debt %	4.0%	E	$	416,773	G = D * E
Deemed Long Term Debt %	56.0%	F	$	5,834,824	H = D * F
Short Term Interest	2.08%	I	$	8,669	K = G * I
Long Term Interest	5.09%	J	$	296,993	L = H * J
Return on Rate Base - Interest			$	305,661	M = K + L
Deemed Equity %	40.00%	N	$	4,167,732	P = D * N
Return on Rate Base -Equity	8.93%	O	$	372,178	Q = P * O
Return on Rate Base - Total			$	677,840	R = M + Q

Amortization Expense					
Amortization Expense - Incremental		C	$	280,671	S

Grossed up PIL's					
Regulatory Taxable Income		O	$	372,178	T
Add Back Amortization Expense		S	$	280,671	U
Deduct CCA			$	855,779	V
Incremental Taxable Income			-$	202,930	W = T + U - V
Current Tax Rate	26.5%	X			
PIL's Before Gross Up			-$	53,776	Y = W * X
Incremental Grossed Up PIL's			-$	73,165	Z = Y / (1 - X)

Incremental Revenue Requirement					
Return on Rate Base - Total		Q	$	677,840	AA
Amortization Expense - Total		S	$	280,671	AB
Incremental Grossed Up PIL's		Z	-$	73,165	AC
Incremental Revenue Requirement			$	885,346	AD = AA + AB + AC

Applicable to ACM and ICM

0

Calculation of incremental rate rider. Choose one of the 3 options:

(•) Fixed and Variable Rate Riders ( ) Variable Only Rate Rider ( ) Fixed Only Rate Rider

Rate Class	Service Charge % Revenue	Distribution Volumetric Rate % Revenue kWh	Distribution Volumetric Rate % Revenue kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Total Revenue by Rate Class	Billed Customers or Connections	Billed kWh	Billed kW	Service Charge Rate Rider	Distribution Volumetric Rate kWh Rate Rider	Distribution Volumetric Rate kW Rate Rider
	From Sheet 8	*From Sheet 8*	*From Sheet 8*	Col C * Col I_{total}	Col D* Col I_{total}	Col E* Col I_{total}		*From Sheet 4*	*From Sheet 4*	*From Sheet 4*	Col F / Col K / 12	Col G / Col L	Col H / Col M
RESIDENTIAL	36.46%	3.87%	0.00%	322,820	34,269	0	357,088	183,145	1,440,461,108		0.16	0.0000	0.0000
GENERAL SERVICE LESS THAN 50 KW	7.46%	6.08%	0.00%	66,068	53,828	0	119,895	18,413	618,679,646		0.30	0.0001	0.0000
GENERAL SERVICE 50 TO 999 KW	2.64%	0.00%	20.69%	23,332	0	183,196	206,528	3,692	1,993,768,779	5,780,039	0.53	0.0000	0.0317
GENERAL SERVICE 500 TO 4,999 KW	7.66%	0.00%	8.49%	67,785	0	75,198	142,983	471	2,006,067,810	4,610,762	11.99	0.0000	0.0163
LARGE USE	1.15%	0.00%	4.01%	10,213	0	35,503	45,716	9	981,267,691	1,753,816	94.56	0.0000	0.0202
UNMETERED SCATTERED LOAD	0.26%	0.14%	0.00%	2,300	1,281	0	3,581	3,106	11,421,124		0.06	0.0001	0.0000
STREET LIGHTING	0.71%	0.00%	0.37%	6,289	0	3,266	9,555	50,724	14,875,866	41,240	0.01	0.0000	0.0792
Total	**56.34%**	**10.10%**	**33.56%**	**498,806**	**89,377**	**297,162**	**885,346**	**259,560**	**7,066,542,024**	**12,185,857**			
							885,346						

ATTACHMENT 45
2017 ROE (RRR 2.1.5.6)
ALECTRA UTILITIES

Regulated Return on Equity (ROE) - Summary

Regulated Rate of Return on Deemed Equity (ROE)

A distributor shall report, in the form and manner determined by the OEB, the Regulated Return on Equity (ROE) earned in the reporting year.

The reported ROE is to be calculated on the same basis as was used in the distributor's last Cost of Service (CoS).

Inputs by Distributor: Revenue/gain items are to be entered as negative numbers and expense/loss items are to be entered as positive numbers (to align with RRR 2.1.7 trial balance). Please read the RRR Filing Guide for the detailed guidance on the inputs of the form and appendices.

Information from the distributor's last CoS Decision and Order and the successfully submitted RRR 2.1.7 trial balance have been pre-populated in this form. Please review each input for accuracy and contact Industry Relations Enquiry if you have any questions.

Legend

Calculated cell	
Automated/linked cell	
Input cell	

					Data source:	
The CoS Decision and Order EB number for the ROE		EB-2016-0025/EB-2016-0360		xx	CoS Decision and Order (last CoS establishing the current reporting year's base rates)	
Accounting standard used in CoS Decision and Order		MIFRS		yy	CoS Decision and Order	
Regulated net income						
Regulated net income (loss), as per RRR 2.1.7		$77,029,537.60		a	RRR 2.1.7 - USoA 3046 * (-1)	
Adjustment items:						
Non-rate regulated items and other adjustments (Appendix 1)		$13,551,714.09		b	Appendix 1 cell (aq)	**Please provide USoAs**
Unrealized (gains)/losses on interest rate swaps (Not applicable if recorded in Other Comprehensive Income)				c		
						Please provide USoAs
Actuarial (gains)/losses on OPEB and/or Pensions not approved by the OEB				d		
Non-recoverable donations (Appendix 2)		$0.00		e	Appendix 2 cell (be)	
Net interest/carrying charges from DVAs (Appendix 3)		$560,885.60		f	Appendix 3 cell (cc)	
Interest adjustment for deemed debt (Appendix 4)		-$8,602,646.36		g	Appendix 4 cell (dg)	
Adjusted regulated net income before tax adjustments		$82,539,490.93		h=a+b+c+d+e+f+g		
Add back:						
Future/deferred taxes expense		$10,986,040.59		i	RRR 2.1.7 - USoA 6115	
Current income tax expense (Does not include future income tax)		-$469,520.33		j	RRR 2.1.7 - USoA 6110	
Deduct:						
Current income tax expense for regulated ROE purposes (Appendix 6)		$990,617.30		k	Appendix 6 cell (fq)	
Adjusted regulated net income		$92,065,393.88		l=h+i+j-k		
Deemed Equity						
Rate base:						
Cost of power		$2,489,690,903.09		m	RRR 2.1.7 - Sum of USoA 4705 - 4751 inclusive	
Operating expenses before any applicable adjustments		$233,507,336.53		n1	RRR 2.1.7 - Sum of USoA 4505-4640, 4805-5695, 6105, 6205 , 6210, and 6225, then subtract ROE Summary cell (d) and subtract ROE Summary cell (e)	
Other Adjustments:						
						Please provide USoAs
Net Synergy Savings/Transition Costs		$2,032,670.53		n2		various OM&A
Adjusted operating expenses		$231,474,666.00		n=n1-n2		
Total Cost of Power and Operating Expenses		$2,721,165,569.09		o=m+n		
Working capital allowance % as approved in the last Decision and Order		10.66%	%	p	CoS Decision and Order	
Total working capital allowance ($)		$290,076,249.66		q=o*p		
PP&E						
Opening balance - regulated PP&E (NBV) (Appendix 5)		$2,376,442,007.70		r	Appendix 5 cell (ec)	
Adjusted closing balance - regulated PP&E (NBV) (Appendix 5)		$2,505,427,987.45		s	Appendix 5 cell (ej)	
Average regulated PP&E		$2,440,934,997.58		t=(r+s)/2		
Total rate base		$2,731,011,247.24		u=q+t		
Regulated deemed short-term debt % and $	4.00% % v	$109,240,449.89		v1=v*u	Cell (v) from CoS Decision and Order	
Regulated deemed long-term debt % and $	56.00% % w	$1,529,366,298.45		w1=w*u	Cell (w) from CoS Decision and Order	
Regulated deemed equity % and $	40.00% % x	$1,092,404,498.90		x1=x*u	Cell (x) from CoS Decision and Order	
Regulated Rate of Return on Deemed Equity (ROE)						
Achieved ROE%		8.43%	%	y= l / x1		
Deemed ROE% from the distributor's last CoS Decision and Order		8.90%	%	z	CoS Decision and Order	
Difference - maximum deadband 3%		-0.47%	%	z1 = y-z		
ROE status for the year (Over-earning/Under-earning/Within 300 basis points deadband)		Within 300 basis points deadband		z2		If the distributor is in an over-earning position as indicated in z2 , please complete Appendices 7 & 8. If the distributor is in an under-earning position as indicated in z2 , please complete Appendices 9 & 10.

ATTACHMENT 46
ICM BUSINESS CASES
ENERSOURCE RZ

Project Name
Rometown Area Overhead System Rebuild

Project Duration
2019

Expected in-service date
12/31/2019

Category
System Renewal

Summary

Through its inspection program in the Enersource Rate Zone, in the City of Mississauga, Alectra Utilities identified a number of poles that are in poor condition (i.e., signs of rotting, mechanical damage, insect infestation, and cracking). These inspections, which involved visual as well as resistograph testing of the poles' residual strength, also revealed the poor condition of overhead assets, including: the existence of leaning poles; deteriorated porcelain insulators (which are prone to cracking and shattering which leads to failures, outages and pole fires) and transformers showing signs of leaking oil. Consequently, the area south of Queen Elizabeth Way and east of Dixie Road (i.e., Rometown) was identified as needing investment renewal.

Background

Since 2014, Enersource has increased the frequency and detail level of inspections, reviewing outage data more rigorously, as well as striving to implement additional analytical methods to guide the pacing of asset replacements. By leveraging the increased asset data that was collected and analyzed, Alectra developed the renewal investment plan in the Distribution System Plan ("DSP") that was filed with the Ontario Energy Board ("OEB") in part of Alectra's 2018 Electricity Distribution Rate and Incremental Capital Module ("ICM") Application (EB-2017-0024). Based on inspection of overhead systems, a number of poles were found to be in the poor condition, which included demonstrable evidence of rotting, mechanical damage, evidence of insect infestation, and pole cracking. In addition, through field inspections, Alectra identified a number of overhead mounted transformers leaking oil.

This project targets a defined system area with known substandard assets, based on identified system renewal needs and seeks to bring the existing substandard overhead system to present day standards. This differs from Alectra's more limited annual Pole Replacement Program which aims to replace individual poles throughout the RZ based on identified hazards and poor condition. The Rometown project not only includes the replacement of poles, but also the replacement of substandard overhead system configuration with porcelain or known hazardous polymer insulators, replacement of damaged grounds, incorporates animal contact protection and provides improved clearance for enhanced safety. Rates in the Enersource RZ support $2.7MM of capital investment for overhead system renewal which includes $1.2MM for the Pole Replacement Program and $1.5MM for the Overhead Equipment Replacement Program. The

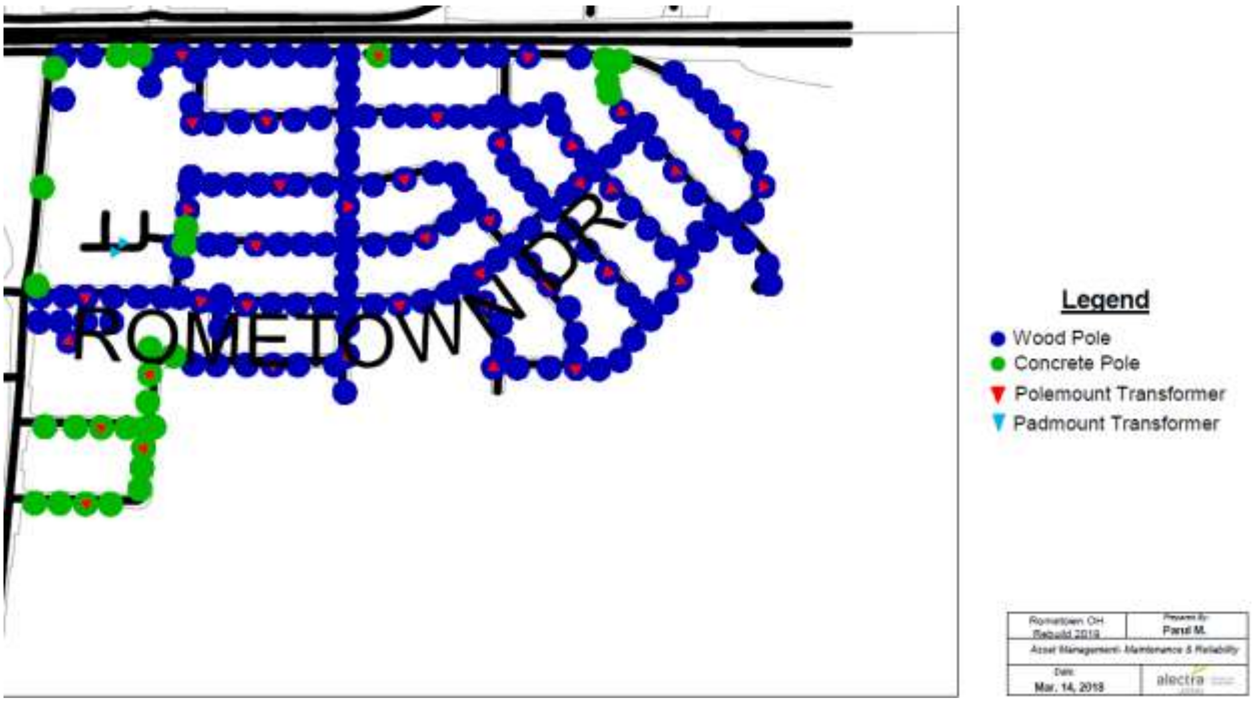
Overhead Equipment Replacement Program is required to renewal overhead equipment such as overhead switches, fault indicators as well as animal protection equipment as required in spot locations across the Enersource RZ. Incremental funds are required to support investments for overhead system renewals such as required in the Rometown area in the Enersource RZ.

As pole lines deteriorate with utilization and time, their strength is reduced. With reduced strength, the risk of failure under adverse weather conditions increases and introduces the investment need to renew the sub-standard asset. Pole line failure introduces operational risks, related to addressing reliability and public safety hazard. Health Index assessment of the wood poles completed by Kinectrics in 2016 identified that 16% of poles had a very poor or poor health index.

Considering results from field inspection, asset Health Index assessment and awareness of sub-standard system configurations, Alectra applied an overlay methodology for overhead renewal. The overlay methodology examined specific system areas with assets of sub-standard condition which were then used to identify and prioritize areas with renewal investment needs. Areas with high concentration of multiple sub-standard findings, system configuration and loading demands, as well as business values are used to prioritize investment needs for overhead system renewal. Assessment of risk relating to overhead system renewal failure is also utilized to determine pacing of investments to address the identified renewal needs. In addition to investment needs driven by pole conditions, configuration and criticality, the overlay methodology for overhead system renewal also considers other investment needs, such as insulators with a high propensity of failure and leading causes for pole top fires. Benefits of utilizing overhead system renewal by area include: leveraging economies of scale; minimizing customer disruption and outages; and addressing multiple investment needs.

To supplement and enhance the overhead system inspection, Alectra conducted additional testing of wood poles, utilizing the resistograph technology which provides Alectra the ability to determine remaining pole strength through the detection of decay and cavities in wood poles. Based on the poor condition of the overhead assets, number of failed poles, identified pin-top porcelain insulators and identification of leaking transformer, the area of Rometown Drive south of the Queen Elizabeth Way and east of Dixie Road was identified as requiring renewal investment.

Figure 1 – Overhead Distribution System in Rometown Drive Area



The scope of the project is to renew the deteriorated overhead system to present day standard configuration and to increase the distribution system's longevity. As per the 2016 Asset Condition Assessment ("ACA") study, 34.3% (68 out of 198) poles in this area were flagged "Poor" and 28.3% (56 out of 198) poles "Fair", based on the parameters of pole physical condition, mechanical damage, pole leaning and cracks. Based on these results from the ACA, a total of 78 poles should be replaced based on their condition.

In addition, those wood poles that were found to be leaning (beyond acceptable standard) will require to be re-tensioned or re-seated. Should those poles fail during the adjustment, they will need to be replaced in an emergency situation. Five transformers have been identified as indicating signs of leaking and six pole-mounted transformers are beyond the useful life.

Outages due to tree contact occur when trees, or portions of trees, grow or fall into overhead power lines. The outage history of this area identified that the leading cause of long duration outages is vegetation tearing down the overhead lines. In order to improve system reliability and reduce outages due to tree contact, trimming of trees in the vicinity of overhead system will be undertaken, in coordination with the system renewal.

Table 1 – Outage History due to Equipment Failure in Rometown Area

Year	Number of Outages	Customers Impacted	Customer Interruption Minutes
2012	2	1,565	1,565
2013	0	0	0
2014	1	13	1,586
2015	3	37	3,251
2016	0	0	0
2017	0	0	0
Total	**6**	**1,615**	**6,402**

Table 2 – Outage History due to Tree Contact in Rometown Area

Year	Number of Outages	Customers Impacted	Customer Interruption Minutes
2012	0	0	0
2013	0	0	0
2014	1	529	58,862
2015	1	1	198
2016	0	0	0
2017	1	1,023	44,179
Total	**3**	**1,553**	**103,239**

Options Considered

Option 1: Status Quo – Operate with existing overhead system and address failures reactively

With this option, the pole line would eventually fail and would have to be repaired under emergency conditions, which is not economical when compared to scheduled construction. Further, a number of the poles in poor condition are clustered together, thereby increasing the risk of a longer outage due to cascading failure. With a pole failure, there is an increased risk that it could result in an unsafe situation to the public or result in damage to private property. Five of the transformers have been identified as leaking. Deferral of replacing the transformers increases the probability that level of oil leaking increases therefore increasing the environmental contamination necessitating an expensive environmental remediation and notification to the Ministry of Environment. Without modifications to the existing overhead systems, the probability of tree contacts is expected to continue, resulting in decreased reliability.

Option 2: Renew the entire overhead system in the area

This option will renew the entire overhead system in the area, complete with new concrete and wood poles, framing, insulators, and replacement of pole-mounted transformers. The renewal of the overhead system will bring the distribution system in Rometown area to present day standards. Benefits of a system renewal include addressing the poles condition, removal of leaking transformer mitigating possible environmental risks, reducing the outages due to tree contacts, updating the system to the most current standard, and provide opportunity for the design group to right size a solution to meet current and future needs of the area. This option will minimize the piecemeal and ad-hoc equipment replacements during outages under reactive maintenance work. This total cost of this option is estimated at $3.2 MM.

Option 3: Replace the existing overhead system with an underground distribution system

Alectra examined the option of replacing the overhead system with underground feeders. The benefit of undergrounding an overhead system includes protection from elements such as weather related events, animal contacts and collisions from vehicles. However, the option to underground the distribution system was estimated to cost between $12-18MM and was determined to be uneconomical, relative to renewing the overhead system.

Option 4: Address only the problematic conditions in the overhead system

This option includes the replacement of only poor-condition poles and leaking transformers and tree trimming. Minimal and ad-hoc replacement of only imminent hazards introduces increased number of trips, higher per unit replacement costs, increased number of scheduled outages and interruptions necessary to complete the work and higher probability that emergency repairs will be required at higher costs. Multiple and repeat visits including crew mobilization and set up costs have been determined to increase the costs of renewal initiatives. In addition, like-for-like ad-hoc replacement prohibit the configuration of the distribution system in the area to be upgrade to present day standards. This option has lower near term costs but maintenance, inspection and long term replacement costs will be higher in the long run. The estimated cost of the overhead renewal in Rometown is $1.85MM.

The recommended solution is Option 2 – Rebuild the entire overhead system. This resolves the problematic issues and aligns with customers preferred solution.

Initially, this was not the recommended option. Alectra Utilities believed that Option 4, while not preferable from an engineering standpoint, would most closely align with customer preferences. However, actual customer engagement results proved otherwise. In the May 2018 Customer Engagement, Alectra customers in the Enersource Rate Zone indicated a preference for the Overhead Rometown Rebuild Project. The customer engagement results indicate that all Alectra customer groups in the Enersource Rate Zone preferred to at least replace the 78 most pressing poles now, and a large portion would like to replace all the poles now, or replace the above ground system with an underground one. To ensure that customer preferences have been incorporated in the renewal plans, Alectra has revised the recommended solution with the intent to proceed with Option 2 - full replacement of the overhead system in the Rometown area.

Financial Impact

Total budget for the 2019 project scope is $3.2MM.

Table 3 – Project Budget for Rometown Overhead Rebuild

Expenditure	Capital Expenditure ($000)
Material	1,100
Labour + Trucking	2,100
Total	**$3,200**

Project Name
Replacement of Leaking Transformers

Project Duration
2019

Expected in-service date
12/31/2019

Category
System Renewal

Summary

Capital investment is required in 2019 to complete a multi-year project to replace a backlog of transformers that were found to be leaking or contain Polychlorinated Biphenyl ("PCB") oil. This project is a continuation of a project approved by the OEB for funding in its decision on Alectra Utilities' 2018 Electricity Distribution Rate Application and Incremental Capital Module ("ICM") Application (EB-2017-0024).

To maintain a high level of environmental stewardship and to ensure compliance with regulatory and environmental regulations, Alectra is required to urgently address situations where oil filled transformers have been found to be leaking or containing PCB oil. To avoid expensive and hazardous environmental contamination and the need for subsequent remediation, Alectra has implemented a coordinated, paced and predictive replacement of a backlog of known transformers sites. The 2019 investment of $7.5MM will conclude the multi-year project and eliminate the backlog of transformers that need replacing. From 2020 onwards, leaking transformers will be addressed through the annual transformer replacement program.

Background

In recent years, Alectra has increased the frequency and level of detail captured in its annual distribution system inspections to better assess the condition of its in-service distribution assets. These inspections capture important information regarding the continued safe operation of assets and to identify substandard conditions requiring follow up. These inspections are carried out on a three year cycle such that the entire distribution system is inspected once every three years in alignment with the Minimum Inspection Requirements of the Distribution System Code ("DSC").

Alectra currently owns and operates approximately 25,300 distribution transformers in the Enersource RZ which are installed in various public locations including rights-of-way, in rear lots of private properties, on commercial lands near high traffic areas, as well as in designated indoor customer owned vaults. From 2013 to 2016, the fleet of distribution transformers was inspected and a large number showed signs of leaking oil. Additionally, some transformers were found to contain PCB oil.

Electrical utilities in Ontario are governed by environmental legislation including the *Environmental Protection Act RSO 1990 – Ontario (Regulation 675/98)* and the *Canadian Environmental Protection Act - PCB Regulations (SOR/2008-273)* in regards to managing oil spills occurring from any in-service oil filled asset. Under the *Environmental Protection Act – Ontario (Regulation 675/98*), Alectra is required to report all spills of 100 litres or more of oil into the environment. In those instances, according to the regulation, Alectra is required to make immediate arrangements for remediation of the site where the transformer oil leak occurred. Under the *Canadian Environmental Protection Act - PCB Regulations (SOR/2008-273)* and as mandated by the Government of Canada, Alectra is required to report any spills involving more than one gram of PCB contaminating the environment. Under this scenario, Alectra is required to carry out full environmental remediation of the site where the transformer oil leak occurred.

From 2013 to 2017, Alectra replaced 2,680 transformers in the Enersource RZ that were identified to be leaking oil or containing PCBs. At 103 transformer locations where oil spills occurred, environmental remediation was required and completed immediately as per the environmental regulations. Over the four year period from 2013 to 2016, Alectra spent approximately $5.6MM for environmental remediation due to transformers leaking oil in the Enersource RZ. Figure 1 illustrates an environmental remediation due to oil contamination from a transformer. Alectra is committed to environmental stewardship, to meeting its environmental compliance requirements, and is highly cognizant of the impact of oil spills have on the environment, on its customers and on the public. Table 1 identifies the transformers replaced between 2013 to 2017.

Figure 1 – Environmental Remediation due to Oil Contamination

Table 1 – List of Transformers Replaced from 2013 to 2017

Transformer Type	2013	2014	2015	2016	2017
KIOSK	2	4	5	2	0
PADMOUNT	92	179	372	274	369
PADMOUNT-3PH	5	2	18	12	33
POLEMOUNT	29	57	237	275	88
VAULT	29	143	103	212	138
Total	**157**	**385**	**735**	**775**	**628**
Grand Total 2013-2017					**2,680**

<u>Options Considered</u>

As of January 1, 2018, there are 1,221 remaining transformers identified with signs of leaking and/or to be containing PCB oil. Alectra has determined that transformer oil spills pose a significant environmental risk to the public which has driven the investment need to replace transformers currently leaking, or that indicate that they could possibly leak oil into the environment. In order to address this investment need, Alectra has developed a multi-year project to replace the remaining backlog of identified leaking and transformers containing PCB oil. Table 2 identifies that backlog of remaining transformers to be addressed as of January 1, 2018.

Table 2 – List of Remaining Transformers to Replace (As of Jan 1, 2018)

Transformer Type	PCB Transformers Indicating Leaking Oil	Non-Leaking Transformers with PCB Oil	Transformers (Non-PCB) Indicating Signs of Leaking	Total
Single-Phase Pad Mount	6	45	410	**461**
Three-Phase Pad Mount	1	2	44	**47**
Vault Transformers	0	31	202	**233**
Pole Mount Transformers	0	7	473	**480**
Total	**7**	**85**	**1,129**	**1,221**

Alectra has developed a multi-year project to address the remaining 1,221 transformers that have been identified as leaking or containing PCB oil to minimize the potential safety, environmental, financial and regulatory risks. Failure to replace these transformers in a timely manner will pose a considerable risk to the environment, to the public and to Alectra should the identified transformers require environmental remediation.

Due to the minimal impact on system performance upon failure, Alectra's asset lifecycle management approach for distribution transformers is to run the asset to failure prior to being replaced. However, the implication of leaking oil introduces an unacceptable environmental risk and has driven the need for Alectra to remove these problematic transformers from service without delay.

Alectra has determined that over time and without remediation, these transformers will continue to deteriorate, causing transformers classified as having minor leaks to become assets classified as having moderate or major leaks. The multi-year transformer replacement project to address the backlog of transformers identified as leaking as well as transformers containing PCB oil is prioritized and paced to address the issue before extensive and disruptive environmental remediation is required.

Option 1: Continue to operate leaking transformers until failure.

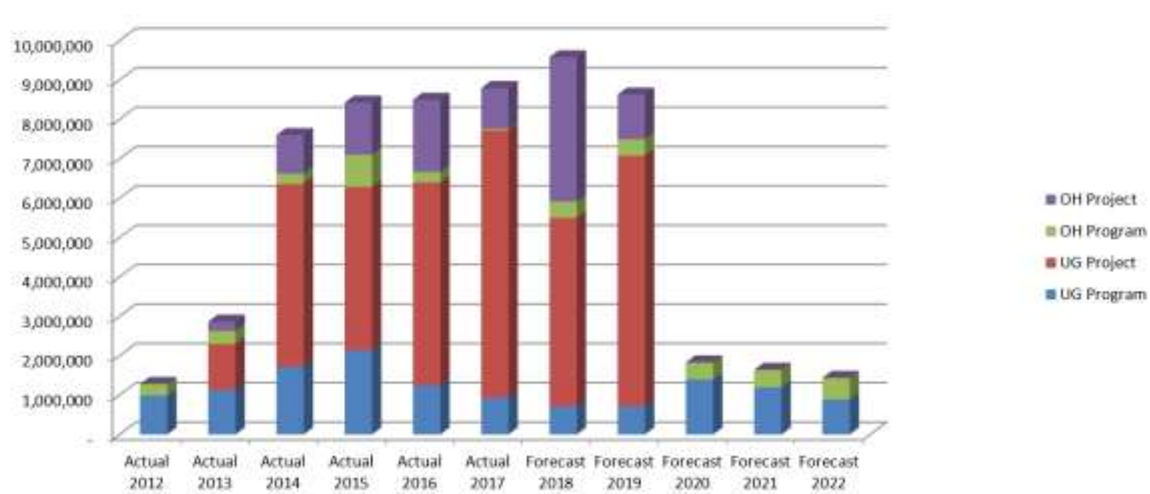
Under this option, Alectra will continue to operate the transformers identified as leaking oil to failure and only address the oil contamination in the environment upon asset replacement. As the majority of the identified transformers contain more than 100 litres of oil, it is highly probable that environmental regulations will trigger extensive environmental remediation.

Option 2: **Address the remaining backlog transformers identified as indicating signs of leaking or containing PCB Oil.**

In order to mitigate the environmental risks and the related extensive environmental remediation, this option implements a multi-year project to replace the identified transformers in order to maintain compliance with all environmental regulations. Under this option, Alectra will identify opportunities to address the transformers requiring replacement during the course of planning underground or overhead system renewal projects. By doing this, Alectra expects to minimize the number of visits and outages required to complete the project. This option is a continuation of the approach approved by the OEB for funding in its decision on Alectra Utilities' 2018 Electricity Distribution Rate Application and Incremental Capital Module ("ICM") Application.

Alectra plans to complete the replacement of problematic transformers in 2019 based on a prioritized and paced manner to address the backlog. It is imperative that transformers that have been identified as leaking are replaced before significant environmental damage occurs. Any environmental damage would, trigger expensive remediation costs, and cause significant disruption to customers and the general public. This project to address the backlog of transformers needing replacement is proposed in addition to the existing transformer replacement program which addresses the replacement of rusting or damaged transformers. Figure 2 illustrates the transformer replacement project capital expenditure relative to the transformer replacement program from 2012 to 2022.

Figure 2 – Transformer Replacement Project and Program CAPEX 2012-2022



The transformer replacement project has paced the annual investment with an annual expenditure of $8.4MM in 2018 and $7.5MM in 2019. The multi-year replacement project is scheduled to be completed in 2019.

The transformer replacement program required to address damaged, rusting and failed transformers has been updated to reflect the conclusion of the leaking transformer replacement project in 2019 with an annual expenditure of $1.8MM in 2020, $1.6MM in 2021 and $1.4MM in 2022.

Financial Impact

Total budget for the 2019 project scope is $7.50MM. All the 2019 project scope will be implemented and placed in service in 2019. Table 3 below outlines the breakdown of the 2019 project budget.

Table 3 – Project Budget for 2019 Replacement of Leaking Transformer Backlog

Expenditure	Capital Expenditure ($000)
Material	4,550
Labour + Trucking	2,950
Total	**7,500**

ATTACHMENT 47
ICM REVENUE REQUIREMENT BY PROJECT
ENERSOURCE RZ

Alectra Utilities - Enersource Rate Zone
2019 ICM Revenue Requirement by Project

Project Description	Return on Rate base	Amortization	Incremental Grossed Up PILs	Total Revenue Requirement
Leaking Transformer Replacement Project	$475,007	$198,490	($50,676)	$622,821
Rometown	$202,833	$82,181	($22,489)	$262,524
System Renewal				**$885,346**
Total Incremental Revenue Requirement	**$677,839.87**	**$280,671.00**	**($73,165.09)**	**$885,346**

ATTACHMENT 48
2019 CAPITAL EXPENDITURE BY PROJECT
ENERSOURCE RZ

SYSTEM ACCESS	$000s
New Connections - Industrial/Commercial	1,258
Smart Meter in New Condo - New IMS	1,070
New Connections - Residential	1,000
Roads	2,400
LRT	5,800
Sub-Total Material Projects	**11,527**
Miscellaneous Projects (under materiality threshold)	2,227
Total System Access	**13,754**
SYSTEM RENEWAL	
Subdivision Rebuild - Baldwin Rd/ ROW	1,486
Subdivision Rebuild - Golden Orchard/ Grassfire	1,486
Subdivision Rebuild - Cedarglen Gate - Section 1	1,885
Subdivision Rebuild - Main Feeder renewal at Folkway Dr.	1,885
Subdivision Rebuild - Traders - Section 3	1,885
Subdivision Rebuild - Ellengale - Section 5	1,885
Subdivision Rebuild - Malton - Section 4	2,229
Subdivision Rebuild - Tamar & Copenhagen	1,486
Subdivision Rebuild - Clarkson - Section 4	1,981
Overhead System Replacement - Rometown	3,200
Program - Overhead Equipment Replacement	1,483
Program - Pole Replacement	1,186
OH Rebuild - The Credit Woodlands	2,314
Substation-Dixie - Londonderry to CN Tracks	1,204
Substation-Shawson - Dixie to Luke	1,053
PCB & Leaking Transformer Replacement Project	7,501
Pad Mounted Switchgear Replacement	1,622
Underground Cable and Splice Replacement	2,296
Sub-Total Material Projects	**38,067**
Miscellaneous Projects (under materiality threshold)	2,881
Total System Renewal	**40,948**
SYSTEM SERVICE	
Substation-Webb MS	2,069
Substation-Rockwood MS - Equipment	2,483
Substation-Rockwood MS - Civil Construction	1,035
Subtransmission-Webb MS - Feeder Egress - Section 1	1,249
Subtransmission-Centreview - Mavis to Duke	1,249
Sub-Total Material Projects	**8,085**
Miscellaneous Projects (under materiality threshold)	5,322
Total System Service	**13,407**

2019 Capital Project Listing – Enersource Rate Zone

GENERAL PLANT	
Enersource Rate Zone Allocation of General Plant	6,206
Total General Plant	**6,206**
	0
2019 Budget	**74,315**

2019 Budget Capital Project Listing - General Plant Alectra

GENERAL PLANT - ALECTRA UTILITIES	
Bucket Trucks & RBDs	1,540
CIS Modifications (Regulatory Enhancements)	1,519
Smart Grid - Other	1,337
Tools, Shop and Garage Equipment	1,185
Sub-Total Material Projects	**5,582**
Miscellaneous Projects (under materiality threshold)	16,529
Total General Plant	**22,111**

ATTACHMENT 49
INNOVATIVE CUSTOMER ENGAGEMENT REPORT
ENERSOURCE RZ

Customer Engagement

2019 ICM Rate Application

Incremental Capital Module (ICM)

May 29, 2018

Prepared for:

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Customer Engagement Report

May 29, 2018

Confidentiality

This Report and all of the information and data contained within it may not be released, shared or otherwise disclosed to any other party, without the prior, written consent of Alectra Utilities Corporation ("Alectra Utilities").

Acknowledgement

This report has been prepared by Innovative Research Group Inc. ("INNOVATIVE") for Alectra Utilities. The conclusions drawn, and opinions expressed are those of the authors.

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Executive Summary

Alectra Utilities Corporation (Alectra Utilities) has engaged Innovative Research Group Inc. (INNOVATIVE) to assist in meeting Alectra Utilities' customer engagement commitments under the Renewed Regulatory Framework for Electricity Distributors.

Alectra Utilities has capital investment requirements for the **Enersource** and **PowerStream** rate zones for 2019 that are not funded through existing distribution rates. To meet the capital investment needs in each of these rate zones, Alectra Utilities plans to submit an Incremental Capital Module (ICM) application to the Ontario Energy Board (OEB). The outcome of this application will determine Alectra Utilities' electricity distribution rates in each rate zone for 2019 and will help set the pace for capital investments.

Alectra Utilities engages customers in a wide variety of ongoing customer service and market research activities that help inform its customer service efforts. INNOVATIVE has been tasked with supplementing these efforts with activities focused on bringing customers' needs and preferences regarding outcomes and trade-offs into Alectra's planning process.

In approaching the design of this round of engagement, INNOVATIVE and Alectra Utilities considered the comprehensive nature of the utility's previous 2017 customer engagement. That effort included a voluntary online workbook, completed by 17,595 customers, and randomly recruited focus groups, leading up to random digit dialing customer telephone surveys. While the earlier engagement provided a strong base of knowledge about customers general views on ICM projects, the specific nature of projects being considered required a new engagement.

Alectra also needed to collect customer feedback to provide input to the start of Alectra Utilities' first consolidated Distribution Service Plan for the period covering 2020 to 2024.

INNOVATIVE's view is the two tasks work well within a single engagement as the DSP components help customers to ground their views on the ICM within the broader context of Alectra's services and rates while minimizing the demands Alectra Utilities is placing on customers.

Key Findings

Customer Needs

The clear majority of Alectra Utilities' customers in the PowerStream and Enersource rate zones are satisfied with the current service they receive. When asked how Alectra Utilities can improve service, top responses were either "nothing" or "lower rates".

Enersource RZ Core Measures	Residential		Small Business		Mid-Market		Large Use	
	May 2017	May 2018	May 2017	May 2018	May 2017	May 2018	May 2017	May 2018
Overall Satisfaction	79%	**86%**	82%	**83%**	78%	**88%**	6/7	**7/9**
Awareness of Merger	41%	**61%**	60%	**67%**	58%	**65%**	5/7	**9/9**
Familiarity with Enersource	84%	**85%**	84%	**82%**	88%	**88%**	7/7	**9/9**

PowerStream RZ Core Measures	Residential		Small Business		Mid-Market		Large Use	
	May 2017	May 2018	May 2017	May 2018	May 2017	May 2018	May 2017	May 2018
Overall Satisfaction	79%	**83%**	73%	**83%**	77%	**80%**	N/A	**11 of 13**
Awareness of Merger	52%	**69%**	48%	**73%**	55%	**69%**	N/A	**13 of 13**
Familiarity with PowerStream	85%	**82%**	83%	**80%**	89%	**88%**	N/A	**13 of 13**

Customer Priorities

The top two priorities for Alectra Utilities as identified by the three smaller customer classes in both the Enersource and PowerStream rate zones are:

1. Delivering reasonable distribution rates; and
2. Ensuring reliable electrical service;

These are also the top two priorities for large use customers, but in both the Enersource and PowerStream rate zones, these customers rank reliability over price.

Residential and GS<50kW customers in both rate zones rank minimizing the impact on the environment as their third priority. GS>50kW customers in both rate zones and PowerStream's large use customers place helping customers to reduce or manage consumption as their third priority. Enersource large use customers are focused on safety as their third priority.

Enersource RZ Priorities	Residential		Small Business		Mid-Market		Large Use	
	May 2017	May 2018	May 2017	May 2018	May 2017	May 2018	May 2017	May 2018
1st	Prices	**Prices**	Prices	**Prices**	Prices	**Prices**	Reliability	**Reliability**
2nd	Reliability	**Reliability**	Reliability	**Reliability**	Reliability	**Reliability**	Behind the meter solutions	**Prices**
3rd	Reduce/ Manage consumption	**Minimizing impact on the environment**	Reduce/ Manage consumption	**Minimizing impact on the environment**	Reduce/ Manage consumption	**Reduce/ Manage consumption**	Extreme weather mitigation	**Safety***

* **Option not offered in 2017**: "Ensuring the safety of electricity infrastructure"

PowerStream RZ Priorities	Residential		Small Business		Mid-Market		Large Use	
	May 2017	May 2018	May 2017	May 2018	May 2017	May 2018	May 2017	May 2018
1st	Prices	**Prices**	Prices	**Prices**	Prices	**Prices**	N/A	**Reliability**
2nd	Reliability	**Reliability**	Reliability	**Reliability**	Reliability	**Reliability**	N/A	**Price**
3rd	Reduce/ Manage consumption	**Minimizing impact on the environment**	Extreme weather mitigation	**Minimizing impact on the environment**	Extreme weather mitigation	**Reduce/ Manage consumption**	N/A	**Reduce/ Manage consumption**

Reliability Priorities

The top reliability concern for customers is the *overall number of outages*. All six business groups ranked this number one and the two residential groups had it as second.

The second concern is the *length of outages during extreme events*. This was the top concern for the residential customers in both rate zones, second for 3-of-4 general service customer groups and third for the remaining Enersource small business group.

The third concern was the *overall length of day-to-day outages* with the two groups of larger Enersource customers (mid-market and large use) choosing it as their second priority and five of the remaining six groups choosing it as third.

Enersource RZ Reliability Priorities	Residential	Small Business	Mid-Market	Large Use
1st	Extreme weather restoration times	Overall number of outages	Overall number of outages	Overall number of outages
2nd	Overall number of outages	Extreme weather restoration times	The overall length of outages	The overall length of outages
3rd	The overall length of outages	The overall length of outages	Extreme weather restoration times	Improving power quality

PowerStream RZ Reliability Priorities	Residential	Small Business	Mid-Market	Large Use
1st	Extreme weather restoration times	Overall number of outages	Overall number of outages	Overall number of outages
2nd	Overall number of outages	Extreme weather restoration times	Extreme weather restoration times	Improving power quality
3rd	The overall length of outages	The overall length of outages	Improving power quality	The overall length of outages

Distribution System Plan (DSP) Trade Offs

Consistent with last year's Enersource survey, a majority of customers in all eight customer groups believe Alectra Utilities should invest in renewal now, rather than defer to the future.

There are clear majorities in the two residential and four GS groups that support investing in general plant now, rather than finding ways to make do with existing equipment and tools. Large Use customers in both rate zones are more evenly divided on this question.

Enersource RZ	Residential	Small Business	Mid-Market	Large Use
Investments in Aging Infrastructure				
Invest What it Takes *Enersource should invest what it takes to replace the system's aging infrastructure to maintain system reliability; even if that increases my monthly electricity bill by a few dollars over the next few years.*	**61%**	**60%**	**74%**	**7/9**
Defer Investments *Enersource should defer its estimated investment in replacing aging infrastructure to lessen the impact of any bill increase; even if this could eventually lead to more or longer power outages.*	30%	29%	22%	1/9
General Plant Investments				
Make Necessary Investments *Enersource should make the investments necessary to ensure its staff have the equipment and IT systems they need to manage the system efficiently and reliably.*	**69%**	**55%**	**64%**	**4/9**
Find Ways to Make Do *Enersource should find ways to make do with the facilities, equipment, vehicles and IT systems it already has.*	27%	37%	33%	3/9

PowerStream RZ	Residential	Small Business	Mid-Market	Large Use
Investments in Aging Infrastructure				
Invest What it Takes *PowerStream should invest what it takes to replace the system's aging infrastructure to maintain system reliability; even if that increases my monthly electricity bill by a few dollars over the next few years.*	**50%**	**62%**	**66%**	**6/13**
Defer Investments *PowerStream should defer its estimated investment in replacing aging infrastructure to lessen the impact of any bill increase; even if this could eventually lead to more or longer power outages.*	37%	27%	27%	2/13
General Plant Investments				
Make Necessary Investments *PowerStream should make the investments necessary to ensure its staff have the equipment and IT systems they need to manage the system efficiently and reliably.*	**63%**	**59%**	**61%**	**4/13**
Find Ways to Make Do *PowerStream should find ways to make do with the facilities, equipment, vehicles and IT systems it already has.*	31%	38%	32%	5/13

There are also clear majorities among all eight for investments in system service. Support for these investments is strongest among the large use customers.

Finally, we find not all investments are equally welcome. Every customer group agrees that modernization can generally wait for the normal renewal process. This is consistent with the earlier finding that customers are generally happy with the service they receive today. There is no immediate pressure to improve customer experience outside of basic reliability if it means paying more.

Enersource RZ	Residential	Small Business	Mid-Market	Large Use
System Service Investments				
Proactively Invest in System Capacity *Enersource should proactively invest in system capacity infrastructure to ensure customers in high growth areas do not experience a decrease in reliability, even if this adds a small increase to customer bills.*	**58%**	**57%**	**73%**	**8/9**
Delay Investments in System Capacity *To help keep rate increases down, Enersource should delay investments in system capacity needs until customers start to experience a decline in reliability.*	33%	31%	23%	0/9
Investments in Modernizing the Distribution System				
Invest in Modernization Now *Enersource should invest in the benefits of modernization now, even if that means customers will have to pay bit more on their distribution rates in the near future.*	**34%**	**34%**	**41%**	**3/9**
Modernize as Part of Normal System Renewal *Enersource should keep rate increases down by modernizing as part of the normal replacement of aging equipment, even though that means delaying the benefits of modernization.*	60%	58%	56%	5/9

PowerStream RZ	Residential	Small Business	Mid-Market	Large Use
System Service Investments				
Proactively Invest in System Capacity *PowerStream should proactively invest in system capacity infrastructure to ensure customers in high growth areas do not experience a decrease in reliability, even if this adds a small increase to customer bills.*	**57%**	**56%**	**64%**	**6/13**
Delay Investments in System Capacity *To help keep rate increases down, PowerStream should delay investments in system capacity needs until customers start to experience a decline in reliability.*	34%	32%	29%	3/13
Investments in Modernizing the Distribution System				
Invest in Modernization Now *PowerStream should invest in the benefits of modernization now, even if that means customers will have to pay bit more on their distribution rates in the near future.*	**31%**	**37%**	**32%**	**4/13**
Modernize as Part of Normal System Renewal *PowerStream should keep rate increases down by modernizing as part of the normal replacement of aging equipment, even though that means delaying the benefits of modernization.*	63%	57%	64%	5/13

Enersource ICM Projects

Enersource rate zone customer groups are divided on leaky transformers. Majorities in the residential and GS<50kW respondent groups prefer to pay more to replace the leaky transformers now. GS>50kW customers and Large Use customers prefer to stick with replacement within the current renewal plan.

Enersource RZ	Residential	Small Business	Mid-Market	Large Use
	n=501	n=202	n=200	n=9
Leaky Transformers				
Replace Leaking Transformers *I am willing to have my bill increased by about [Res: $0.12; SB: $0.39; MM: $6.21] a month so Enersource can make an extra effort to clean up the backlog of leaky transformers.*	**58%**	**52%**	**40%**	**3 of 9**
Existing Renewal Plan *Enersource should replace leaky transformers as part of its existing renewal plan, even the backlog, even if that means it will take several years before they are all replaced.*	38%	42%	58%	6 of 9
Don't know	3%	6%	3%	--

All Enersource customer groups prefer to at least replace the 78 most pressing poles now and large proportions would like to replace all the poles now or replace the existing above ground system with an underground one, even though the cost of these options is much higher.

Enersource RZ	Residential	Small Business	Mid-Market	Large Use
	n=501	n=202	n=200	n=9
Rometown Overhead				
Replace Reactively *Enersource should continue to operate the Rometown overhead system, and replace equipment reactively as it fails*	19%	29%	23%	2 of 9
Partial Replacement *Enersource should proceed now to replace 78 of the 198 poles in the most pressing need resulting in a monthly increase of [Res: $0.03 ; SB: $0.09 ; MM: $1.51] for the average customer*	17%	19%	26%	2 of 9
Full Replacement *Enersource should proceed now to replace all 198 poles at a cost of 3.2 million dollars, resulting in a monthly increase of [Res: $0.05 ; SB: $0.16 ; MM: $2.62] for the average customer*	28%	18%	28%	3 of 9
Replace with Underground System *Enersource should proceed now to replace the Rometown overhead system with an underground system at a cost of between $12 and 18 million dollars, resulting in a monthly increase of between [Res: $0.19-$0.28 ; SB: $0.61-$0.92 ; MM: $9.81-$14.72] for the average customer*	38%	26%	20%	1 of 9
Don't know	8%	8%	4%	1 of 9

PowerStream ICM Projects

As mentioned earlier, only one of the ICM project had alternatives that delivered different outcomes for customers. For the *Bathurst Road widening*, we found all three of the business groups preferred staying with the current mix of overhead and underground wires rather than replacing with an entirely underground system. However, residential customers are divided with 46% preferring the current mix to 45% preferring the all underground system option at a higher rate impact.

PowerStream RZ	Residential	Small Business	Mid-Market	Large Use
	n=505	n=205	n=200	n=13
Bathurst Road Widening				
Move Current Mix *Move the current mix of overhead and underground wires and equipment at a cost of $5.5 million dollars, resulting in a monthly increase of [Res: $0.06; SB: $0.11; MM: $2.64] for the average customer.*	**46%**	**48%**	**62%**	**6 of 13**
Replace with Underground System *Replace the overhead system with an underground system at a cost of between $25 and $35 million dollars, resulting in a monthly increase of between [Res: $0.25-$0.35 ; SB: $0.51-$0.72 ; MM: $11.98-$16.78] for the average customer*	45%	40%	31%	2 of 13
Don't know	8%	12%	8%	5 of 13

ICM Bill Impacts

In all eight of the PowerStream and Enersource customer groups, majorities say the proposed rate increase for 2019 is reasonable rather than unreasonable.

Enersource RZ	Residential	Small Business	Mid-Market	Large Use
	n=501	n=202	n=200	n=9
Opinion of Proposed Plan				
The proposed rate increase is reasonable *Res: $0.15 | SB: $0.48 | MM: $7.72*	**72%**	**60%**	**56%**	**7 of 9**
The proposed rate increase is unreasonable	25%	33%	42%	--
Don't know	3%	6%	2%	2 of 9

PowerStream RZ	Residential	Small Business	Mid-Market	Large Use
	n=505	n=205	n=200	n=13
Opinion of Proposed Plan				
The proposed rate increase is reasonable *Res: $0.21 | SB: $0.43 | MM: $10.03*	**63%**	**66%**	**59%**	**8 of 13**
The proposed rate increase is unreasonable	33%	23%	34%	2 of 13
Don't know	4%	8%	6%	3 of 13

Conclusion

The customer engagement INNOVATIVE has conducted for Alectra Utilities in respect of its 2019 ICM application has built upon work done in 2018. The learnings from Alectra Utilities' 2018 ICM application provided a firm foundation for the design of this engagement, allowing Alectra to save the large scale voluntary engagement for customer feedback on the second stage of the DSP development. Looking across the 2017 and 2018 engagements, there are more consistencies than differences.

Some of the core findings remain the same:

- Customers in these two rate zones are generally satisfied with the service they receive, even to the point where they are reluctant to pay more to receive modernization benefits sooner than normal renewal will provide.
- Among competing priorities, price is generally number one followed by reliability. The exception is large use customers for whom reliability is first, with price second.
- Despite price concerns, customers are willing to consider paying more to maintain a reliable system.
- Again, despite general price concerns, most customers – particularly residential customers – are willing to pay more for specific projects that enhance the system, such as undergrounding specific overhead systems.

We have learned two new things in particular.

1. We now have an initial understanding of the hierarchy of priorities among reliability needs. Future engagements will be able to test these priorities through reactions to specific projects.
2. When in comes to modernization, it appears that most customers are reluctant to increase rates for projects that would raise standards in the system but are beyond the level needed for the normal replacement of aging and failing equipment. This finding could be seen as conflicting with customer feedback on specific projects in other parts of this engagement. As a result, we suggest testing reactions to specific types of modernization projects in the next stage of Alectra Utilities' DSP customer engagement.

There is more consistent support for the ICM projects tested this year compared to last year.

With the exception of larger Enersource business customers (mid-market and large use) on the replacement of *leaky transformers*, customer groups supported the investment levels and pacing proposed by Alectra Utilities, or even higher.

A majority of respondents from all eight customer groups felt the overall proposed 2019 ICM rate increase was reasonable, given the benefits.

About this Consultation

Core Engagement Design Considerations

INNOVATIVE was asked to collect input to inform two sets of planning activities:

1. To provide input at the start of Alectra Utilities' first consolidated Distribution Service Plan for the period covering 2020 to 2024.
2. To provide input into process for assessing the appropriateness of various projects for a 2019 ICM application including customer views on bill impacts.

The DSP feedback is more general in nature. Since DSP planning is only beginning, Alectra Utilities is not yet at the point where it can seek feedback on specific Alectra DSP-related projects (for 2020-2024). It is Alectra Utilities' intention to conduct a second round of engagement as planning proceeds. However, it is possible to collect input on needs, outcomes and general trade-offs at this point in the process to be responsive to direction of the OEB.

The ICM feedback is more project specific. As ICM applications are defined as project specific, the consultation was focused on the specific projects Alectra Utilities was considering for ICM funding**.**

Engagement Overview

Building on learnings from previous customer engagements:

As noted earlier, in approaching the design of this round of engagement, INNOVATIVE and Alectra Utilities considered the comprehensive nature of the utility's previous 2017 customer engagement. That effort included a voluntary online workbook, completed by 17,595 customers, and randomly recruited focus groups, leading up to random digit dialing customer telephone surveys.

The previous engagement found support for ICM projects varied by rate zone, rate class and project type. The diagnostic questions in the workbook and discussion groups found that the basic format for testing projects worked.

While the earlier study provided a strong foundation for moving forward, the specific nature of projects being considered required a new engagement.

In planning the level of engagement for this round of feedback, one concern is how often the utility can sustain the level of engagement secured in the 2017 consultation. The view was that customer participation in these consultation activities would likely decline if repeated too frequently. As noted above, the basic approach used to secure ICM feedback tested well with customers in the qualitative elements and that since the previous ICM engagement occurred just a year ago, it was unlikely views about the engagement tool would have changed significantly. In addition, it was felt that projects in the DSP would likely have more impact on the value delivered to more customers than the incremental projects discussed in the ICM. With those two considerations in mind, the judgment was that the second phase of DSP consultation should receive priority for large scale voluntary engagement.

Another consideration for this phase of the engagement was timing. There were several comments from the OEB and intervenors related to the 2017 customer engagement process. As part of Alectra Utilities' final argument in that proceeding, the utility identified a number of issues where it looked for clarification of the OEB's intentions in its 2018 ICM decision. The feeling was that it would be prudent to avoid spending significant resources on a customer consultation before the Board had the opportunity to provide further direction and clarity. Alectra Utilities' 2018 decision was received on April 5th.

The 2017 customer engagement ensured that Alectra Utilities had a strong general sense of customer needs and preferences. For this reason (and those noted above), it was decided the best vehicle for this phase of Alectra Utilities' ongoing customer engagement was to move directly to telephone and online surveys.

Using a stratified random sample telephone survey ensures the team was able to update those views with a representative sample of Alectra Utilities' customers to capture any emerging needs or shifting priorities and to generate feedback on the specific projects being considered for this application through an engagement tool that allows us to generalise to the broader customer base.

Priority was given to focusing first on rate zones that had potential ICM projects for consideration (i.e. the PowerStream and Enersource rate zones).

Sample Frame

For the purposes of executing the customer surveys, Alectra Utilities provided INNOVATIVE with a confidential list of customers' contact information.

The contact list included only customers with telephone contact information on file and who had been a customer of Alectra Utilities for at least a year. The information contained in the contact list included customer name, telephone number(s), postal code and total annual electricity consumption for the year.

Only one customer per household or business was eligible to complete their respective survey. Respondents were screened to certify that only customers responsible for paying or overseeing their electricity bill were interviewed. This step was taken to ensure that survey respondents represented the most qualified person within a household or business to answer questions about their electricity bill and trade-offs between reliability and particular project investments.

Before retiring any randomly selected telephone numbers from the contact list, 8 attempts were made to reach a potential respondent for each unique telephone number, or until an interviewer received a hard refusal. Each night a new sample was released from the contact list to replace completed or retired numbers.

Sample Design

Quotas were set by electricity consumption levels and geographic considerations from within the Enersource and PowerStream rate zones to obtain a representative customer sample.

The telephone surveys followed a stratified random sampling methodology. This is a method of sampling that involves the division of a population into smaller groups known as strata. In stratified random sampling, the strata are formed based on members' shared attributes or characteristics (in this case: customer class, rate zone, and electricity usage). A random sample from each stratum is taken in a number proportional to the stratum's size when compared to the customer population. These subsets of the strata are then pooled to form a random sample.

Residential and General Service customers were divided into quartiles based on annual electricity usage to ensure the sample had a proportionate mix of customers from low, medium-low, medium-high, and high electricity usage households and businesses.

Screening questions were designed to ensure only customers who received an electricity bill from Alectra Utilities were included. In addition, residential customers needed to have primary or shared responsibility over their household's electricity bill. In the case of businesses and other organisations, only the organisations' decision makers on electricity use were included in the business completes. Business customers could also be household customers of Alectra Utilities but were reminded to respond as their organization's decision-maker as best as possible.

Weights have <u>not</u> been applied to any of the six surveys as the stratified random samples are accurate representations of actual customer distribution by rate.

The very largest customers in these two rate zones (2MW+) were sent an online version of the survey.

Survey Development

The core topics for customer engagement are well defined in the "Handbook for Rate Applications":

- Do customers have any outstanding needs?
- What outcomes do customers want Alectra Utilities to focus on?
- What are the priorities among those outcomes?
- What are customers' preferences on the core trade-offs that must be addressed in the Alectra Utilities' DSP?
- What are customers' preferences on the ICM proposals?

Every customer consultation has two key challenges that need to be overcome to successfully engage customers so that they can provide meaningful answers:

1. Customers begin with limited knowledge of their utility.
2. The average customer is not prepared to give a lot of time to a consultation.

There are important implications from these challenges:

1. To ensure the engagement includes a representative sample, all consultation tools must give low information participants the information they need to provide a meaningful answer to any question.
2. All consultation tools need to limit the time demands they place on participants or else risking bias by losing less engaged customers.

Covering the Basics:

Any survey or workbook must begin with the assumption that respondent knows very little about the utility. In this case, due to the merger, the engagement tools had to start with the name. Question B5 of the telephone surveys established awareness of the name and the introduction in B6 established the language to be used as the survey progressed. While awareness of the merger is up significantly from a year ago, we still find over 40% of residential and 27% of small business customers are not aware of the merger.

It is also important to ensure that customers understand what a distributor does and does not do, as well as what portion of their bill applies to the distributor. All customers must at least have that information at hand before more substantive questions can be addressed. This was addressed with questions B7 and B10 in the telephone survey. Without those questions, INNOVATIVE could not be sure if the comments being collected were focused on Alectra Utilities and its responsibilities, or if they were focused on other elements of the electricity system.

Finally, before moving into the discussion of the ICM projects and their potential rate impacts, questions E19 and E26 established the basics of the rate approval and Price Cap IR process.

DSP Trade-Off Questions:

In terms of more substantive questions, combining the engagement for the initial phase of the DSP with the ICM was both a more efficient use of customer time and ensured that responses to the ICM questions were informed responses.

Customers generally do not have pre-existing opinions readily available on the issues of interest to this application. It is well documented that people "construct" opinions as needed. There is substantial literature on how to help people do that fairly and effectively[1].

When members of the public "construct" opinions, they do it based on considerations that are easily accessible in their minds. As a survey moves to asking more detailed questions, it is important that the survey raises the full range of considerations that might underpin an opinion on that question.

The telephone surveys were able to raise the range of key considerations for customer opinions with a few simple questions. B8 and B9 allowed us to collect information about customers' needs. Questions C12, C13, C14 and C15 allowed customers to provide feedback on the goals Alectra Utilities should pursue in their on-going business planning. Both closed and open-ended questions were used here. The list for the closed-ended questions was revised from the earlier engagement to add *safety* as a topic. Other items were condensed using feedback from testing focus groups to keep the list to a manageable size for a phone survey. Open-ended questions were provided as a 'safety-valve' for customers to express specific needs and to identify other priority outcomes. Finally, D16, D17, and D18 were added to provide further insight into what specific elements of reliability are given the highest priority by customers to give direction to planners in the DSP process.

This approach ensured that customers did not move into the more detailed questions until they had considered their own needs and the broad range of goals the utility should pursue.

[1] John Zaller (1992) The Nature and Origins of Mass Opinion and Philip E. Converse (1964) The Nature of Belief Systems in Mass Publics.

The first set of detailed questions focused on trade-offs in the DSP process. Since System Access is non-discretionary, information on this area of capital investment was introduced at the beginning of this section, but no questions were asked. E22 addressed the trade-off between reliability and cost. E23 covered general plant. System Service was the topic of E24. E25 asked for customer general views on system modernization investments.

ICM Questions:

The ICM questions varied according to the specific projects being considered in each rate zone. Where PowerStream has design options that deliver different potential outcomes to customers, customers were asked to provide their preference between those options. Customers were also asked about the total bill impact of these projects.

Enersource RZ respondents were asked about two ICM renewal projects; *leaky transformers* and the *Rometown area overhead system*. In each, respondents were given a short introduction of the issue and asked to choose between the alternative approaches available. In each case, the options tied costs to potential benefits.

PowerStream RZ respondents were asked to consider three ICM projects. The *York Regional Rapid Transit* project is a system access project with no major design choices. The *Barrie TS* project has two options with no differences in customer outcomes, so Alectra Utilities is proposing the least expensive option. Those two projects were described to customers, but no project specific questions were asked. PowerStream RZ respondents were then asked about the design choices for *Bathurst Street road widening project*. Again, the options for this ICM project tied costs to potential benefits.

Changes in Approach

There were several changes in survey design intended to address issues raised from the previous 2017 customer engagement.

1. In the 2017 customer engagement, a concern was raised about using a *question skip* approach in the ICM section, wherein customers had the choice to skip specific project details. In this round of customer engagement, the decision was made to keep the survey short enough to ensure that all respondents were asked about each individual ICM project.
2. In the 2018 ICM rate application decision, the OEB expressed a desire for more project-specific customer feedback. While it is too early in the DSP process to identify specific projects, an effort was made to develop project specific questions in the ICM section where there were alternatives that created meaningful differences in customer outcomes.
3. To provide better insight into vulnerable customers, questions were added to identify LEAP qualified respondents. Segmentation sidebars were added to show how vulnerable customer responses compare to other customers.
4. There has been an effort made to provide more relevant background information for DSP trade-off questions. This includes familiarity with how distribution rates are set in Ontario (E19). E21 shares information about current reliability experienced by the average customer as well as the share of outages due to equipment failure before asking about the renewal trade-off focus question (E22).

Field Schedule

Questionnaire Testing Focus Groups

Based on the qualitative elements of the 2017 engagement, the project team was confident in the general approach to the survey. However, the new projects involved new questions and some other changes were made primarily in response to intervenor and OEB staff comments. To ensure the surveys presented customers with clear and unambiguous information and questions needed for them to provide meaningful feedback on Alectra Utilities' DSP and ICM options, INNOVATIVE conducted questionnaire testing focus groups with randomly recruited customers (i.e., Residential, GS < 50kW and GS>50kW).

10 customer focus groups took place prior to the launch of the telephone and online surveys:

May 8, 2018:

- 2 Focus Groups: residential and GS < 50 kW groups with Enersource RZ customers
- 2 Focus Groups: residential and GS < 50 kW groups with PowerStream RZ customers

May 8, 2018:

- 3 Focus Groups: residential, GS < 50 kW, and GS > 50 kW groups with Enersource RZ customers
- 3 Focus Groups: residential, GS < 50 kW, and GS > 50 kW groups with PowerStream RZ customers

Questionnaires were edited to provide better clarity following the two focus group dates.

Telephone Survey Field Dates

Telephone surveys where in field between May 10 and 29, 2018:

Telephone survey field dates and sample sizes for the Enersource rate zone:

- ***Residential*** *survey field date: May 10-20 | n=501; margin of error ±4.4%, 19 times out of 20*
- ***GS < 50 kW*** *survey field date: May 11-29 | n=202; margin of error ±6.8%, 19 times out of 20*
- ***GS > 50 kW*** *survey field date: May 15-28 | n=200; margin of error ±6.7%, 19 times out of 20*

Telephone survey field dates and sample sizes for the PowerStream rate zone:

- ***Residential*** *survey field date: May 10-22 | n=505; margin of error ±4.3%, 19 times out of 20*
- ***GS < 50 kW*** *survey field date: May 11-24 | n=205; margin of error ±6.8%, 19 times out of 20*
- ***GS > 50 kW*** *survey field date: May 11-28 | n=200; margin of error ±6.6%, 19 times out of 20*

Alectra Utilities' Residential customers were contacted by telephone between 4pm and 9pm on weekdays; between 11am and 9pm on Saturdays; and between 12pm and 9pm on Sundays. General Service customers were contacted weekdays between 9am and 5pm. INNOVATIVE conducted all interviews through its computer assisted telephone interviewing (CATI) system.

Online Survey Field Dates

An online survey was designed for individual Large Use customers (2MW+) in both of Alectra Utilities' Enersource and PowerStream rate zones.

Alectra Utilities provided INNOVATIVE with an email contact list consisting of the prime contact for each of its Large Use customers in the Enersource and PowerStream rate zones. INNOVATIVE provided each customer contact with a unique URL via an email invitation so that only customers identified by Alectra Utilities were able to complete the survey and only once.

Customers were sent three reminder emails to encourage survey participation. In addition, Alectra Utilities' staff followed up with customers by telephone to encourage survey participation.

The analysis of this survey is based on 9 of 36 eligible responses (25% completion rate) from Large Use customers in the Enersource rate zone and 13 of 47 responses (28% completion rate) from Large Use customers in the PowerStream rate zone.

Individual Large Use customer responses were anonymous and no identifiable respondent information was shared with Alectra Utilities. Responses were combined within the Enersource and PowerStream rate zones to protect the confidentiality of individual Large Use customers.

The Large Use customer online survey was in field between May 17 and 29, 2018.

Field Schedule Overview Table:

	Methodology	Field Dates	Targeted Sample Size	Actual Sample Size
Enersource RZ Residential	Telephone	May 10-20, 2018	n=500	n=501
Enersource Small Business (GS < 50 kW)	Telephone	May 11-29, 2018	n=200	n=202
Enersource Mid-Market (GS > 50 kW)	Telephone	May 15-28, 2018	n=200	n=200
Enersource Key Accounts	Online	May 17-29, 2018	N/A	9 of 36
PowerStream Residential	Telephone	May 10-22, 2018	n=500	n=505
PowerStream Small Business (GS < 50 kW)	Telephone	May 11-24, 2018	n=200	n=205
PowerStream Mid-Market (GS > 50 kW)	Telephone	May 11-28, 2018	n=200	n=200
PowerStream Key Accounts	Online	May 17-29, 2018	N/A	13 of 47

Environmental Controls

It is important to be able to identify factors that may influence customer preferences and distinguish between what is within, and what is outside a LDCs influence or control.

Perceptions of LDCs often tend to move with **general perceptions of the sector** rather than in response to the local utility. We currently see this in Ontario with respect to public attitudes towards the electricity sector and frustration with existing electricity rates.

In addition, perceptions of utilities are also strongly correlated with **financial circumstances**. In tough times perception and preference can change because customers are struggling with bills, not because of anything the LDC has, or has not, done.

Control questions help distributors distinguish between utility driven preferences and externally driven preferences. INNOVATIVE uses two questions to help capture external phenomena:

1) **Financial Hardship:** The cost of my electricity bill has a major impact on my finances / the bottom line of my organization and requires I do without some other important priorities/ results in some important spending priorities and investments being put off.

2) **General Feelings Towards the Sector**: Customers are well served by the electricity system in Ontario.

In addition, INNOVATIVE added a new question to enable additional analysis.

3) **Vulnerable Consumers**: In response to OEB and intervenor comments on previous Alectra Utilities (and its legacy LDC) rate applications, questions have been added to identify customers who are eligible for the LEAP program to help assess whether vulnerable consumer have unique needs or preferences.

Segmentation “side bars” have been provided for *Financial Hardship* and *General Feelings Towards the Sector* as appropriate in the detailed reports.

Appendix 1.0

INNOVATIVE
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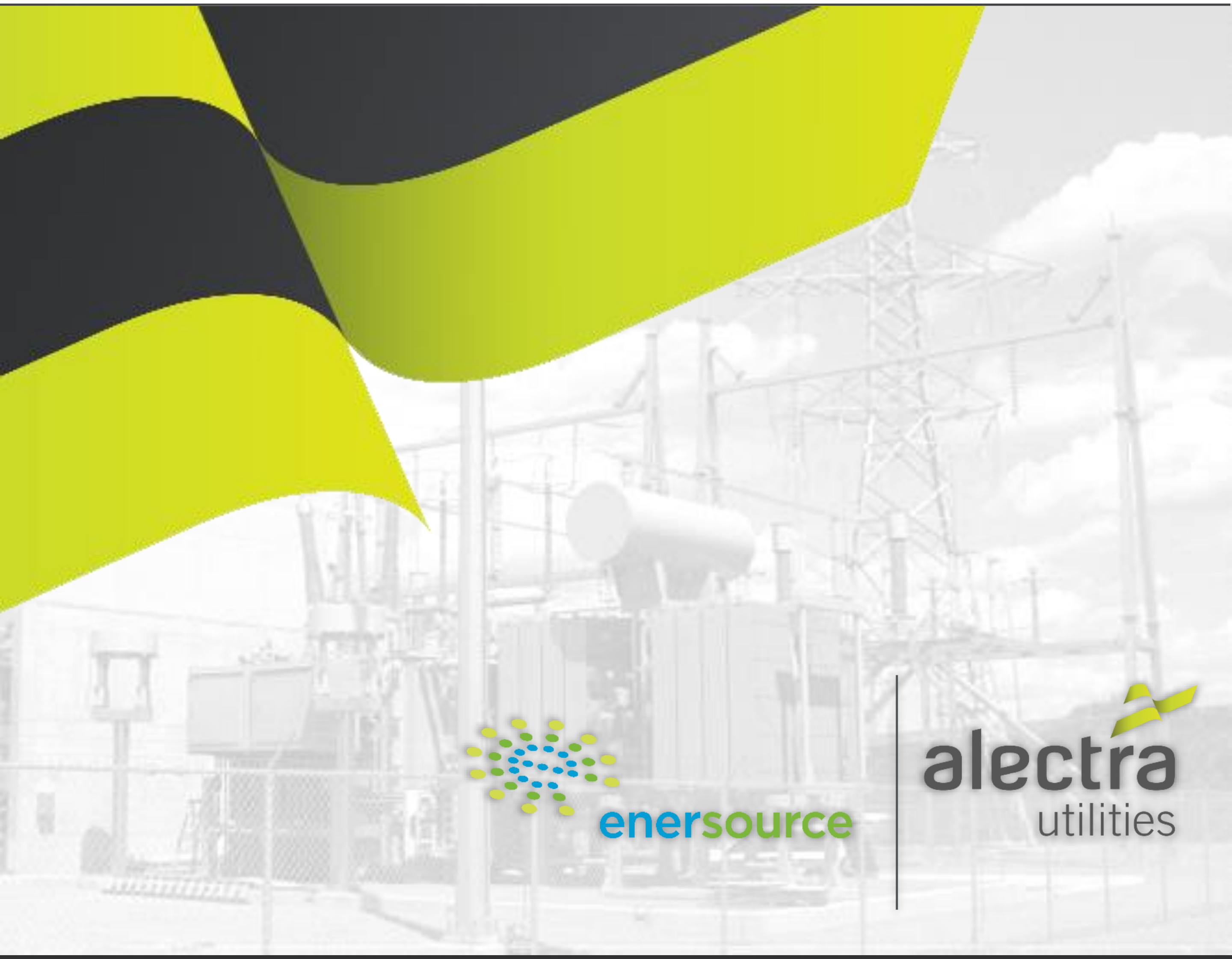
Enersource Rate Zone
2019 ICM Application Consultation



MAY 2018

STRICTLY PRIVILEGED AND CONFIDENTIAL

Survey Methodologies

Field and Design

For the quantitative portion of the customer consultation, Alectra Utilities invited Enersource heritage customers from three rate classes to participate in a 10-15 minute telephone survey.

- The **residential** survey fielded from **May 10-20, 2018** amongst **n=501** residential customers, with a margin of error of ±4.4%, 19 times out of 20.
- The **small business** survey fielded from **May 11-29, 2018** amongst **n=202** small business customers, with a margin of error of ±6.8%, 19 times out of 20.
- The **mid-market** survey fielded from **May 15-28, 2018** amongst **n=200** mid-market business customers, with a margin of error of ±6.6%, 19 times out of 20.

INNOVATIVE conducted all interviews through its computer assisted telephone interviewing (CATI) system.

This generalizable telephone survey used a stratified random sampling approach based on a known characteristic, in this case, consumption by rate class (residential, GS<50kW and GS>50kW).

Sample lists were provided by Alectra Utilities. Screening questions were designed to ensure only customers who received an electricity bill from Alectra Utilities were included. In addition, residential customers needed to have primary or shared responsibility over their household's electricity bill and only the organizations' decision makers on electricity use were included in the business completes. Business customers could also be household customers of Alectra Utilities, but were reminded to respond as their organization's decision-maker as best as possible.

Note: *Graphs and tables may not always total 100% due to rounding values rather than any error in data. Sums are added before rounding numbers. Caution interpreting results with small n-sizes.*

Consumption Quartiles

The tables below illustrate the strata divisions for each rate class, based on consumption quartiles.

Dividing customer sample into quartiles based on known characteristics was used to develop accurate quotas to ensure the sample was representative of Enersource's customer base.

Residential

Quartile	Target	Actual	Difference
Low consumption	n=125	n=125	0
Medium-low	n=125	n=125	0
Medium-high	n=125	n=126	+1
High consumption	n=125	n=125	0
Total	**n=500**	**n=501**	**+1**

Small Business

Quartile	Target	Actual	Difference
Low consumption	n=50	n=51	+1
Medium-low	n=50	n=53	+3
Medium-high	n=50	n=48	-2
High consumption	n=50	n=50	0
Total	**n=200**	**n=202**	**+2**

Mid-Market

Quartile	Target	Actual	Difference
Low consumption	n=50	n=50	0
Medium-low	n=50	n=50	0
Medium-high	n=50	n=50	0
High consumption	n=50	n=50	0
Total	**n=200**	**n=200**	**0**

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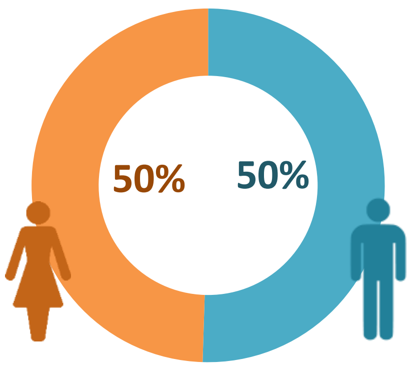
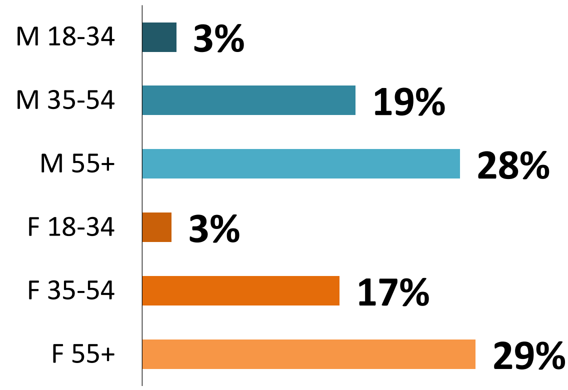
Residential Rate Class

Segmentation & Demographics

Residential

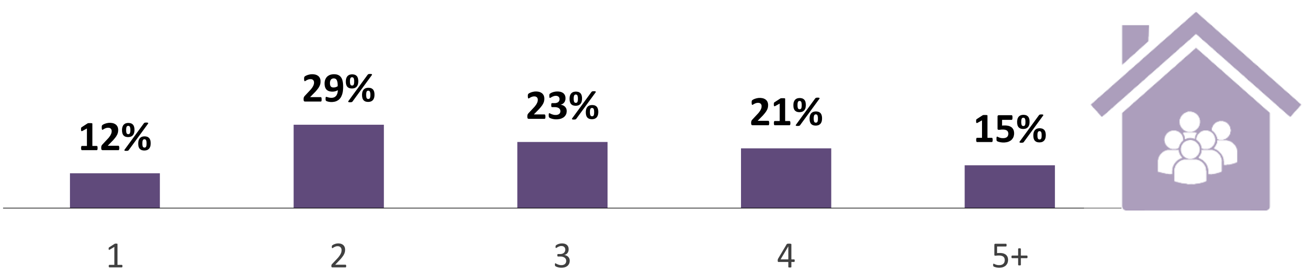
Age-Gender





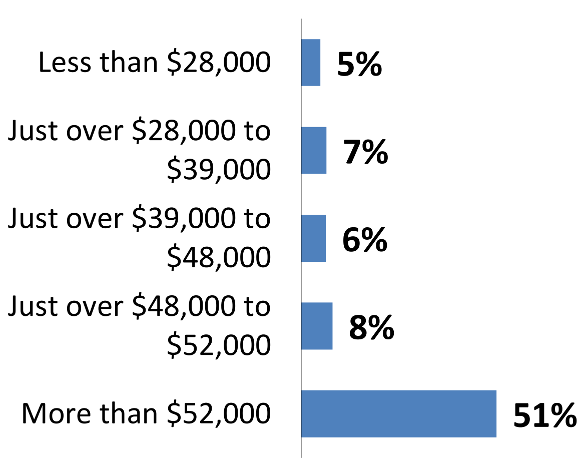
Note: 'Refused' (1%) not shown.

Household Size



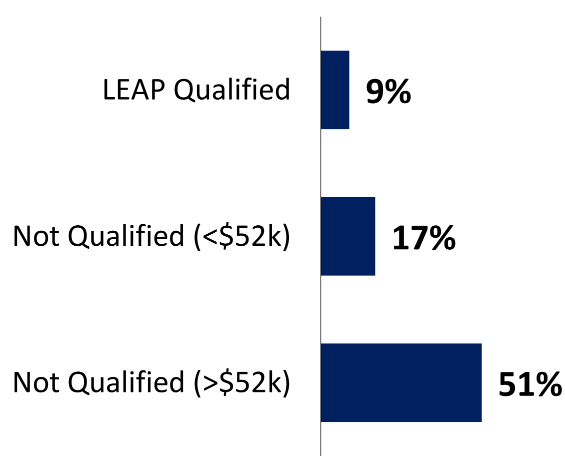
Note: 'Refused' (1%) not shown.

Household Income



Note: 'Refused' (20%), Not sure (3%) not shown.

LEAP Qualification

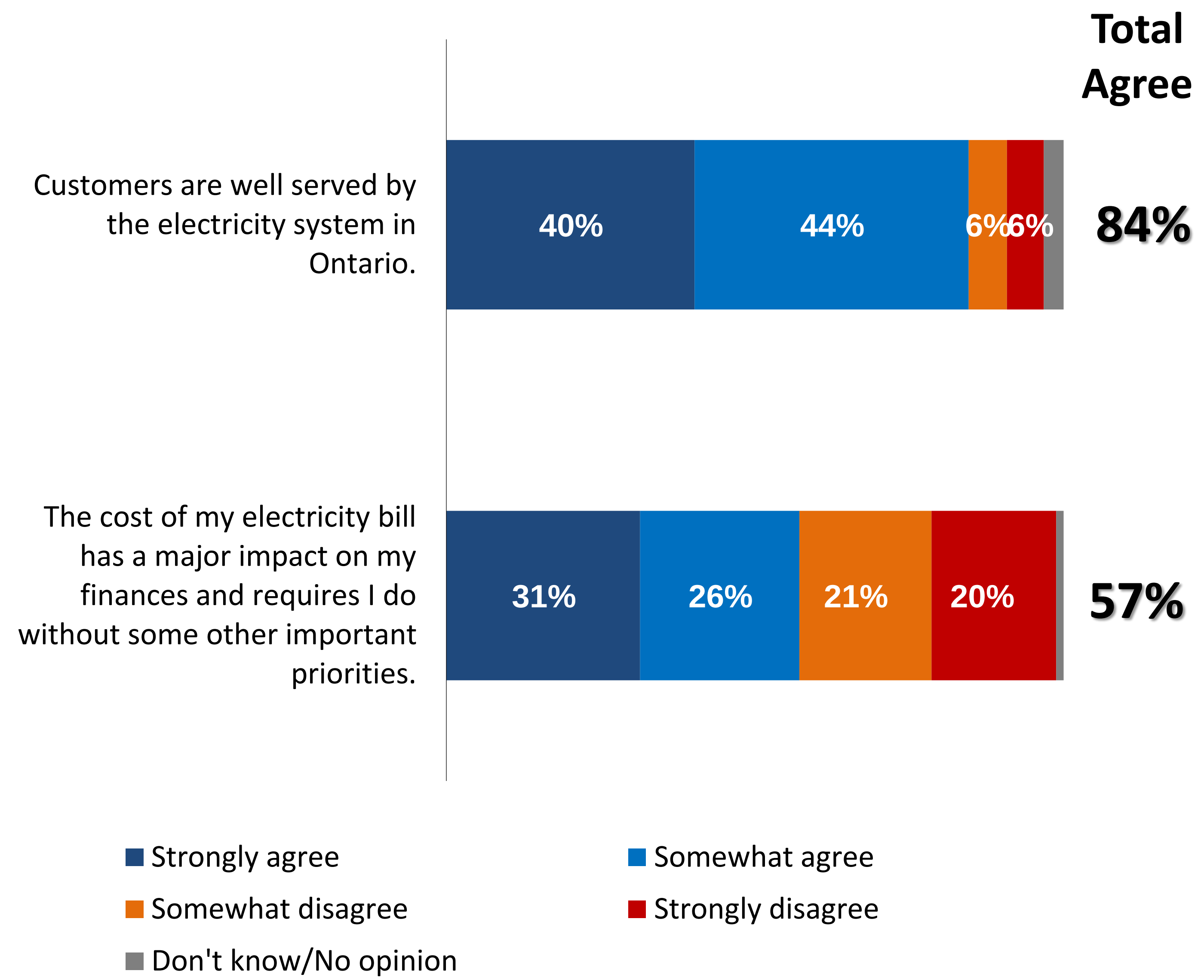


Note: 'Refused' (20%), Not sure (3%) not shown.

Segmentation & Demographics

Residential

Q For each statement please tell me if you would strongly agree, somewhat agree, somewhat disagree or strongly disagree. If you don't know enough to say or don't have an opinion just let me know.
[asked all respondents, n=501]

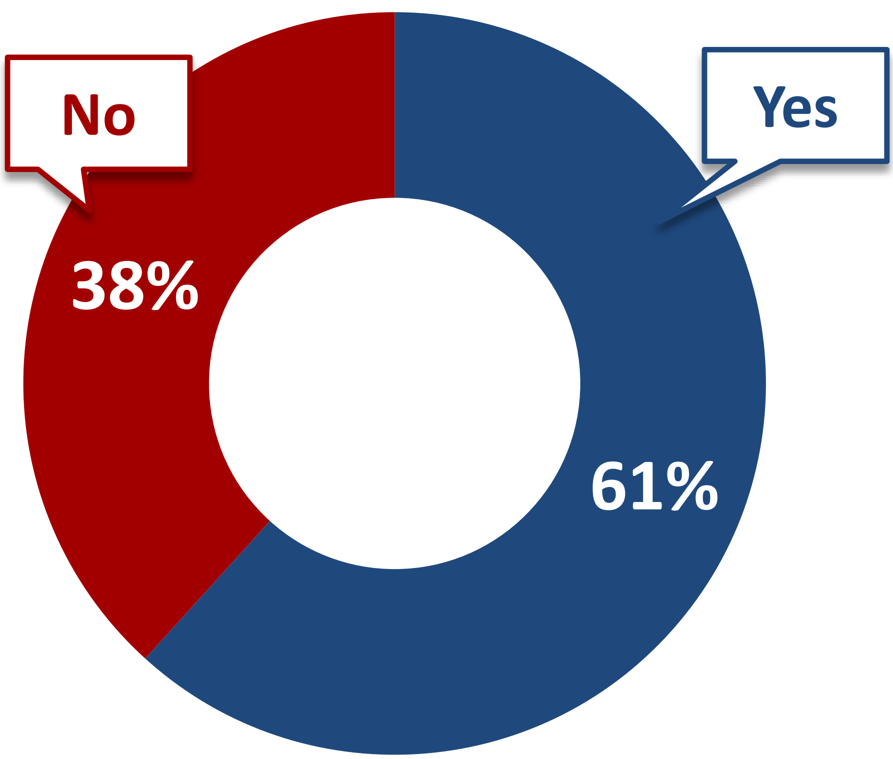


Awareness of Merger

Residential

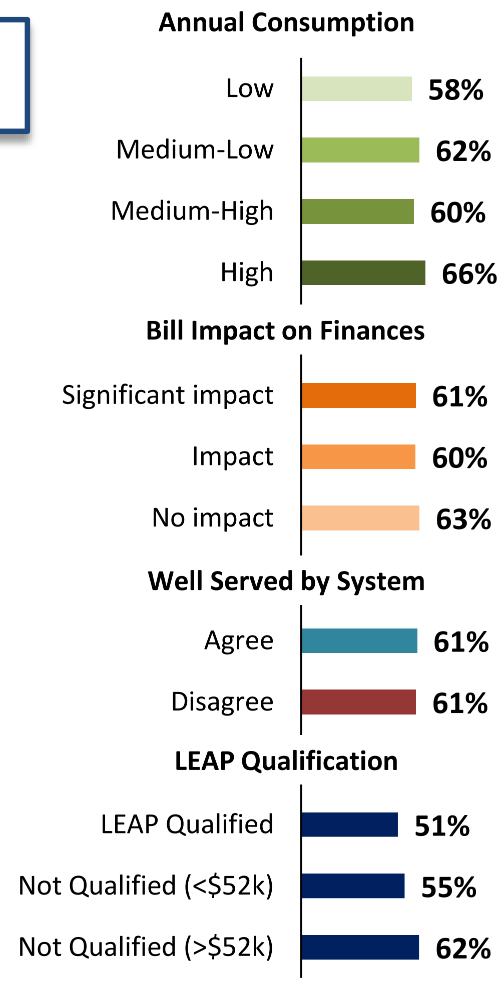
Q You may have recently heard that Enersource has merged with neighbouring electricity distributors to form a new company called Alectra Utilities.

Had you heard of the Alectra Utilities merger before this survey?
[asked all respondents, n=501]



Segmentation

*Those who say "**Heard of merger**":*



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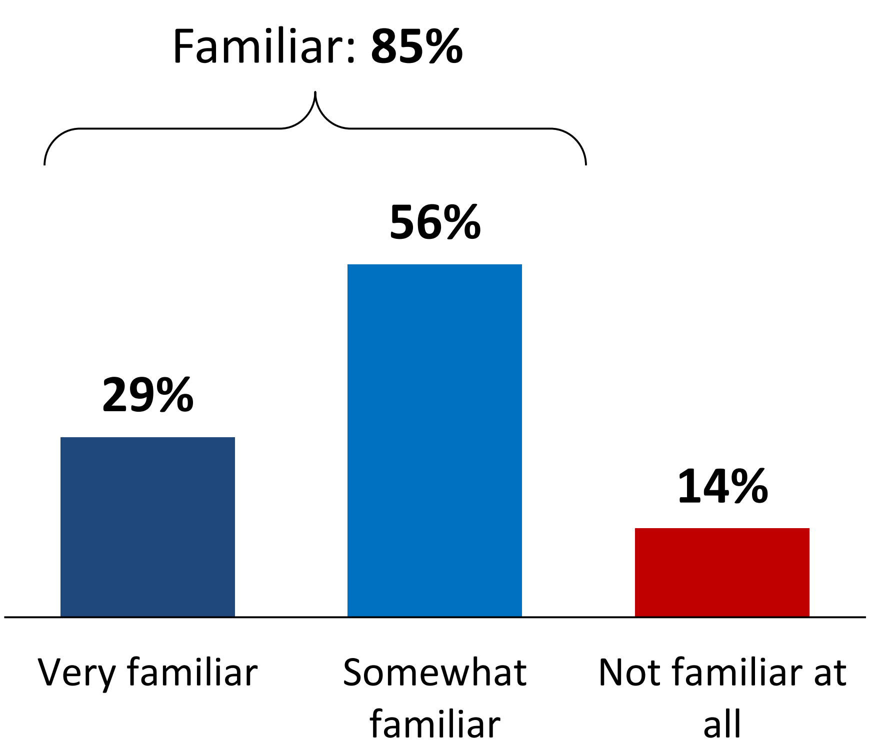
Familiarity with Enersource

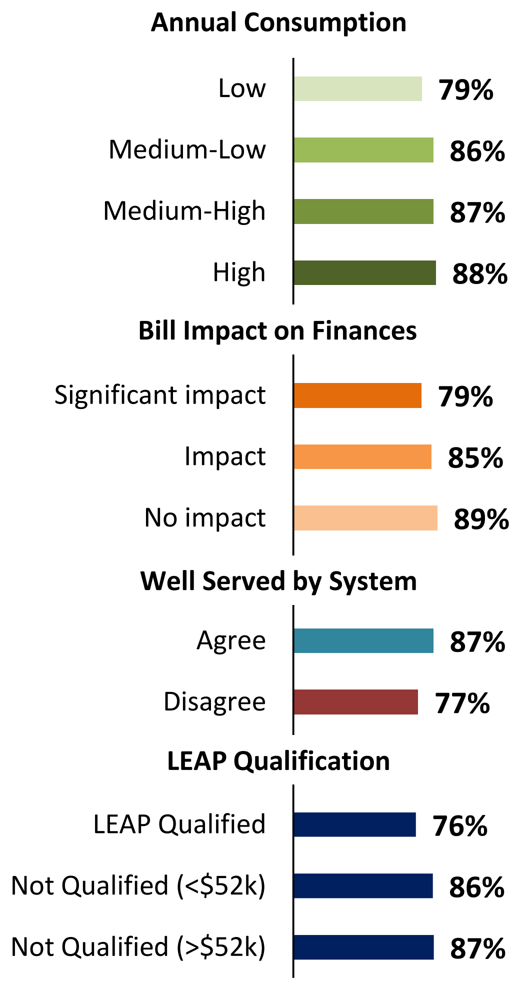
Residential

Q First, let's talk about your experience. As you may know, Enersource operates and maintains the local electricity distribution system in Mississauga. This is the system that takes the electricity from provincial transmission lines and brings it to your home through a network of wires, poles and other equipment that is owned and operated by Enersource.

How familiar are you with Enersource?
[asked all respondents, n=501]



Segmentation ▶▶
*Those who say "**Familiar**":*



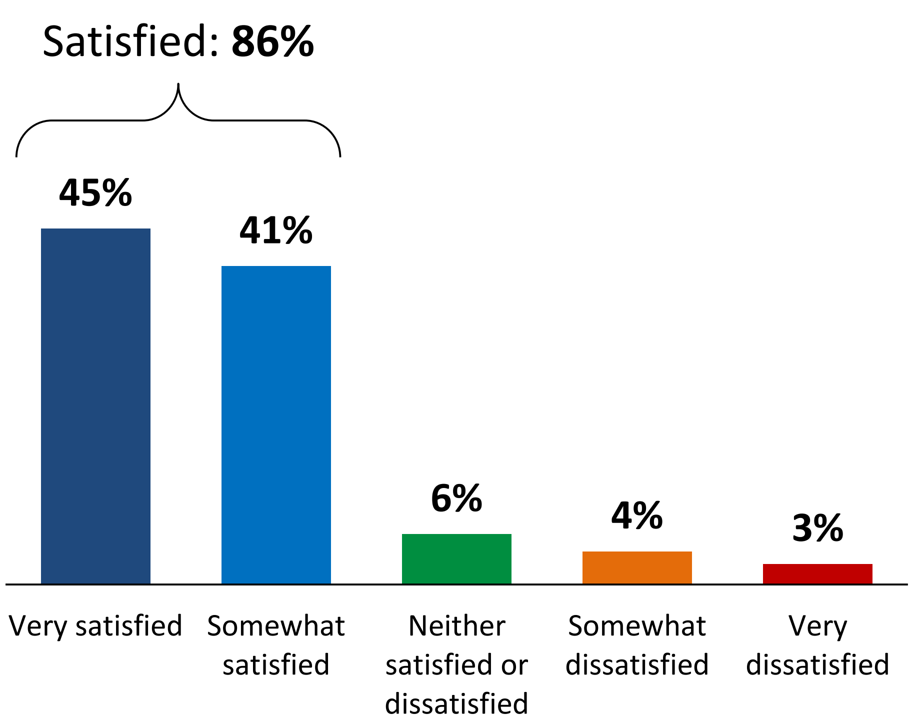
Note: 'Don't know' (1%) not shown.

Satisfaction with Services

Residential

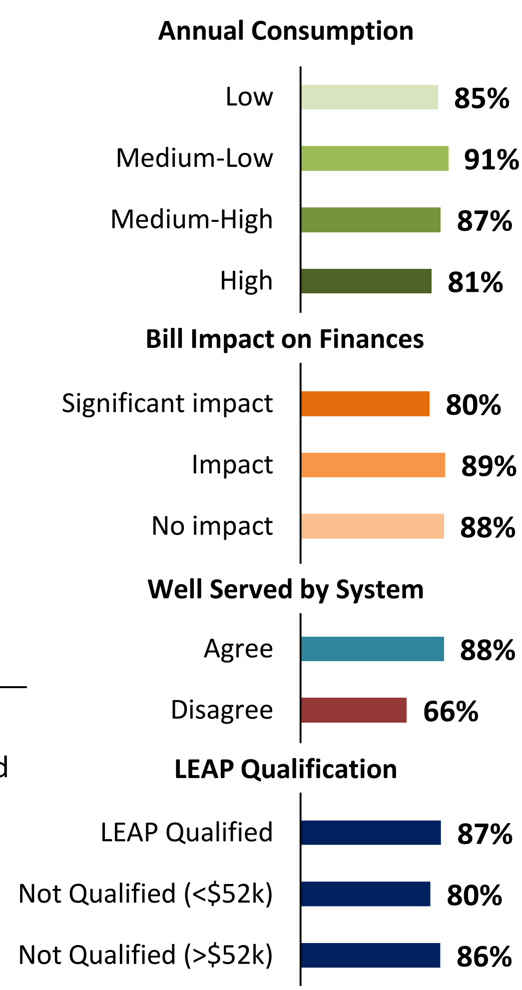
Q In general, how satisfied or dissatisfied are you with the services you receive from Enersource? Would you say you are very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied?

[asked all respondents, n=501]



Segmentation

*Those who say "**Satisfied**":*



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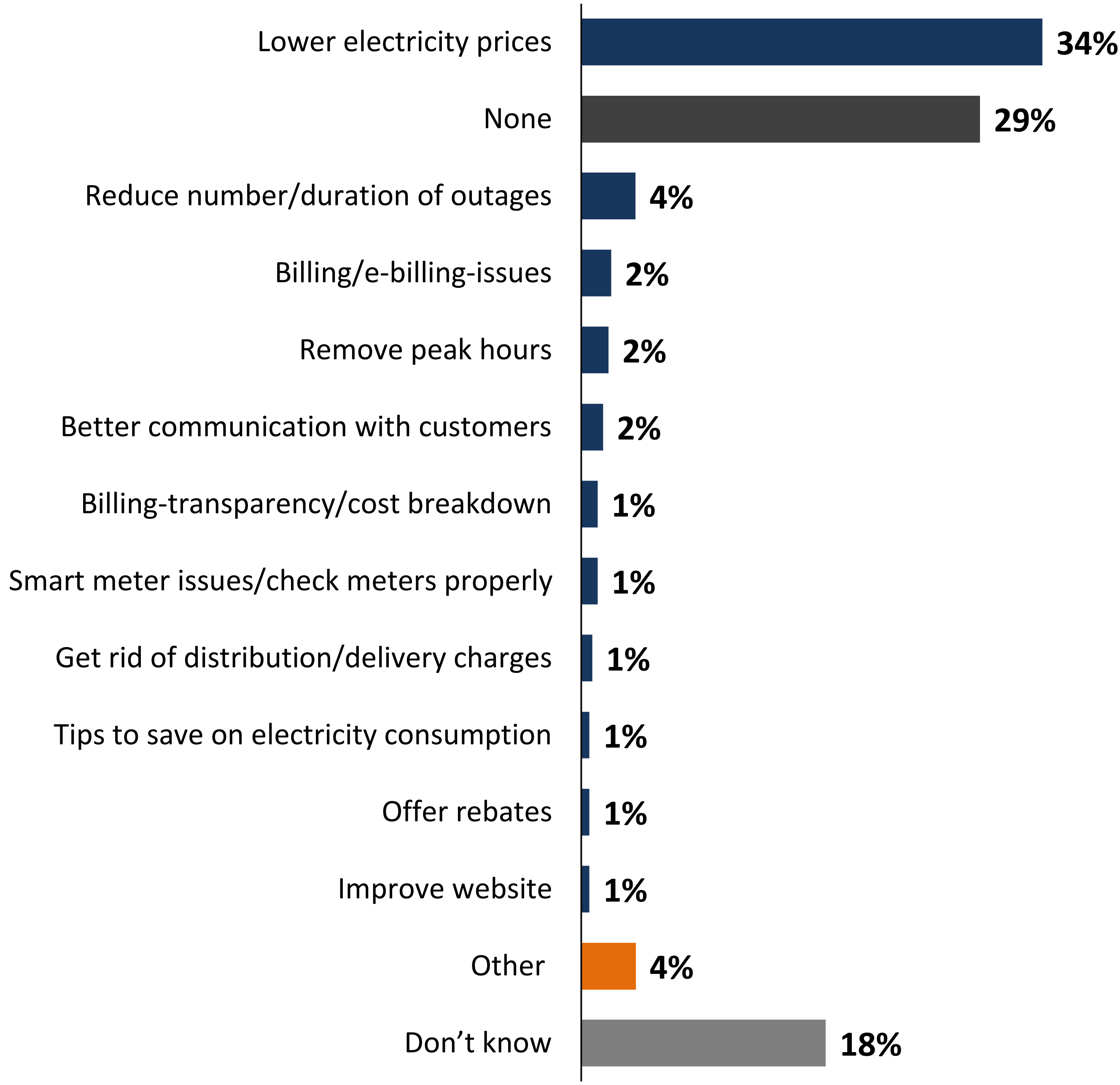
Note: 'Don't know' (1%) not shown.

Suggestions for Improvements

Residential

Q Is there anything in particular Enersource can do to improve its service to you?
[asked all respondents, n=501]



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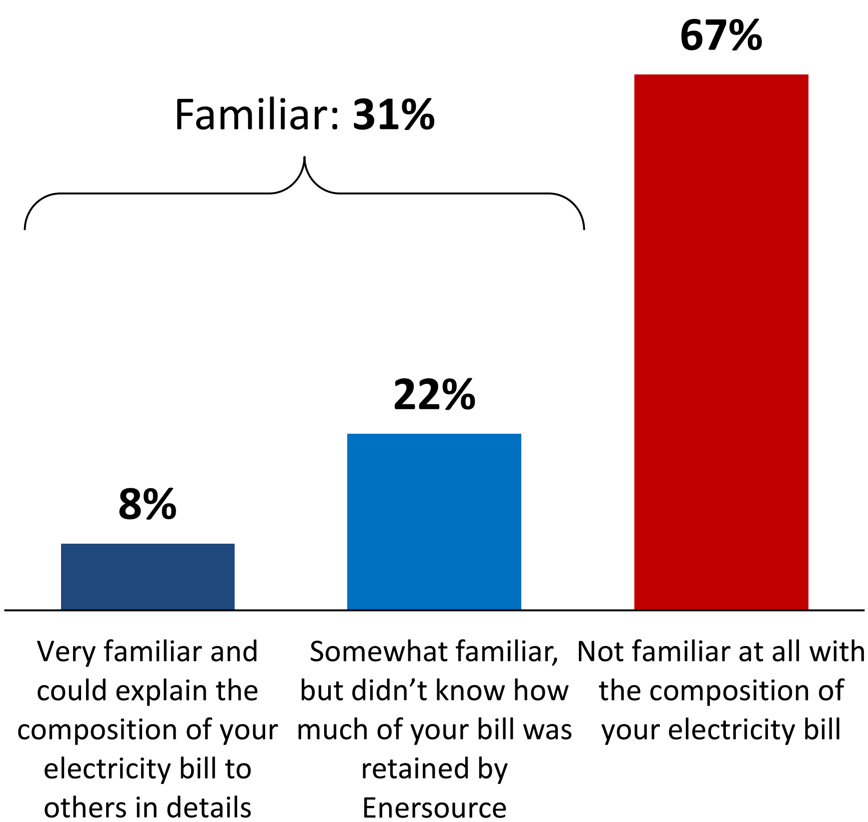
Familiarity with Amount of Electricity Bill Remitted

Residential

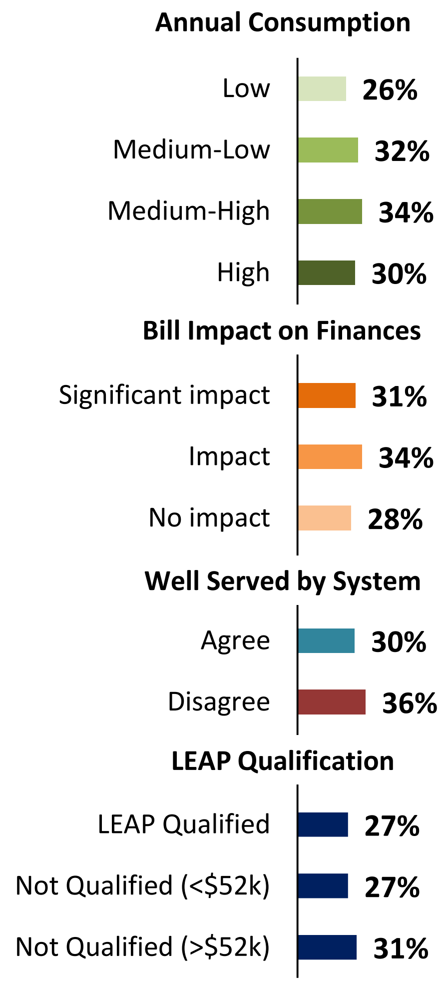
Q I'd now like to talk with you about your electricity bill … While Enersource is responsible for collecting payment for the entire electricity bill, they retain about 23% of the typical residential customer's bill. This is about $25.02 on an average $108.48 monthly residential electricity bill. The rest of the bill goes to power generation companies, transmission companies, the provincial government and regulatory agencies.

Before this survey, how familiar were you with the percentage of your electricity bill that is retained by Enersource?
[asked all respondents, n=501]



Segmentation

*Those who say "**Familiar**":*



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Note: 'Don't know' (2%) not shown.

Customer Priorities

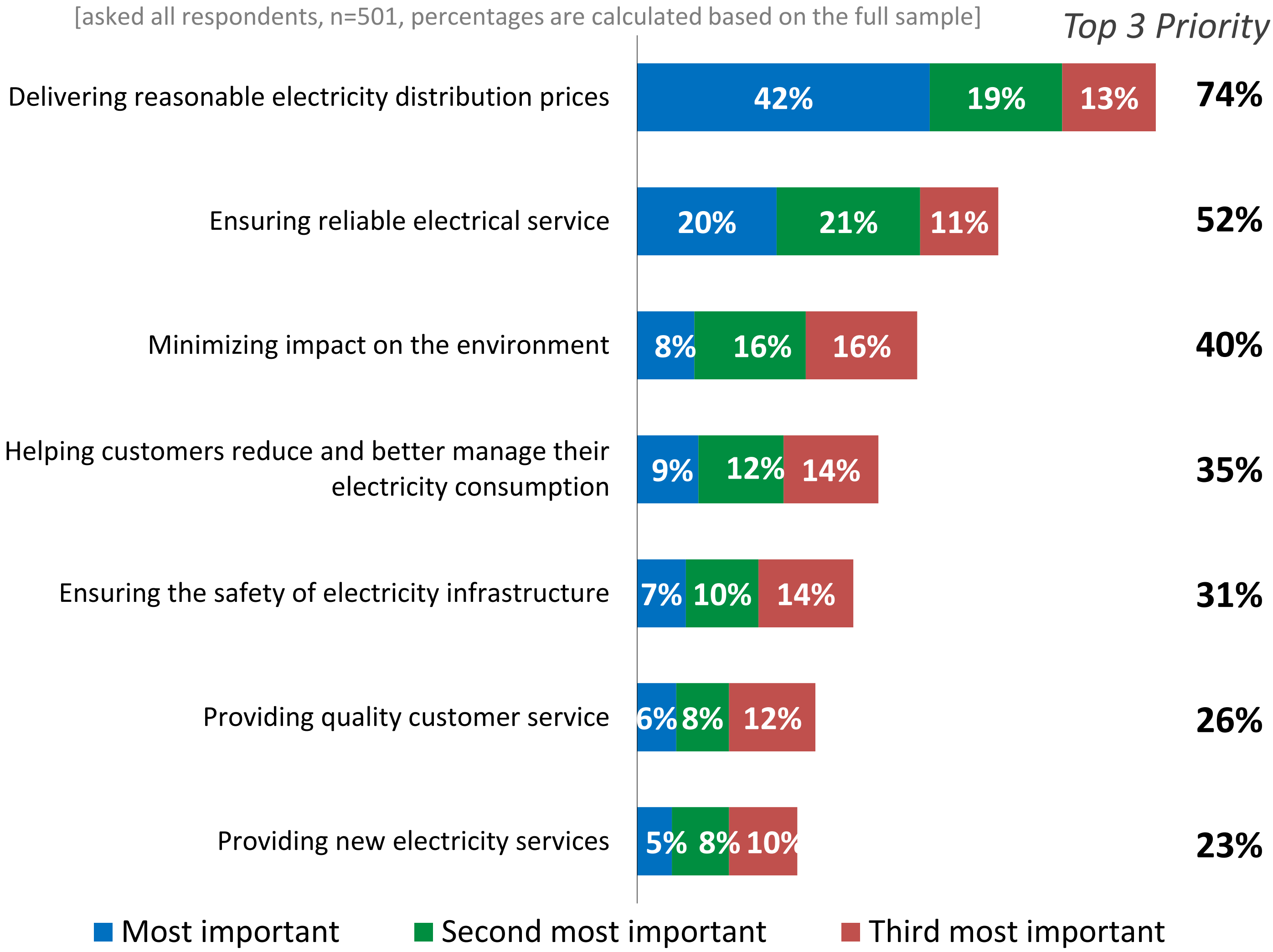
Residential

Q Now lets talk about our second topic – outcomes. Enersource regularly holds discussions with its customers to better understand how it should set spending priorities with the money customers pay for service.

In recent conversations with customers, a number of company goals were identified as key priorities for Enersource.

Among the following Enersource priorities, please tell me which one is most important to you.

[asked all respondents, n=501, percentages are calculated based on the full sample]



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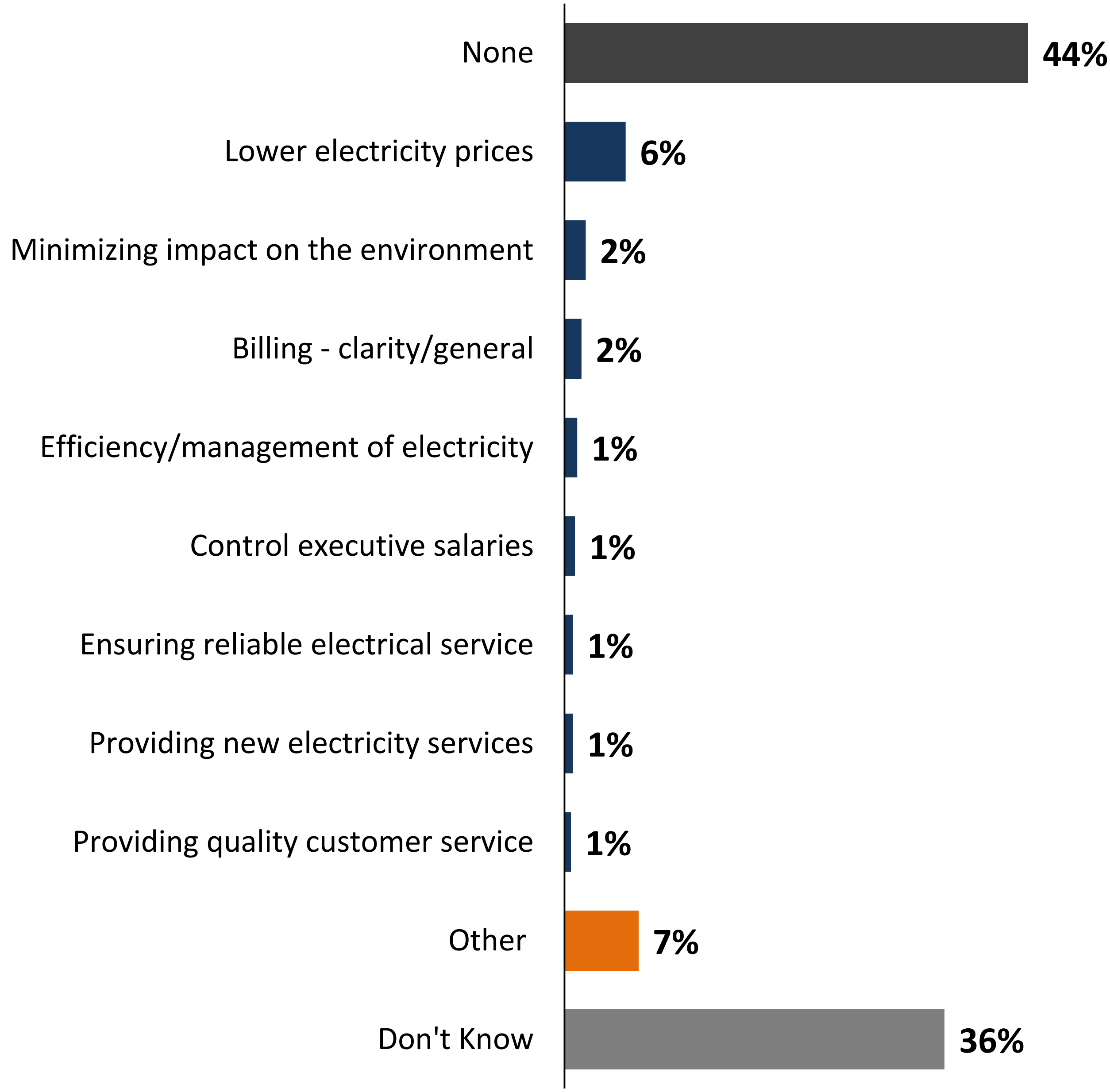
Note: 'Don't know' not shown.

Additional Priorities

Residential

Q Are there any other important priorities that Enersource should be focusing on that weren't included in the previous list I read to you?
[asked all respondents, n=501]



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System Reliability

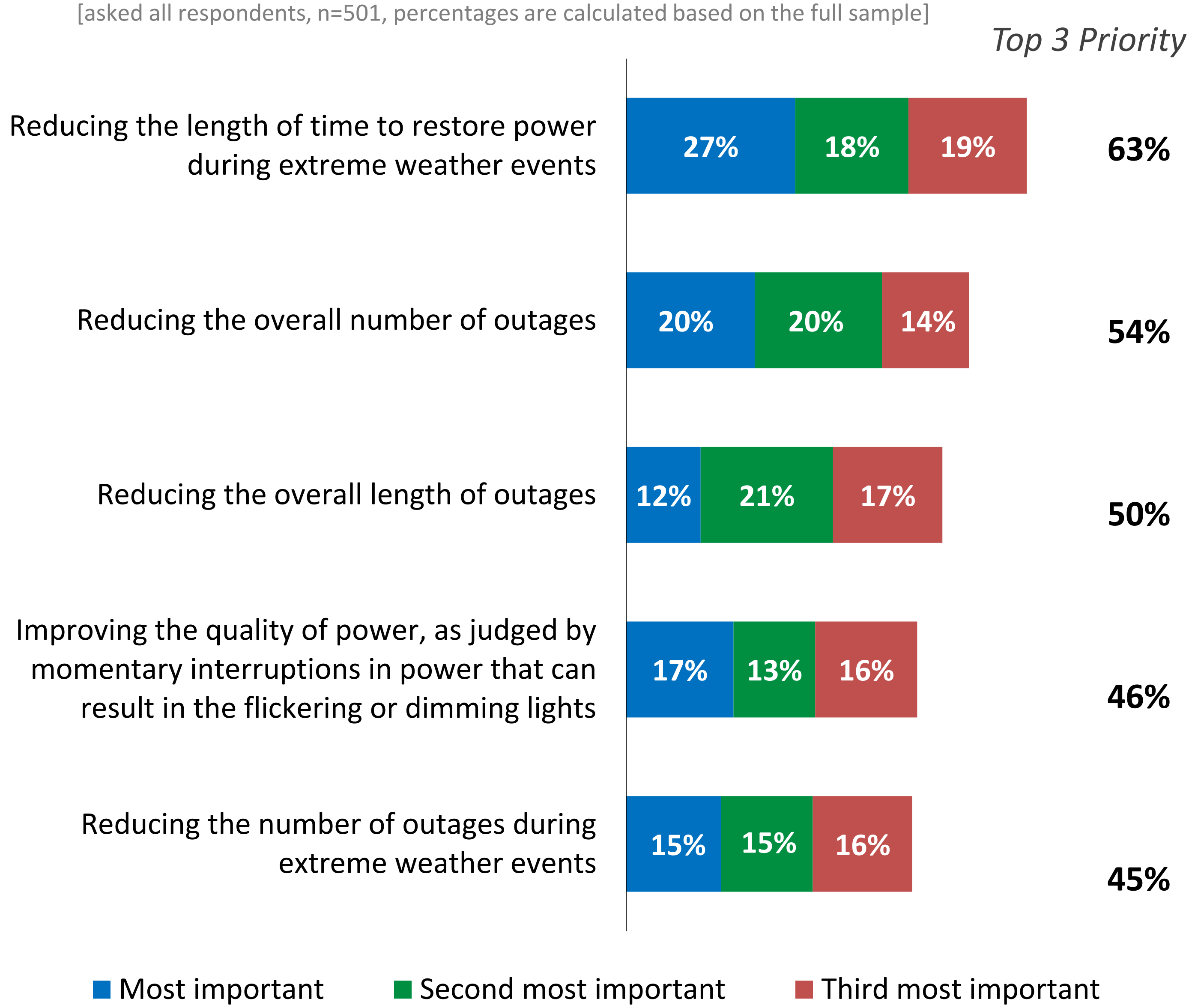
Residential

Q We would like to understand your experience with reliability.

There are different outcomes when customers talk about power reliability.

Among the following reliability outcomes, please tell me which one is most important to you.

[asked all respondents, n=501, percentages are calculated based on the full sample]



Note: 'Don't know' not shown.

Familiarity with how Electricity Rates are Set

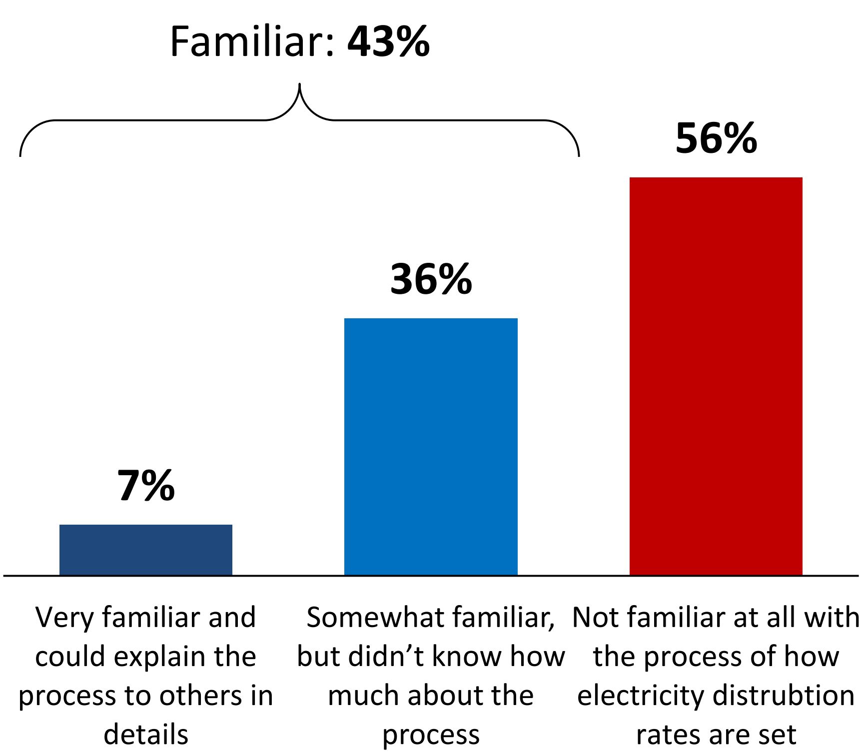
Residential

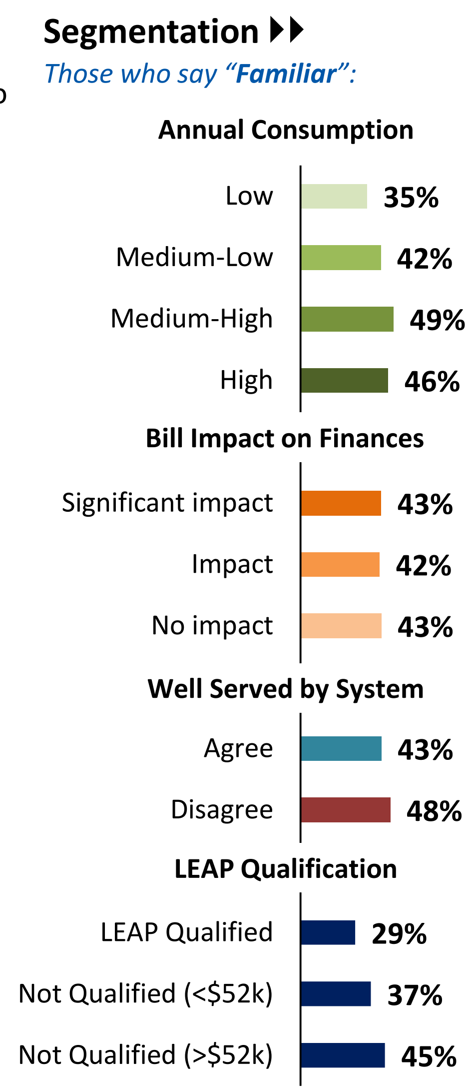
Q *Now, lets turn to our third topic, investment trade-offs.* The electricity industry in Ontario is regulated by the Ontario Energy Board, otherwise known as the O-E-B. The OEB sets electricity rates in Ontario.

The OEB requires electricity distributors, such as Alectra Utilities, to develop its business plan and distribution system plan, as well as make spending and investment decisions based on customer feedback.

Electricity distributors are funded by the distribution rates paid by their customers. Periodically, distributors are required to file rate applications with the OEB to justify the amount of funding they need to safely and reliably distribute electricity to their customers.

Before this survey, how familiar were you with how electricity distribution rates are set in Ontario?
[asked all respondents, n=501]





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Note: 'Don't know' (1%) not shown.

Investment Trade-Off Preamble

Residential

“Alectra Utilities is now starting to create its first overall investment plan as a merged utility. The OEB divides electricity distributor investments into four categories. One category, called system access, includes investments that are mandatory under the distributor’s licence to operate. These include reasonable costs to connect new customers and moving existing infrastructure to accommodate civic improvements.

The spending in the other three categories involves finding the right balance between the impact on your bill and the service you receive. We would now like ask a few questions about your preferences when it comes to finding the right balance between costs and other outcomes.

I want to start by asking you about system renewal, that is the projects that replace aging electrical infrastructure.”

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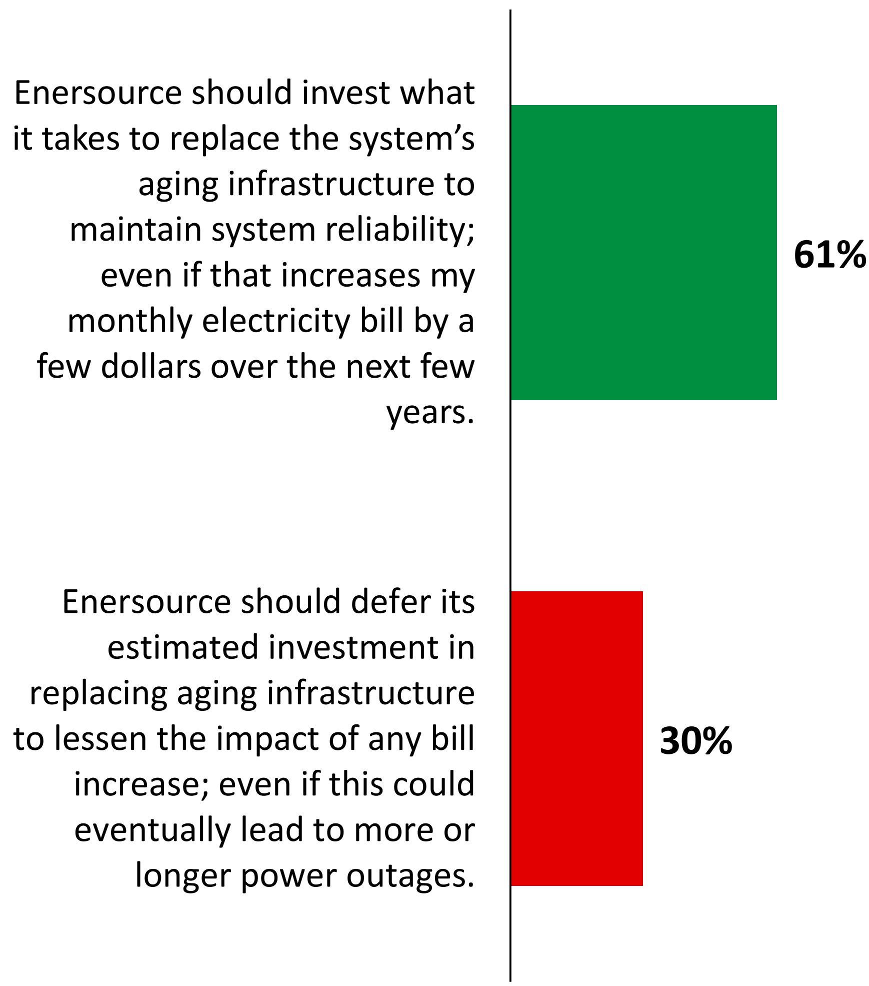
Replacing Aging Infrastructure

Residential

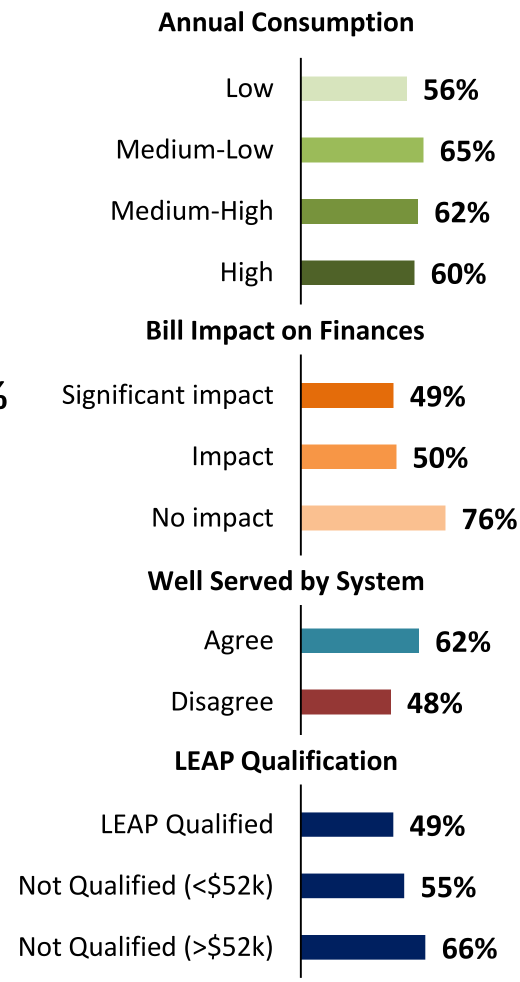
Q While Enersource works hard to prolong the life of the assets that make up Mississauga's distribution system, eventually these assets reach the end of their useful life and require replacement. Currently the average customer experiences 1.08 outages a year for an average of **35 minutes and 40 seconds**. When adjusted to remove outages due to loss of supply from the transmission system and major storms, 56% of unscheduled outages are as a result of equipment failure in the Enersource rate zone. However, it is not possible to predict exactly when a specific piece of aging equipment will fail. Enersource must decide the pace at which it replaces this aging equipment.

Which of the following statements best represents your point of view?
[asked all respondents, n=501]



Segmentation ▶▶

*Those who say "**invest what it takes to maintain system reliability**":*



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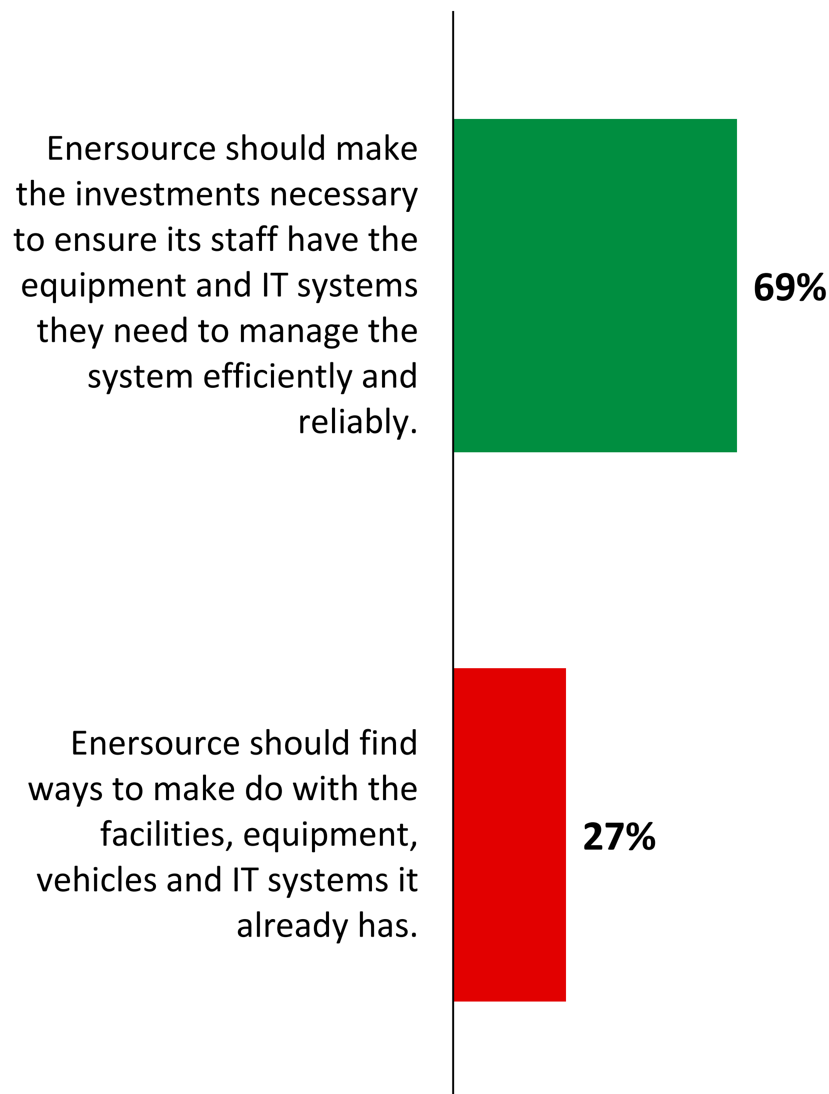
Note: 'Don't know' (6%), 'Refused' (4%) not shown.

General Plant Investments

Residential

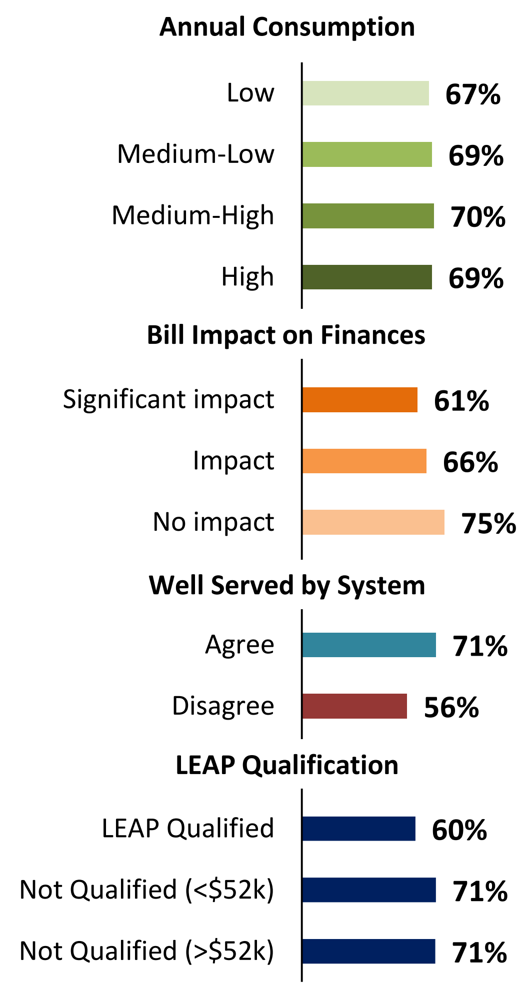
Q As a company, Enersource needs facilities to house staff and equipment, vehicles and tools to service electrical infrastructure, and IT systems to manage the distribution system and customer information..

Which of the following statements best represents your point of view?
[asked all respondents, n=501]



Segmentation

*Those who say "**make necessary investments**":*



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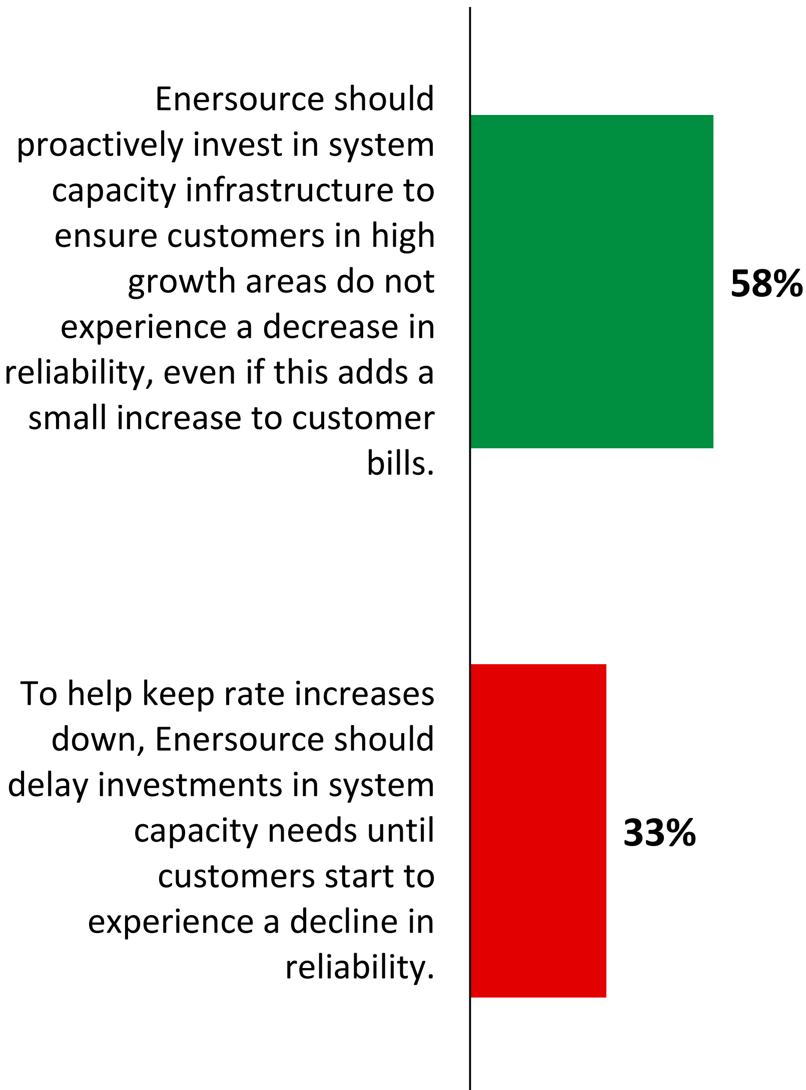
Note: 'Don't know' (3%), 'Refused' (1%) not shown.

System Service Investments

Residential

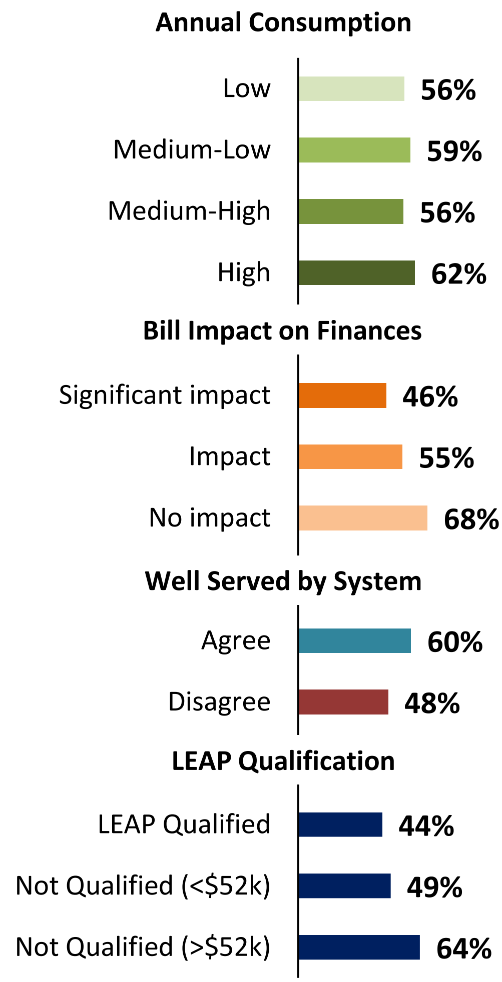
Q With growth in various parts of Mississauga comes greater demand for electricity. This increased demand for electricity puts increased pressure on the existing electrical infrastructure. Eventually, further infrastructure investments will be required to support increased demand for electricity.

With this in mind, which of the following statements best represents your point of view?
[asked all respondents, n=501]



Segmentation

*Those who say "**proactively invest in system capacity**":*



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Note: 'Don't know' (7%), 'Refused' (3%) not shown.

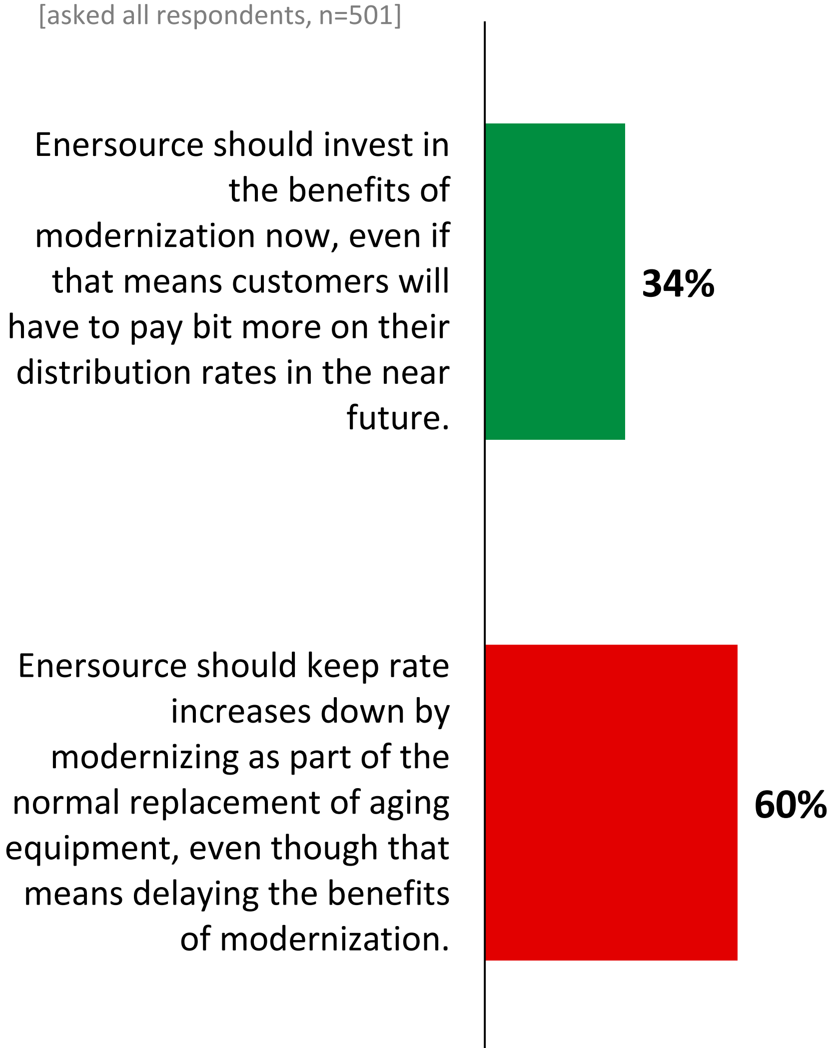
Modernizing the Distribution System

Residential

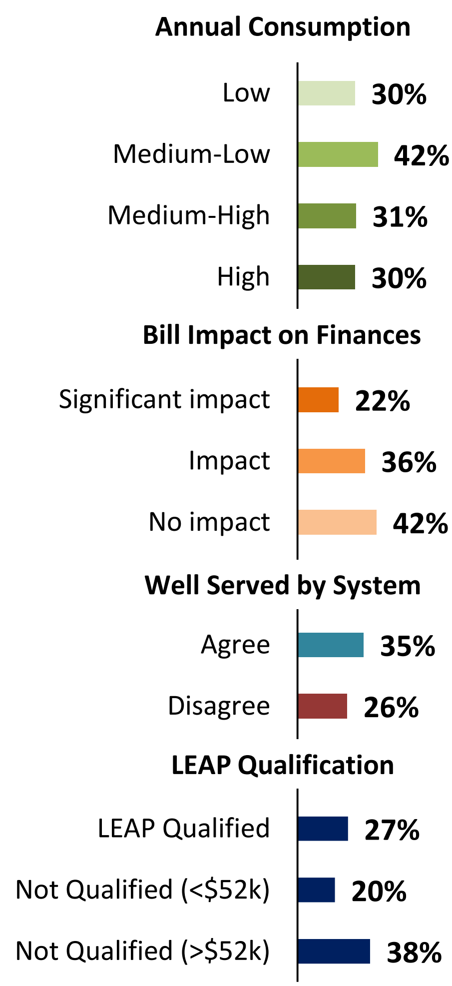
Q There are new technologies that Enersource can implement such as microgrids, electricity storage, and automatic switches that can give customers more choices, improve reliability or reduce the impact on the environment.

These investments would create a better grid, but are not required to maintain the reliability that you experience today.

Which of the following statements best represent your point of view?
[asked all respondents, n=501]



Segmentation
*Those who say "**invest in modernization now**":*



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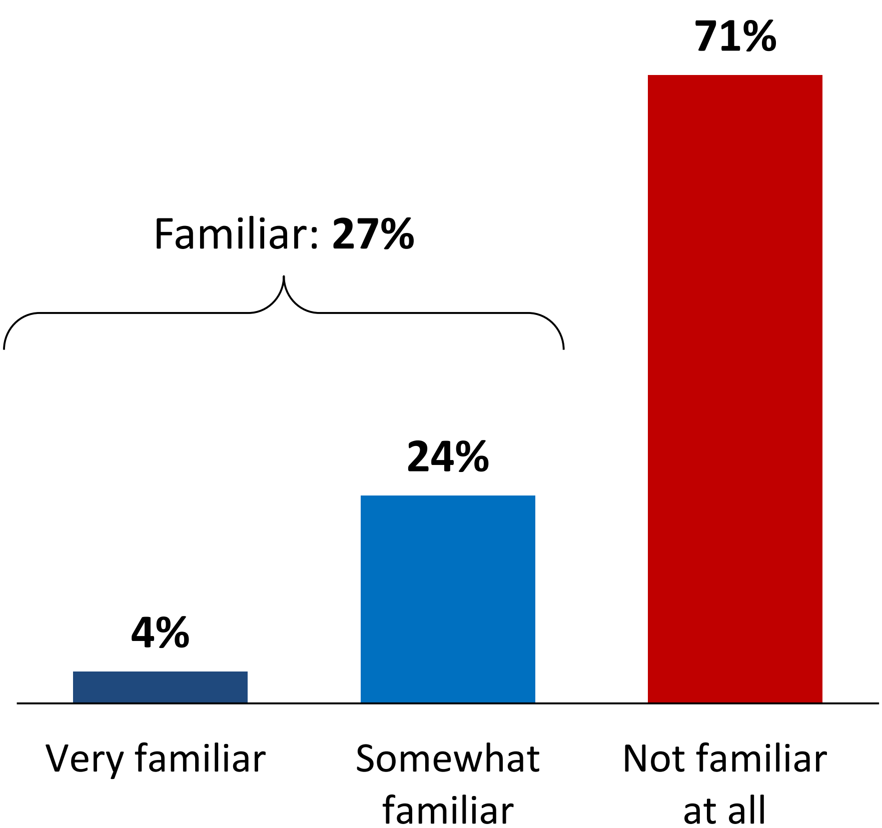
Note: 'Don't know' (5%), 'Refused' (1%) not shown.

Familiarity with OEB "Cost Saving" Requirements

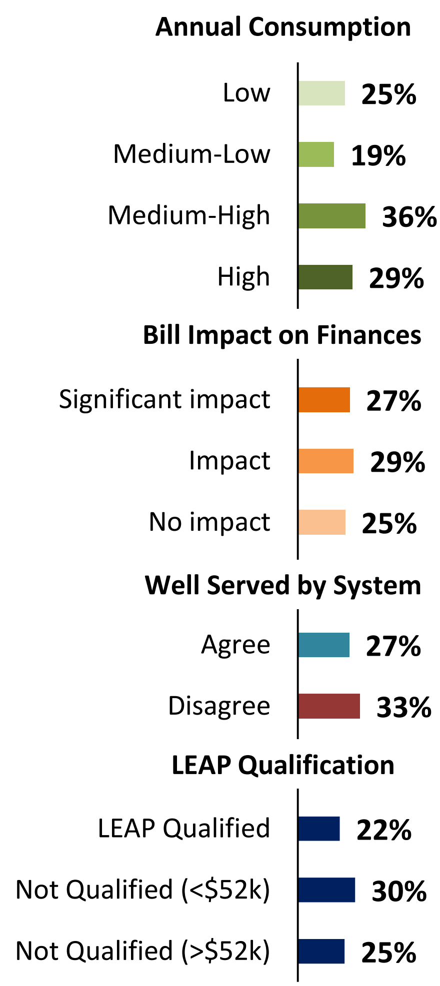
Residential

Q As we mentioned earlier, the rates you pay to Enersource are set by the OEB through a public process. Enersource's current rates were approved in a 2013 application and will be in place until 2027. Each year Enersource is permitted to increase rates to reflect inflation minus savings targets established by the OEB which requires Enersource to keep cost increases below inflation.

Before this survey, how familiar were you with the OEB requirement for Enersource to find savings every year?
[asked all respondents, n=501]



Segmentation
*Those who say "**Familiar**":*



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Note: 'Don't know' (2%) not shown.

ICM Rate Impact & Leaky Transformer Preamble

"Now let's turn to our final topic – possible new projects. As part of the OEB policies, there is an option for Enersource to apply for additional rate increases for discrete projects that are prudent, needed and not supported by existing rates. Looking ahead to 2019, Enersource has identified two system renewal projects that need more investment than the existing budget allows. System renewal projects are a mix of replacing aging infrastructure and emergency repairs."

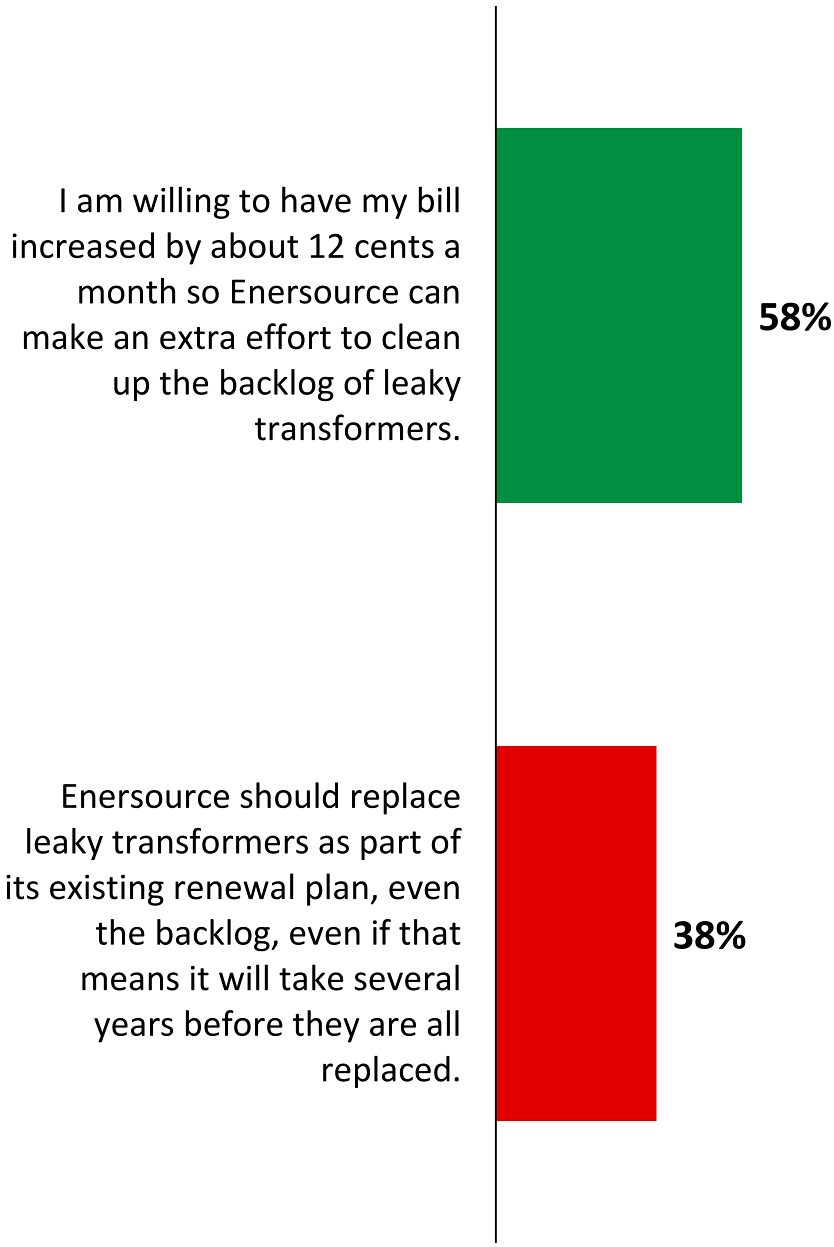
Leaky Transformers

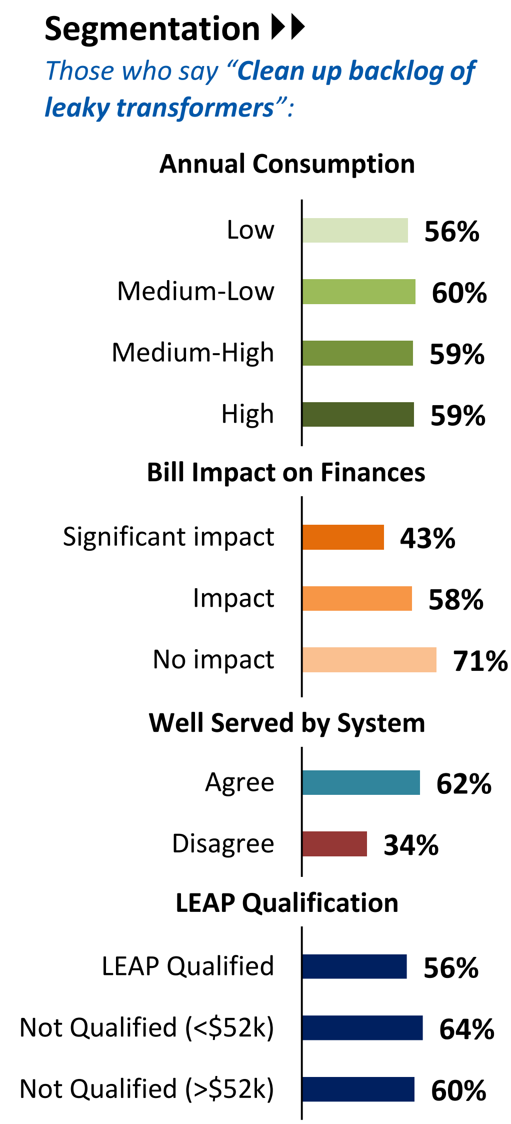
"One of these projects deals with leaky transformers. Enersource has 25,000 transformers which are used to reduce the voltage of electricity as it moves from major transmission lines to the lines going into homes and businesses. Earlier this decade, Enersource identified a backlog of almost 4,000 transformers that show signs of leaking. By the end of this year, over 3,000 of these transformers will have been replaced. However, that will still leave over 600 needing replacement."

Leaky Transformers

Residential

Q Which of the following is closest to your point of view regarding Ensource's proposed transformer replacement program?
[asked all respondents, n=501]





Note: 'Don't know' (3%) not shown.

Rometown Overhead Preamble

Residential

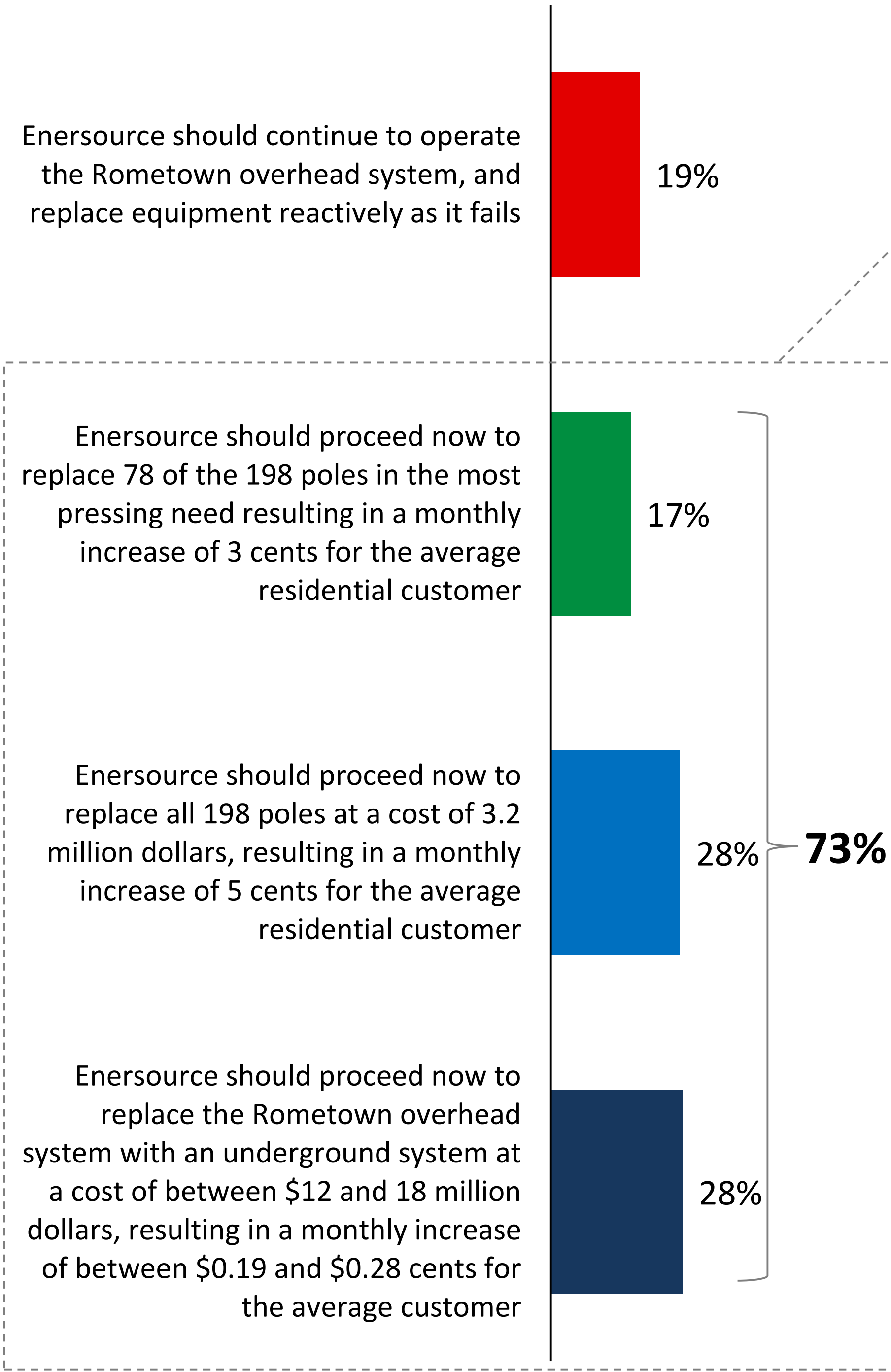
"Another proposed project addresses the Rometown area Overhead system. There are 198 poles in this particular system. 68 out of 198 have been flagged as poor while another 56 are seen to be in fair condition. A total of 78 have been flagged for urgent replacement. This network of poles uses older technologies that will be replaced when the system is eventually rebuilt, but any repairs done today will have to use the older technology. It is more efficient to replace all the poles at once than to replace them one at a time but it costs less in the short run only to replace the poles most in need of repair."

Rometown Overhead

Residential

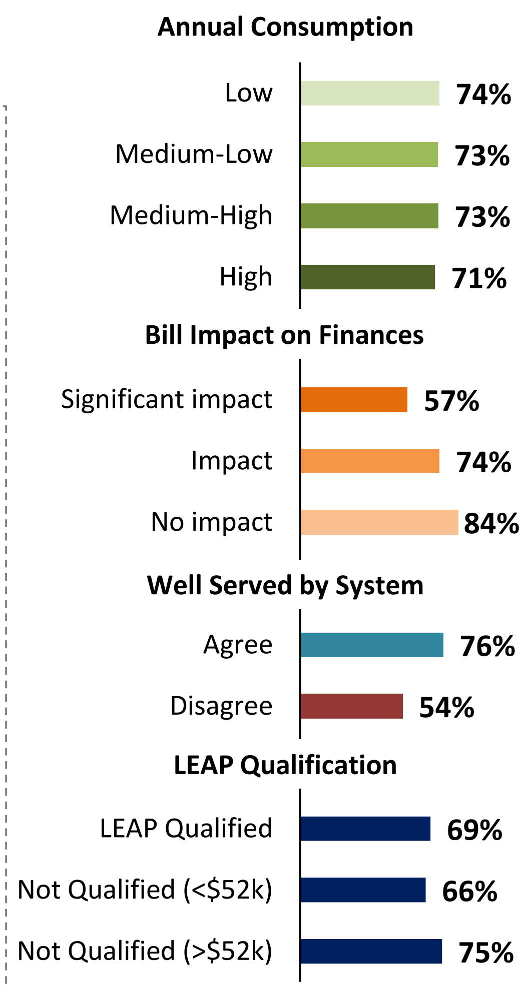
Q Which of the following is closest to your point of view regarding Ensource's proposed Rometown Overhead system rebuild program?

[asked all respondents, n=501]



Segmentation

*Those who say "**Spend more on Rometown Overhead rebuild**":*



INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (8%) not shown.

Opinion of Proposed ICM Rate Impact

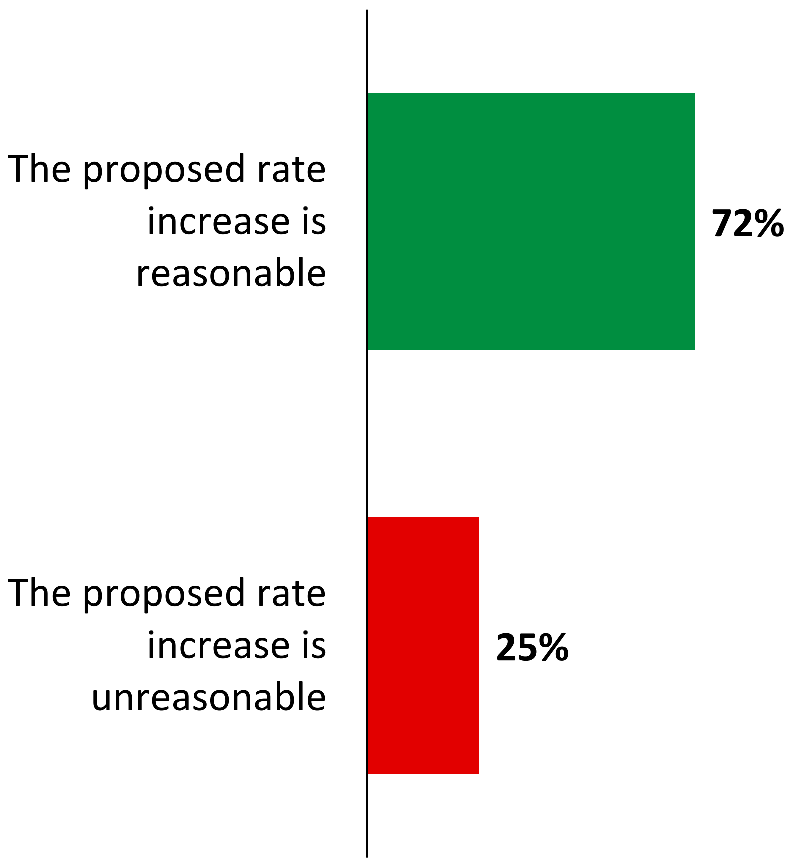
Residential

Q As I mentioned earlier, each year Enersource is permitted to increase rates to reflect inflation minus a stretch factor which requires Enersource to find savings to keep cost increases below inflation. In order to reduce the backlog of leaking transformers and to replace the most high risk poles in the Rometown overhead system, Enersource would need to add a 15 cent charge to the typical residential customers monthly electricity bill, from 2019 to 2026.

That would result in an annual increase of $1.76 each year over the course of the next eight years – *totalling $14.11 over that period.*

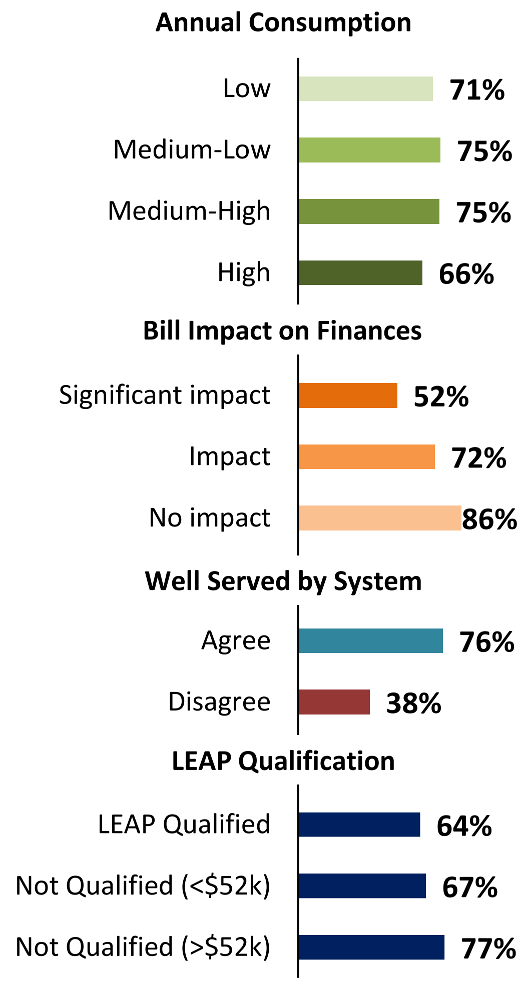
What is your opinion on this proposed rate increase in 2019?

[asked all respondents, n=501]



Segmentation ▶▶

*Those who say "**Rate increase is reasonable**":*



INNOVATIVE RESEARCH GROUP

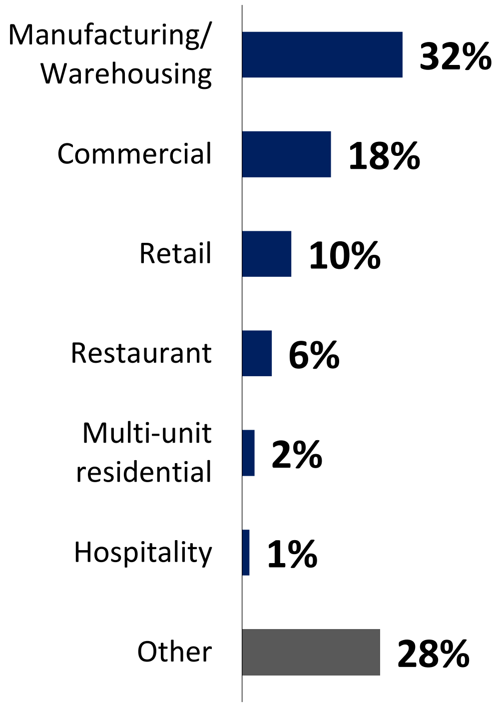
Note: 'Don't know' (3%), 'Refused' (1%) not shown.

Small Business Rate Class

Segmentation & Firmographics

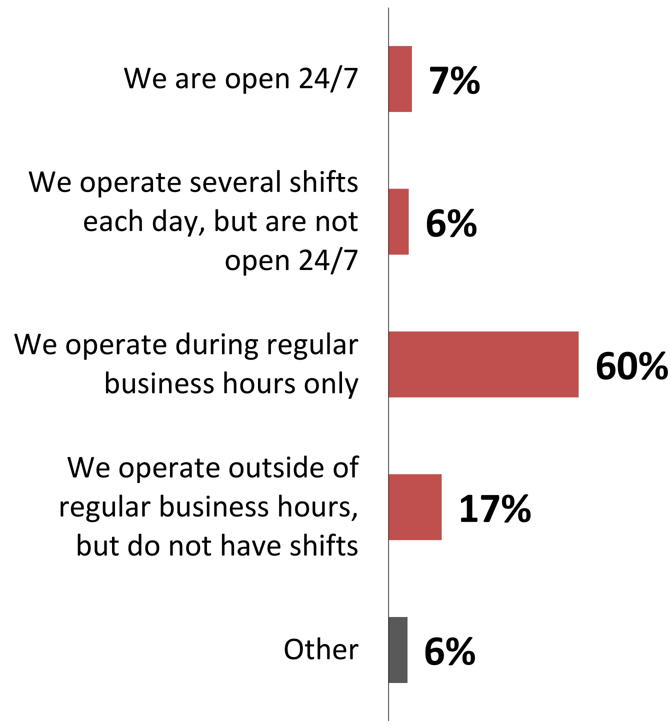
Small Business

Sector



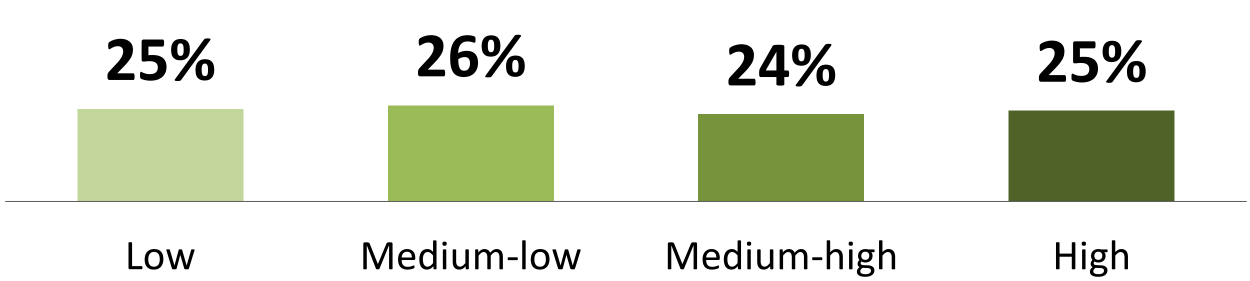
Note: Don't know (2%) not shown.

Hours of Operation



Note: Don't know (3%) not shown.

Annual Consumption

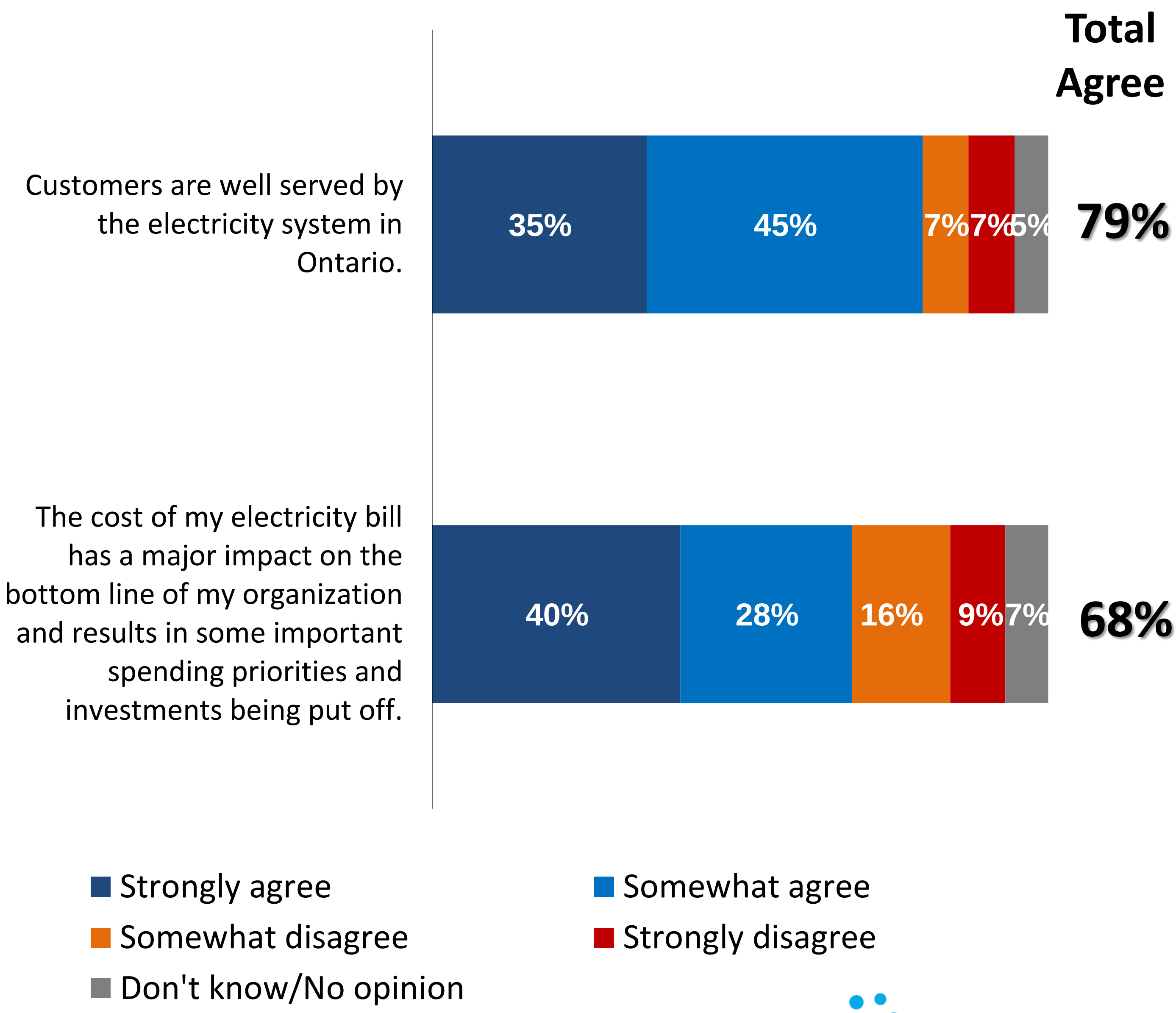


Segmentation & Firmographics

Small Business

Q For each statement please tell me if you would strongly agree, somewhat agree, somewhat disagree or strongly disagree. If you don't know enough to say or don't have an opinion just let me know.

[asked all respondents, n=202]



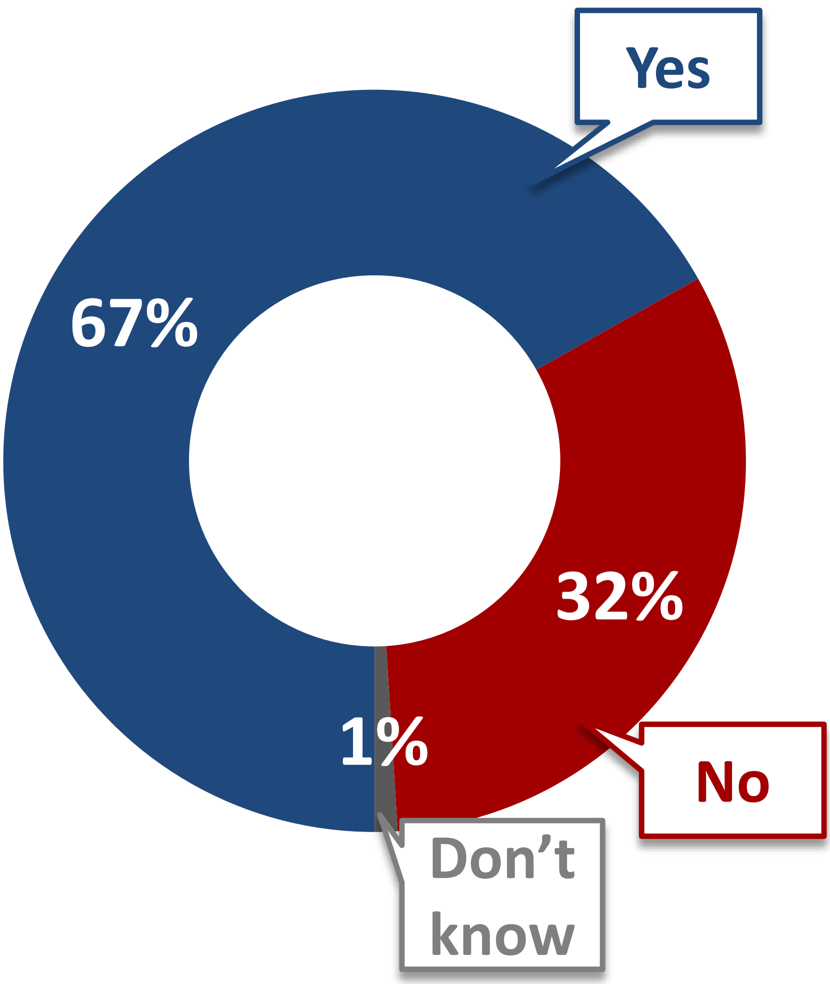
INNOVATIVE RESEARCH GROUP

Awareness of Merger

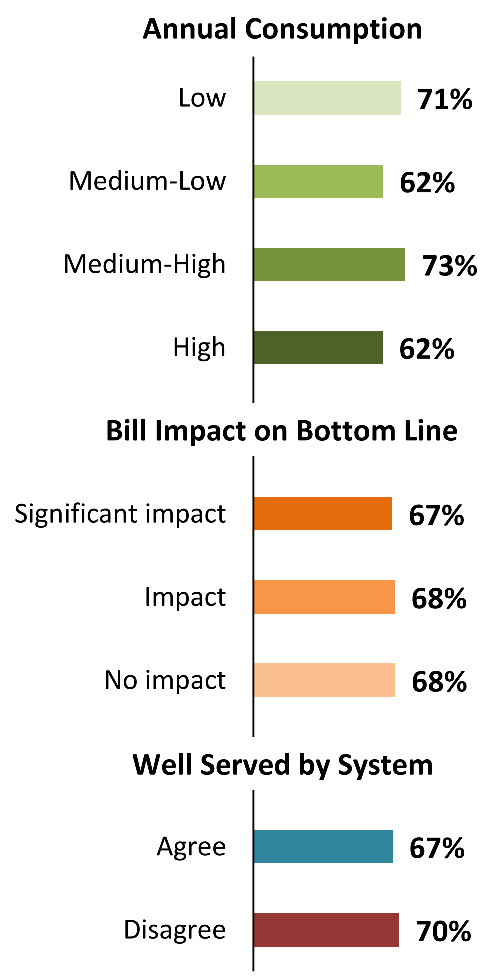
Small Business

Q You may have recently heard that Enersource has merged with neighbouring electricity distributors to form a new company called Alectra Utilities.

Had you heard of the Alectra Utilities merger before this survey?
[asked all respondents, n=202]



Segmentation ▸▸
*Those who say "**Heard of merger**":*



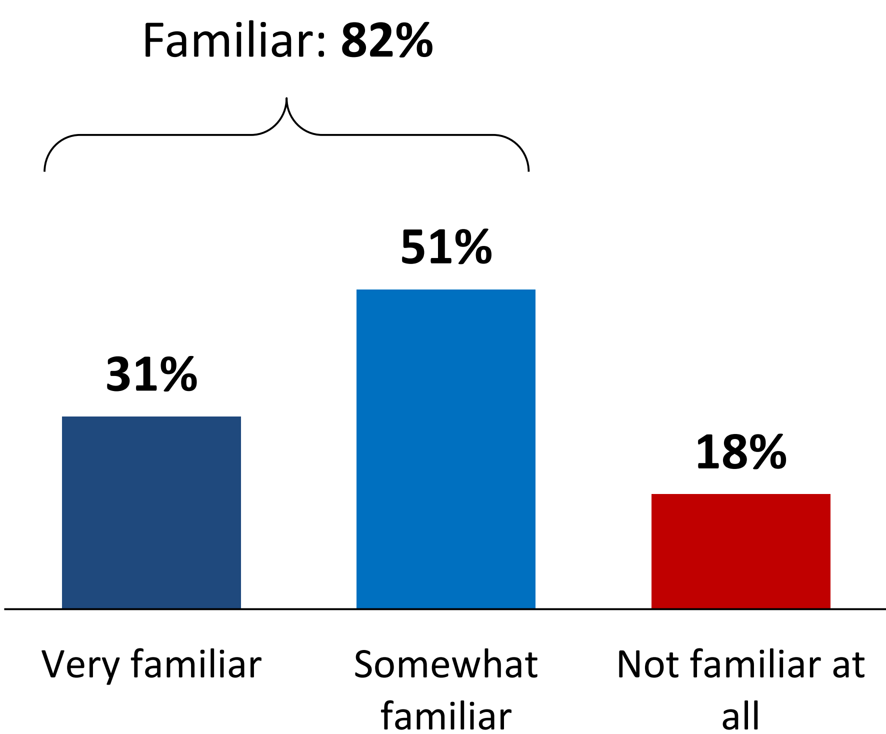
INNOVATIVE RESEARCH GROUP

Familiarity with Enersource

Small Business

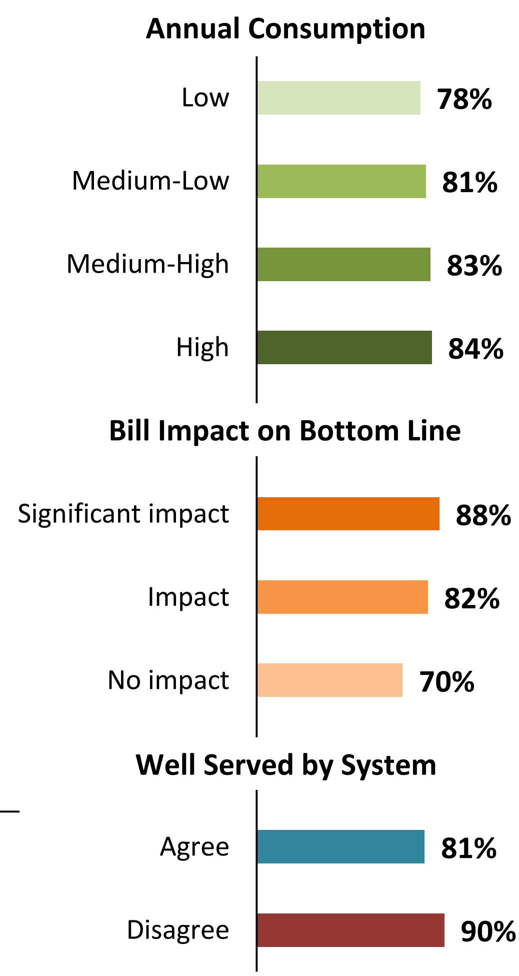
Q First, let’s talk about your experience. As you may know, Enersource operates and maintains the local electricity distribution system in Mississauga. This is the system that takes the electricity from provincial transmission lines and brings it to your home through a network of wires, poles and other equipment that is owned and operated by Enersource.

How familiar are you with Enersource?
[asked all respondents, n=202]



Segmentation

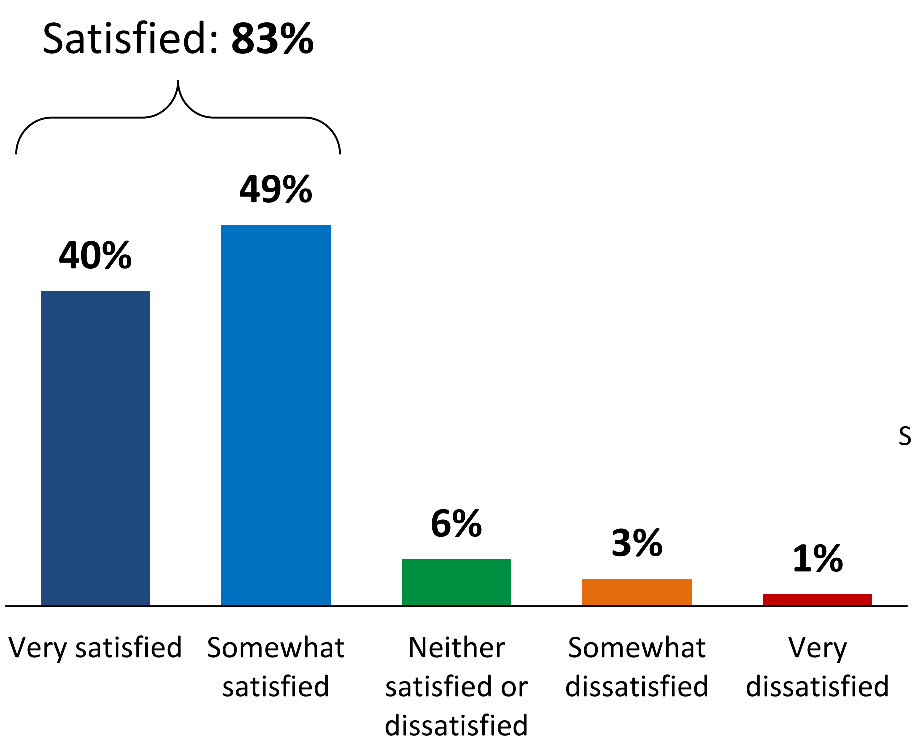
*Those who say “**Familiar**”:*



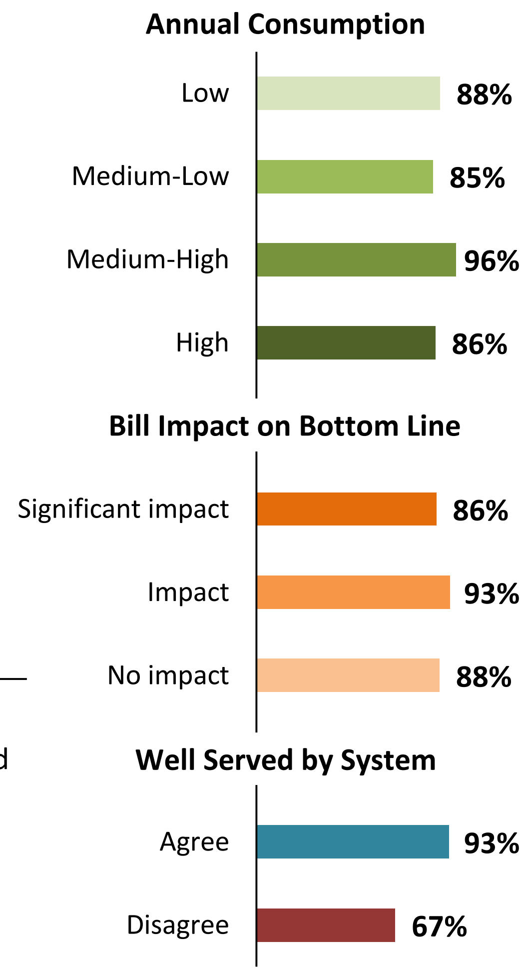
Satisfaction with Services

Small Business

Q In general, how satisfied or dissatisfied are you with the services your organization receives from Enersource? Would you say you are very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied?
[asked all respondents, n=202]



Segmentation
*Those who say "**Satisfied**":*

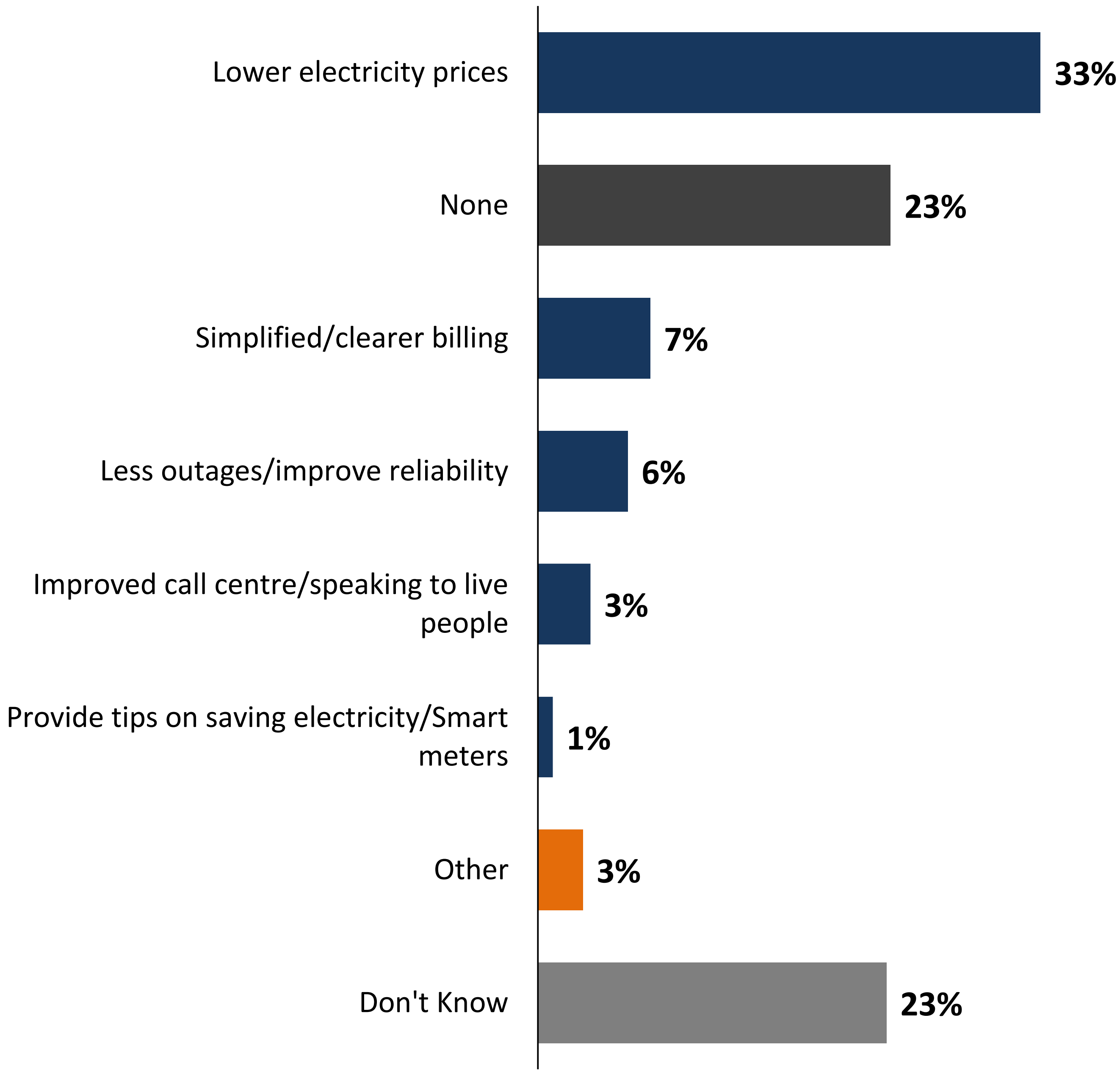


INNOVATIVE RESEARCH GROUP

Suggestions for Improvements

Small Business

Q Is there anything in particular Enersource can do to improve its service to your organization?
[asked all respondents, n=202]



INNOVATIVE RESEARCH GROUP

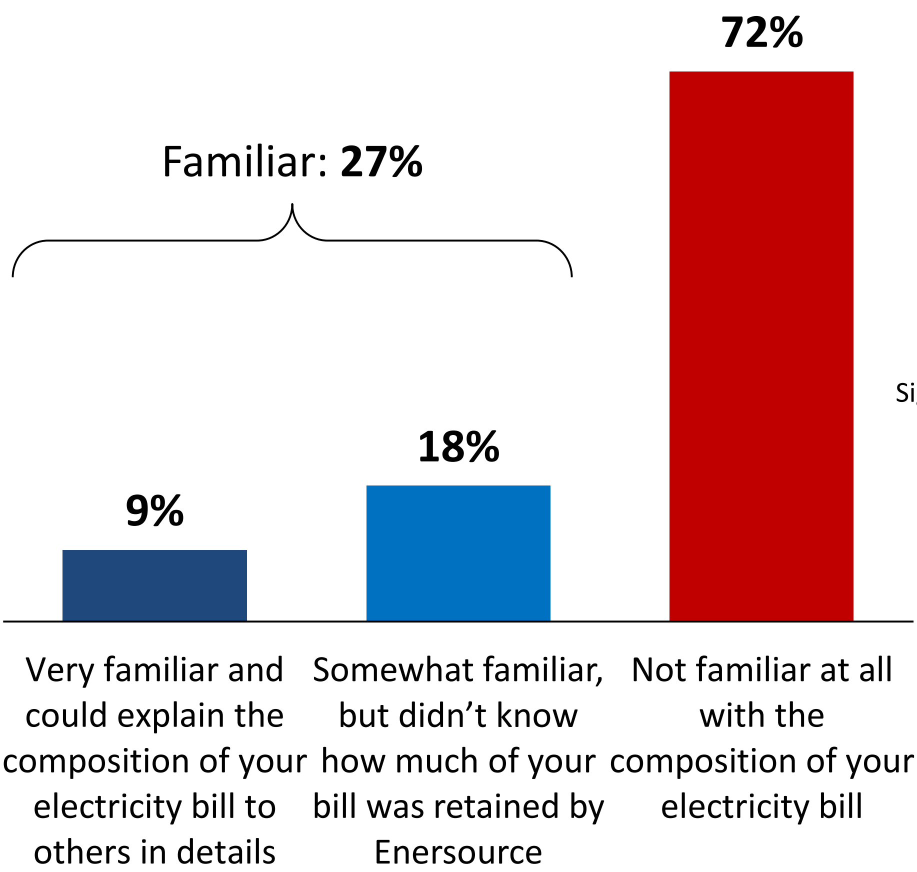
Familiarity with Amount of Electricity Bill Remitted

Small Business

Q I'd now like to talk with you about your electricity bill … While Enersource is responsible for collecting payment for the entire electricity bill, they retain about 24% of the typical small business customer's bill. This is about $73.33 on an average $306.98 monthly small business electricity bill. The rest of the bill goes to power generation companies, transmission companies, the provincial government and regulatory agencies.

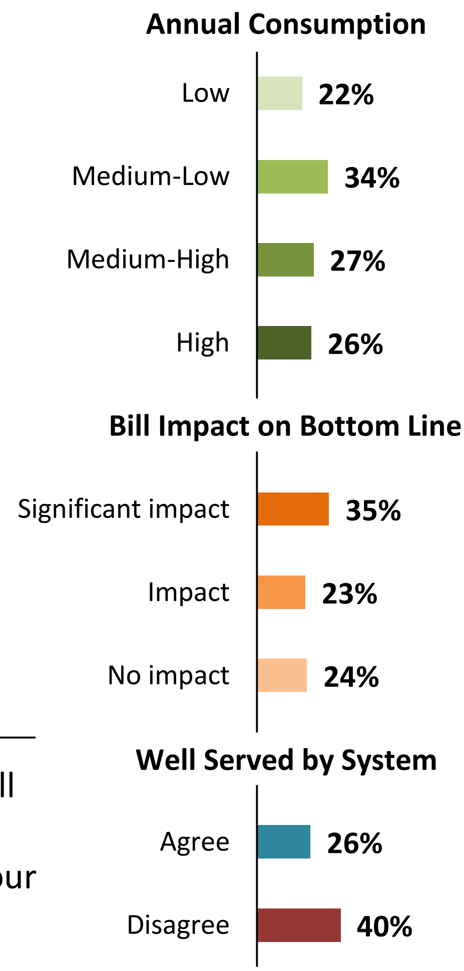
Before this survey, how familiar were you with the percentage of your organization's electricity bill that is retained by Enersource?

[asked all respondents, n=202]



Segmentation

*Those who say "**Familiar**":*



INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (<1%) not shown.

Customer Priorities

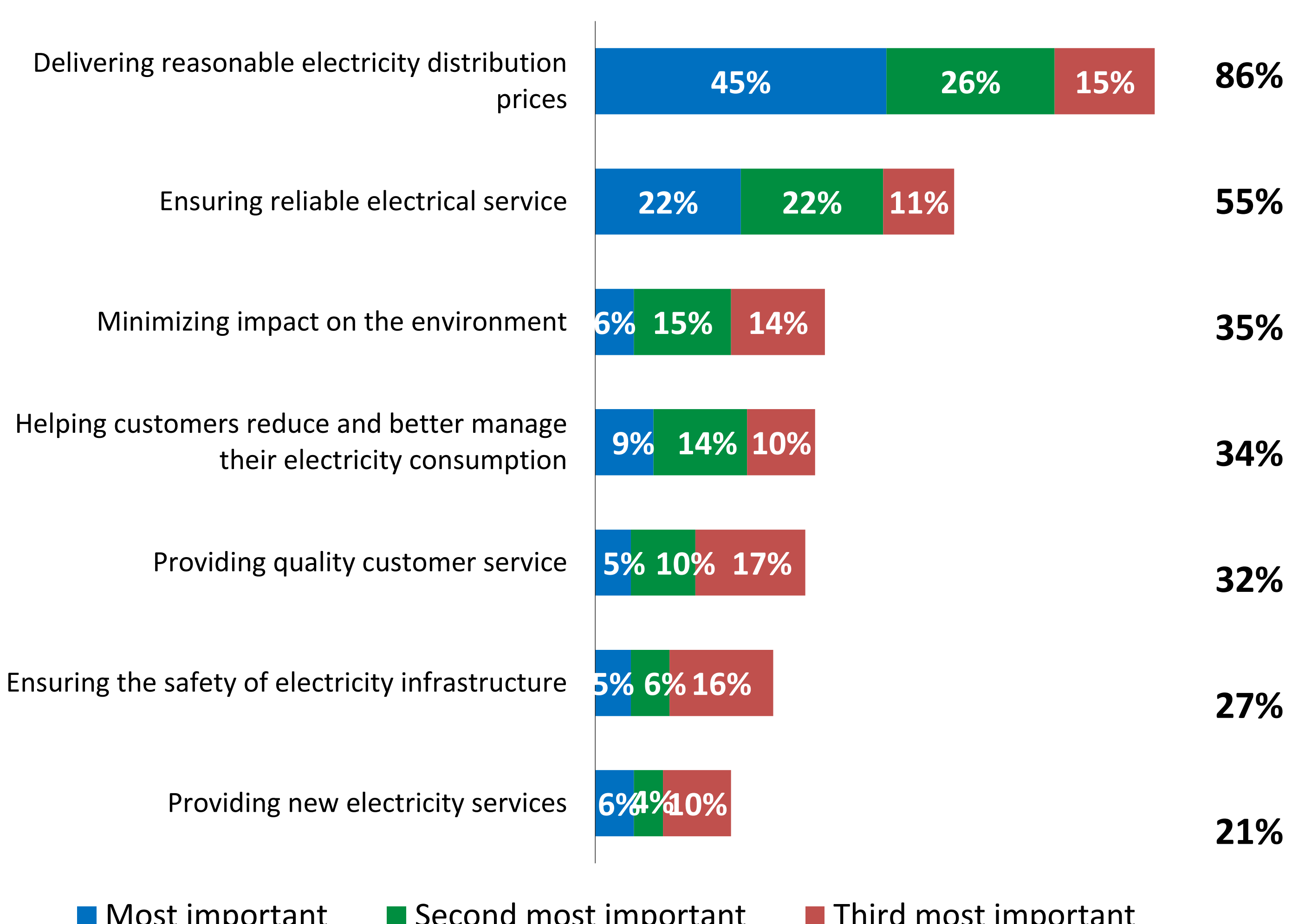
Small Business

Q Now lets talk about our second topic – outcomes. Enersource regularly holds discussions with its customers to better understand how it should set spending priorities with the money customers pay for service.

In recent conversations with customers, a number of company goals were identified as key priorities for Enersource.

Among the following Enersource priorities, please tell me which one is most important to you.

[asked all respondents, n=202, percentages are calculated based on the full sample]

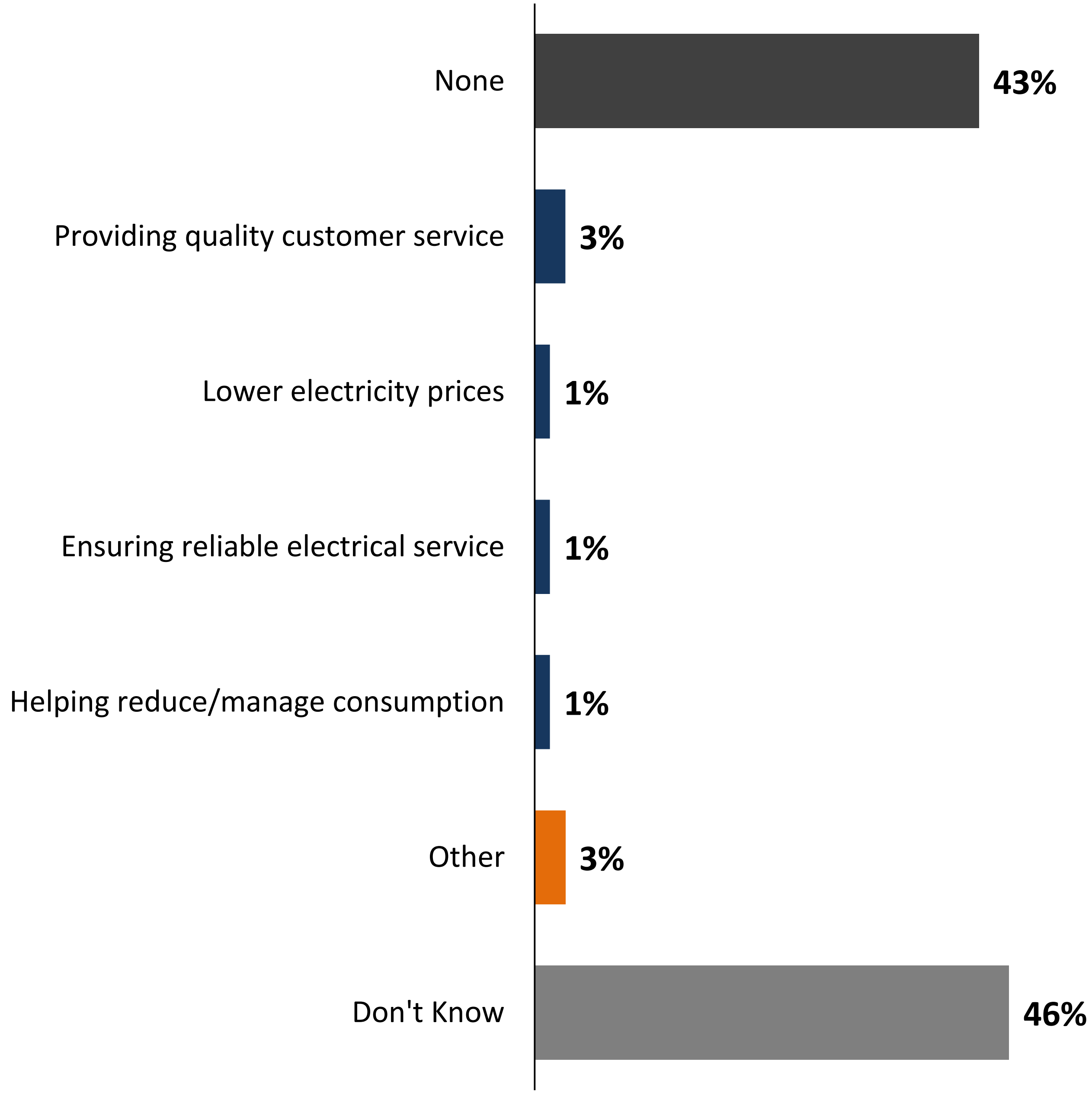


INNOVATIVE RESEARCH GROUP

Additional Priorities

Small Business

Q Are there any other important priorities that Enersource should be focusing on that weren't included in the previous list I read to you?
[asked all respondents, n=202]



System Reliability

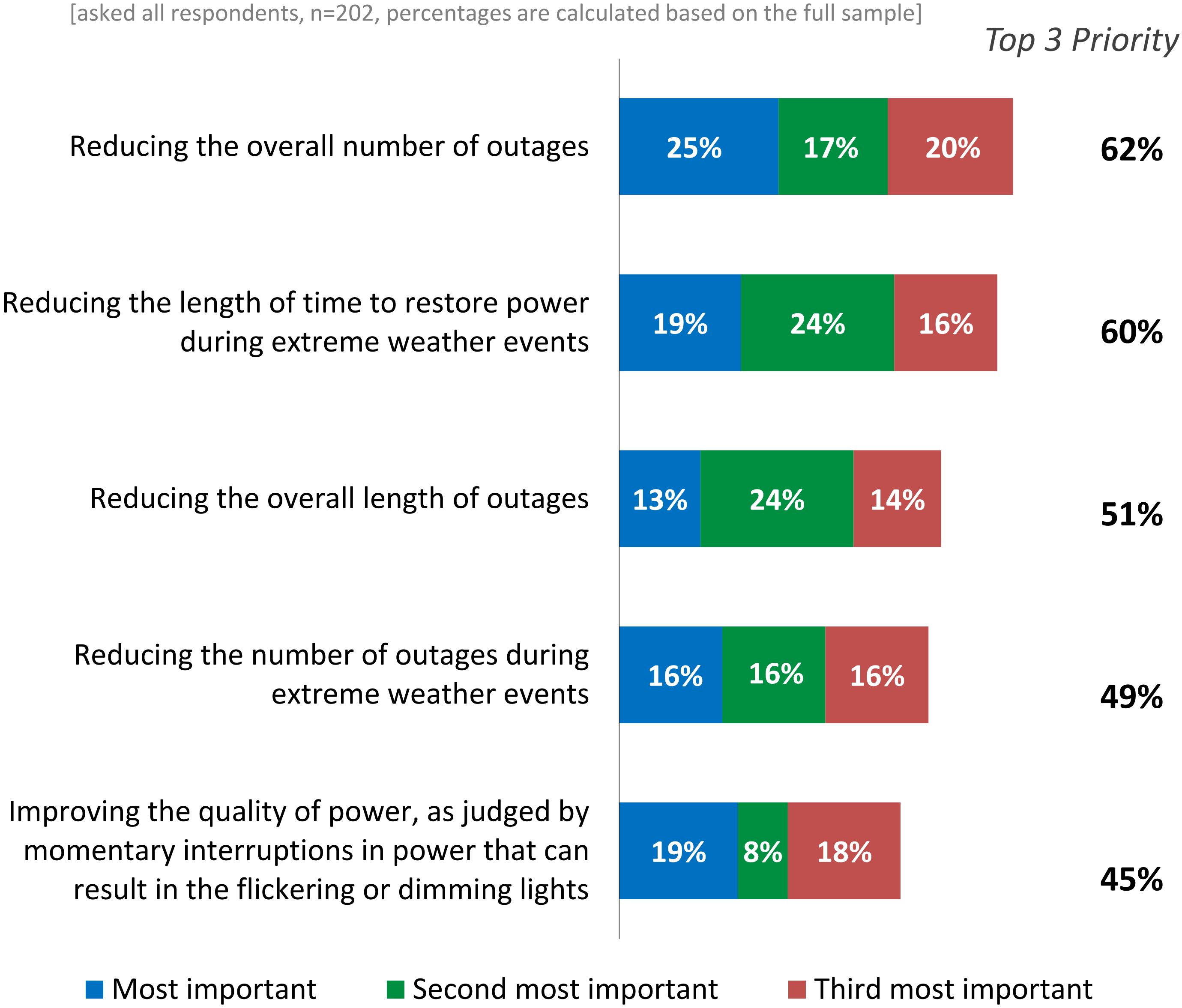
Small Business

Q We would like to understand your experience with reliability.

There are different outcomes when customers talk about power reliability.

Among the following reliability outcomes, please tell me which one is most important to you.

[asked all respondents, n=202, percentages are calculated based on the full sample]



INNOVATIVE RESEARCH GROUP

Familiarity with how Electricity Rates are Set

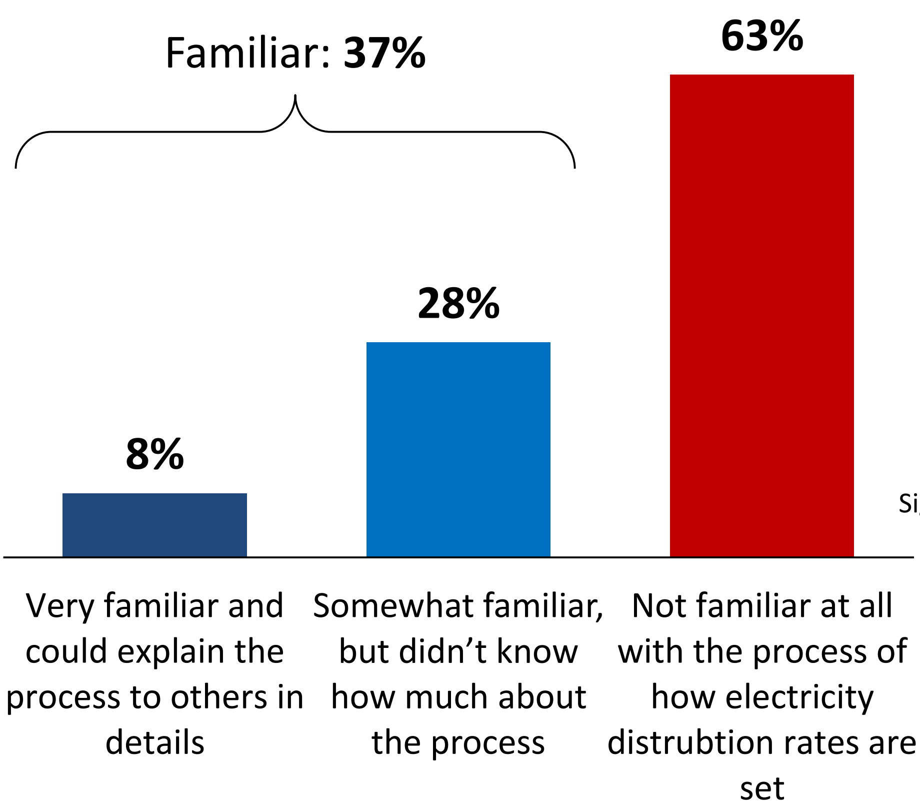
Small Business

Q *Now, lets turn to our third topic, investment trade-offs.* The electricity industry in Ontario is regulated by the Ontario Energy Board, otherwise known as the O-E-B. The OEB sets electricity rates in Ontario.

The OEB requires electricity distributors, such as Alectra Utilities, to develop its business plan and distribution system plan, as well as make spending and investment decisions based on customer feedback.

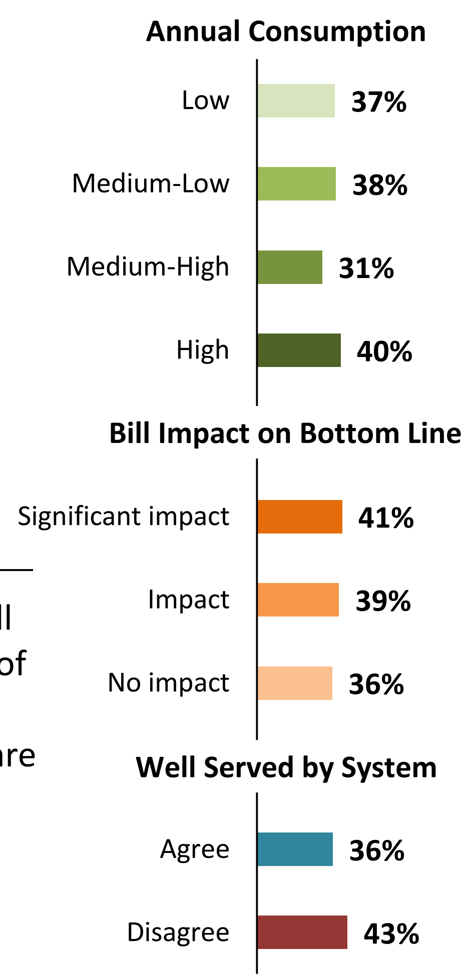
Electricity distributors are funded by the distribution rates paid by their customers. Periodically, distributors are required to file rate applications with the OEB to justify the amount of funding they need to safely and reliably distribute electricity to their customers.

Before this survey, how familiar were you with how electricity distribution rates are set in Ontario?
[asked all respondents, n=202]



Segmentation

*Those who say "**Familiar**":*



Investment Trade-Off Preamble

Small Business

"Alectra Utilities is now starting to create its first overall investment plan as a merged utility. The OEB divides electricity distributor investments into four categories. One category called system access includes investments that are mandatory under the distributor's licence to operate. These include reasonable costs to connect new customers and moving existing infrastructure to accommodate civic improvements.

The spending in the other three categories involves finding the right balance between the impact on your bill and the service you receive. We would now like ask a few questions about your preferences when it comes to finding the right balance between costs and other outcomes.

I want to start by asking you about system renewal, that is the projects that replace aging electrical infrastructure."

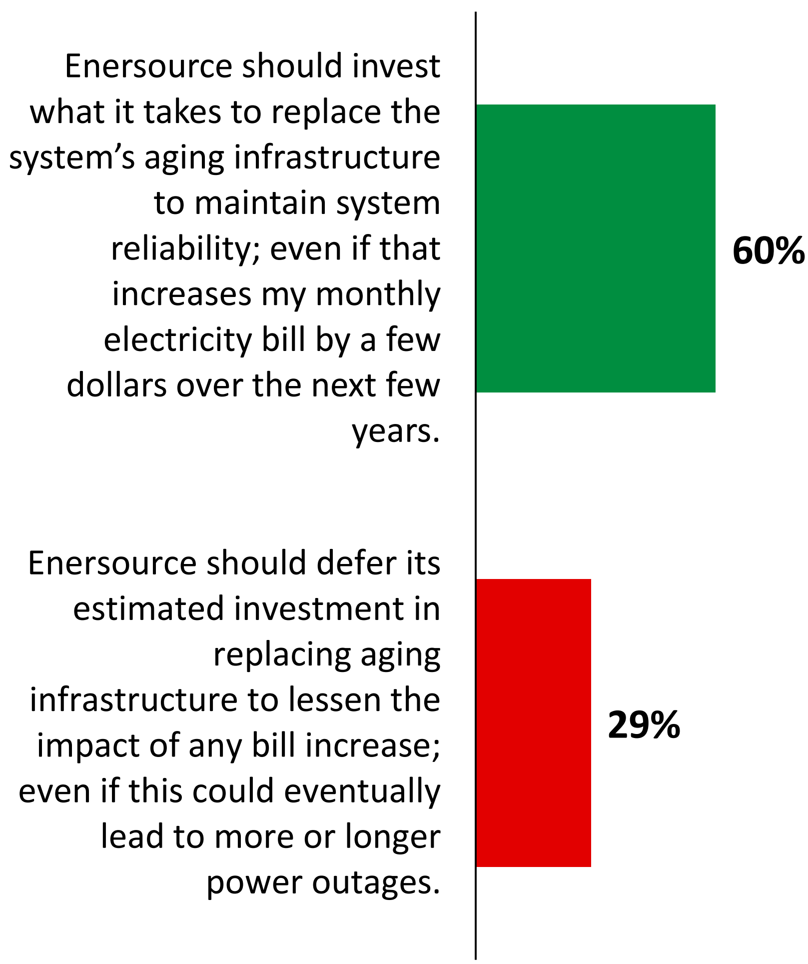
INNOVATIVE RESEARCH GROUP

Investments in Aging Infrastructure

Small Business

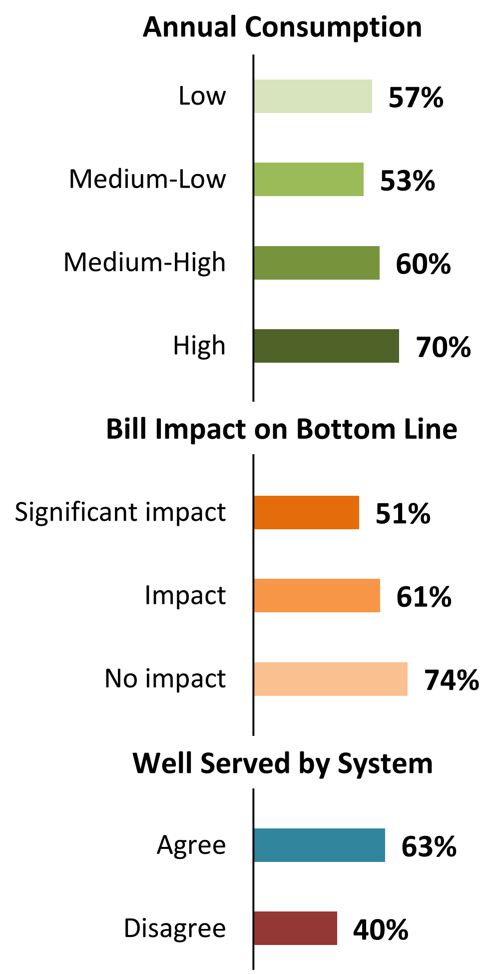
Q While Enersource works hard to prolong the life of the assets that make up Mississauga's distribution system, eventually these assets reach the end of their useful life and require replacement. Currently the average customer experiences 1.08 outages a year for an average of **35 minutes and 40 seconds**. When adjusted to remove outages due to loss of supply from the transmission system and major storms, 56% of unscheduled outages are as a result of equipment failure in the Enersource rate zone. However, it is not possible to predict exactly when a specific piece of aging equipment will fail. Enersource must decide the pace at which it replaces this aging equipment.

Which of the following statements best represents your point of view?
[asked all respondents, n=202]



Segmentation

*Those who say "**invest what it takes to maintain system reliability**":*



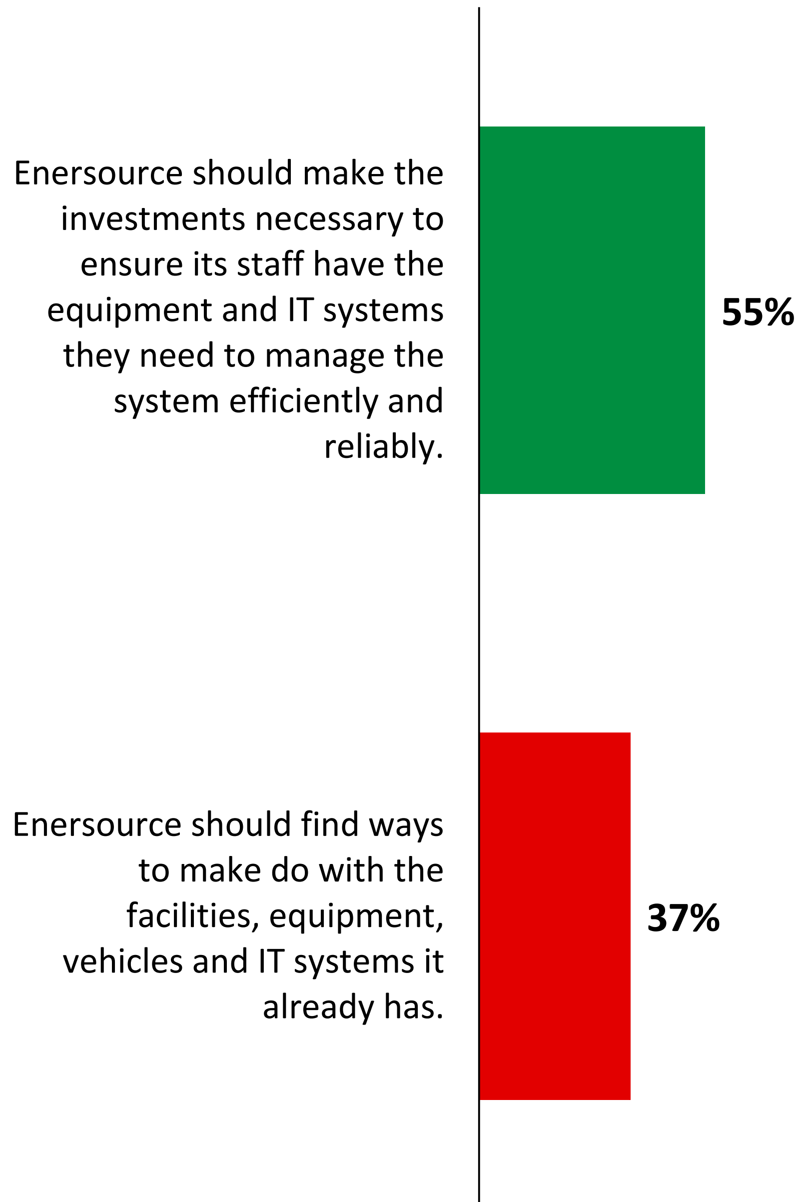
Note: 'Don't know' (7%), 'Refused' (4%) not shown.

General Plant Investments

Small Business

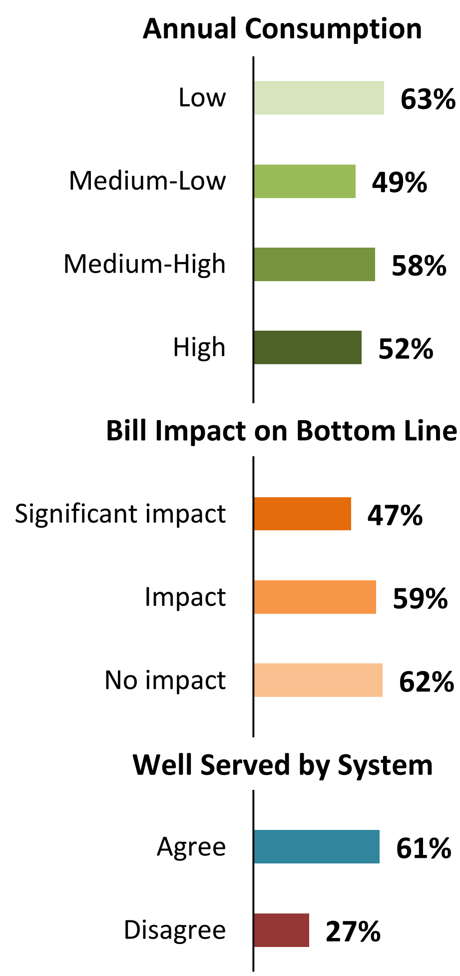
Q As a company, Enersource needs facilities to house staff and equipment, vehicles and tools to service electrical infrastructure, and IT systems to manage the distribution system and customer information..

Which of the following statements best represents your point of view?
[asked all respondents, n=202]



Segmentation

*Those who say "**make necessary investments**":*



Note: 'Don't know' (6%), 'Refused' (1%) not shown.

INNOVATIVE RESEARCH GROUP

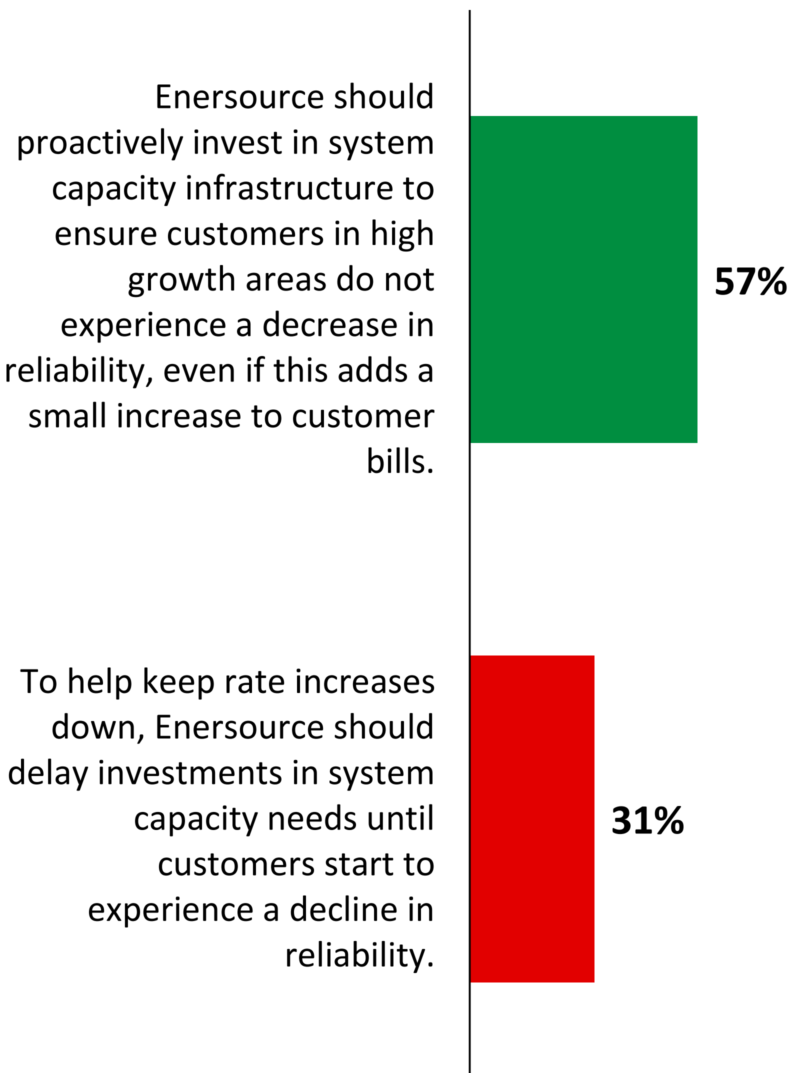
System Service Investments

Small Business

Q With growth in various parts of Mississauga comes greater demand for electricity. This increased demand for electricity puts increased pressure on the existing electrical infrastructure. Eventually, further infrastructure investments will be required to support increased demand for electricity.

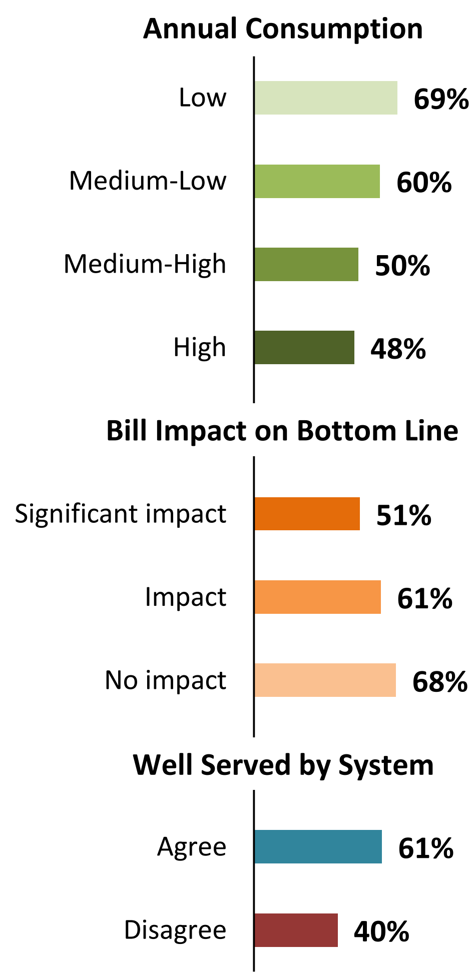
With this in mind, which of the following statements best represents your point of view?

[asked all respondents, n=202]



Segmentation

*Those who say "**proactively invest in system capacity**":*



INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (7%), 'Refused' (5%) not shown.

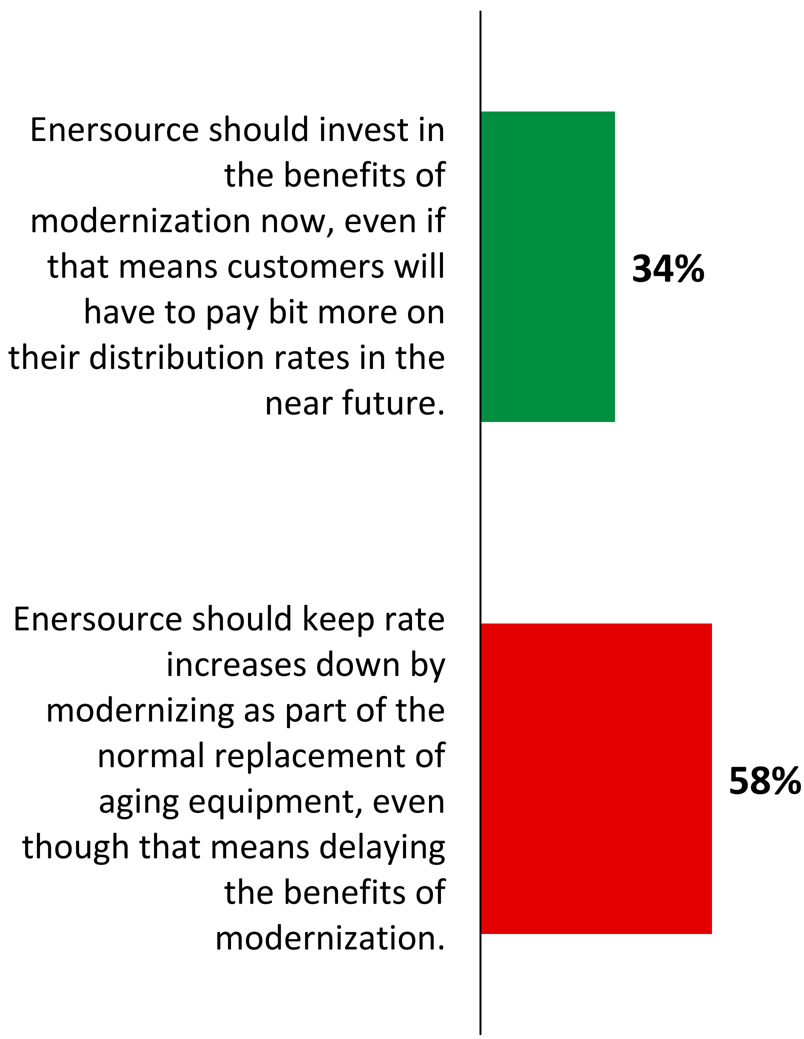
Modernizing the Distribution System

Small Business

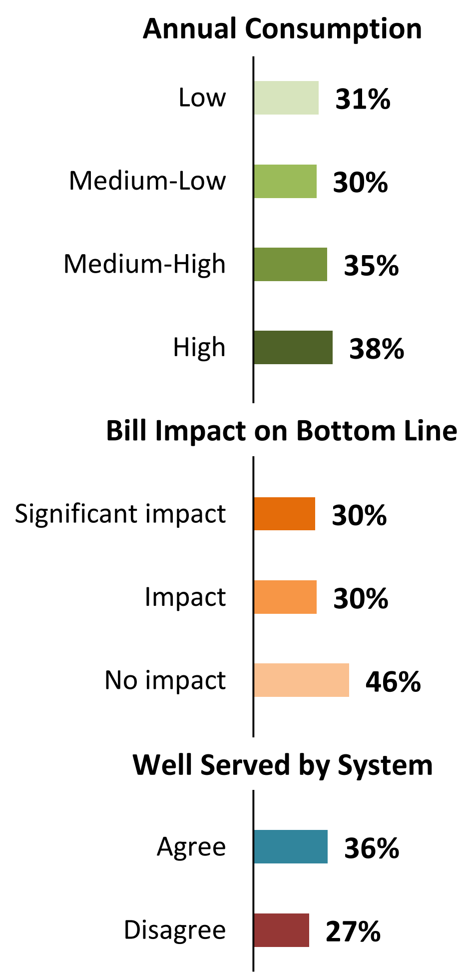
Q There are new technologies that Enersource can implement such as microgrids, electricity storage, and automatic switches that can give customers more choices, improve reliability or reduce the impact on the environment.

These investments would create a better grid, but are not required to maintain the reliability that you experience today.

Which of the following statements best represent your point of view?
[asked all respondents, n=202]



Segmentation
*Those who say "**invest in modernization now**":*



Note: 'Don't know' (6%), 'Refused' (2%) not shown.

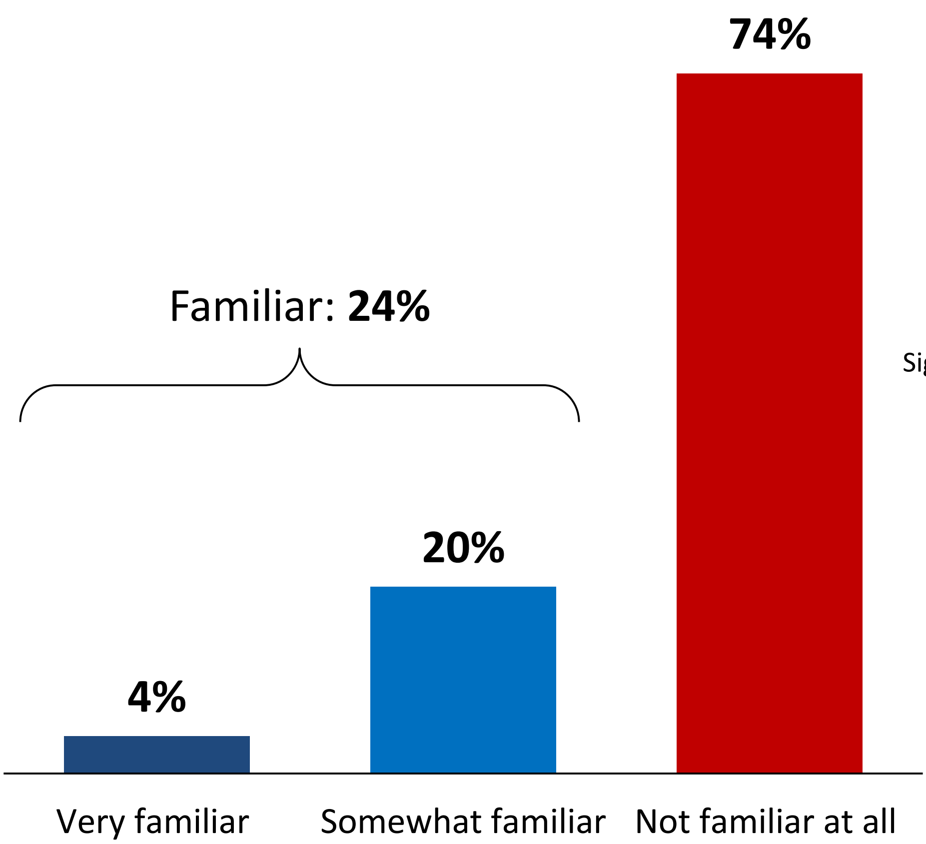
INNOVATIVE RESEARCH GROUP

Familiarity with OEB "Cost Saving" Requirements

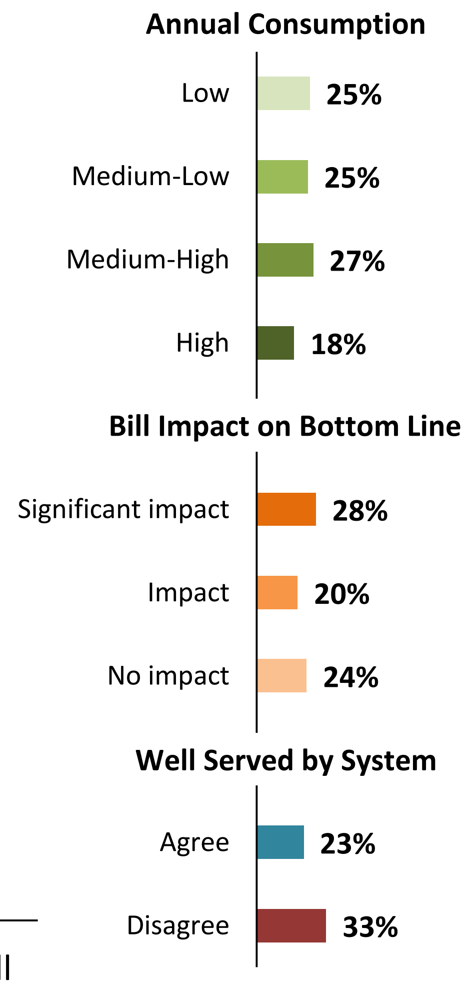
Small Business

Q As we mentioned earlier, the rates you pay to Enersource are set by the OEB through a public process. Enersource's current rates were approved in a 2013 application and will be in place until 2027. Each year Enersource is permitted to increase rates to reflect inflation minus savings targets established by the OEB which requires Enersource to keep cost increases below inflation.

Before this survey, how familiar were you with the OEB requirement for Enersource to find savings every year?
[asked all respondents, n=202]



Segmentation ▶▶
*Those who say "**Familiar**":*



INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (2%) not shown.

ICM Rate Impact & Leaky Transformer Preamble

Small Business

"Now let's turn to our final topic – possible new projects. As part of the OEB policies, there is an option for Enersource to apply for additional rate increases for discrete projects that are prudent, needed and not supported by existing rates. Looking ahead to 2019, Enersource has identified two system renewal projects that need more investment than the existing budget allows. System renewal projects are a mix of replacing aging infrastructure and emergency repairs."

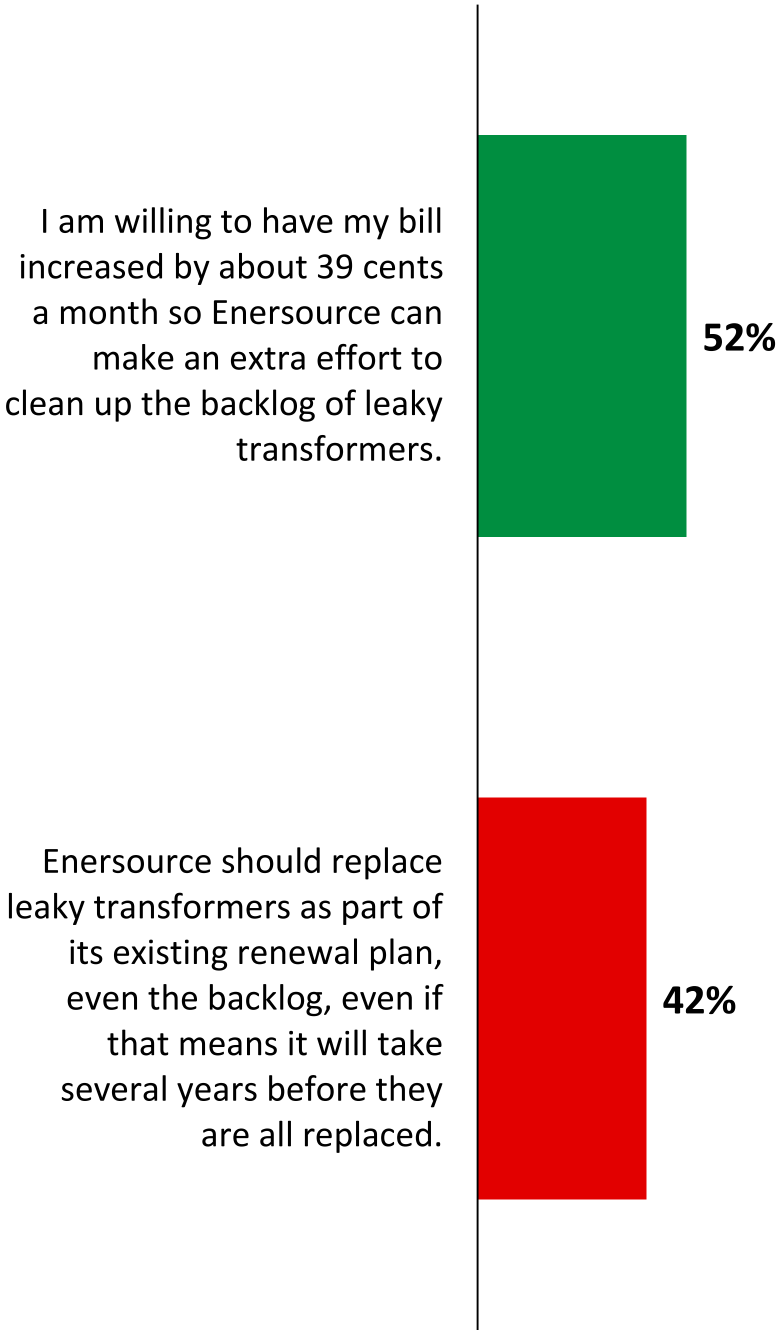
Leaky Transformers

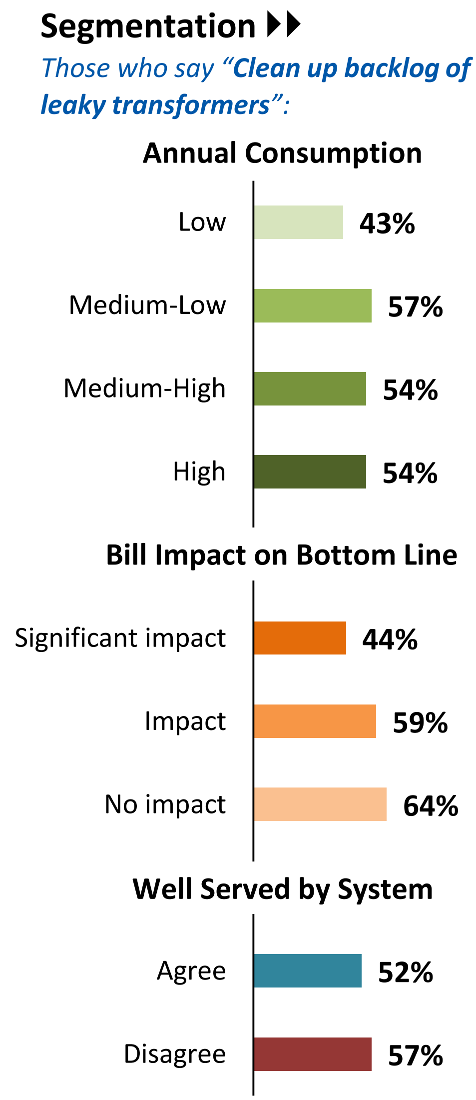
"One of these projects deals with leaky transformers. Enersource has 25,000 transformers which are used to reduce the voltage of electricity as it moves from major transmission lines to the lines going into homes and businesses. Earlier this decade, Enersource identified a backlog of almost 4,000 transformers that show signs of leaking. By the end of this year, over 3,000 of these transformers will have been replaced. However, that will still leave over 600 needing replacement."

Leaky Transformers

Small Business

Q Which of the following is closest to your point of view regarding Ensource's proposed transformer replacement program?
[asked all respondents, n=202]





INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (6%) not shown.

Rometown Overhead Preamble

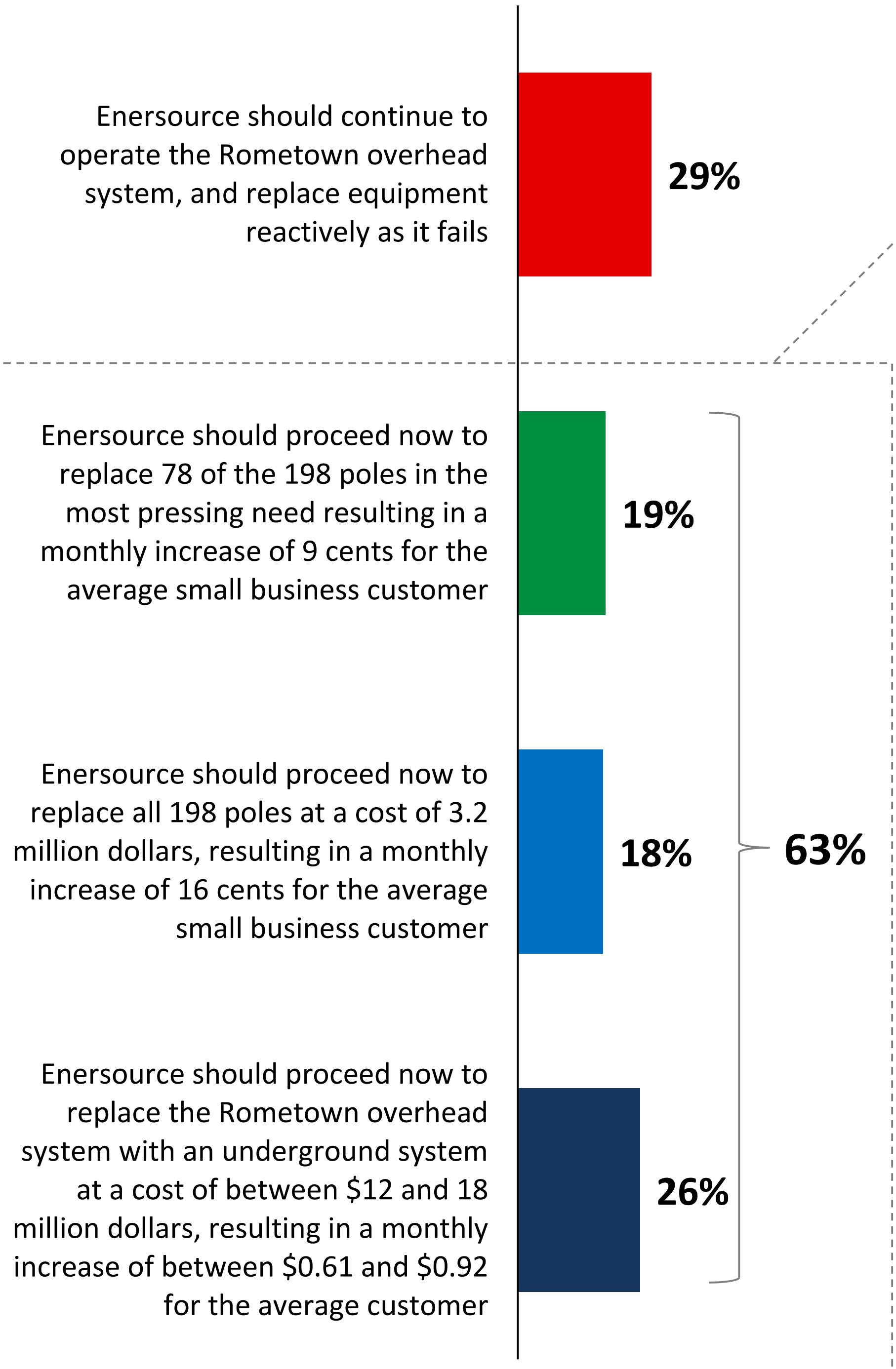
Small Business

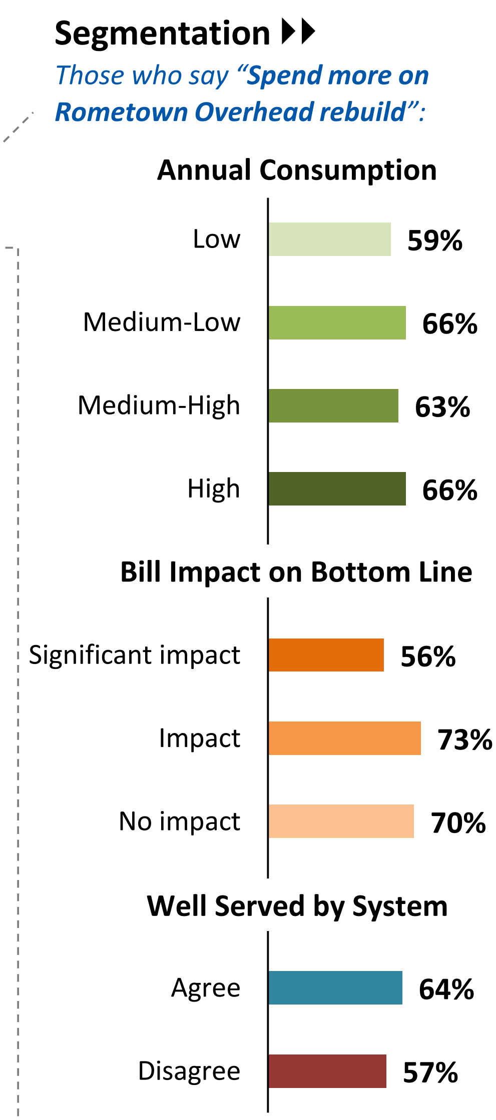
"Another proposed project addresses the Rometown area Overhead system. There are 198 poles in this particular system. 68 out of 198 have been flagged as poor while another 56 are seen to be in fair condition. A total of 78 have been flagged for urgent replacement. This network of poles uses older technologies that will be replaced when the system is eventually rebuilt, but any repairs done today will have to use the older technology. It is more efficient to replace all the poles at once than to replace them one at a time but it costs less in the short run only to replace the poles most in need of repair."

Rometown Overhead

Small Business

Q Which of the following is closest to your point of view regarding Ensource's proposed Rometown Overhead system rebuild program?
[asked all respondents, n=202]





INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (8%) not shown.

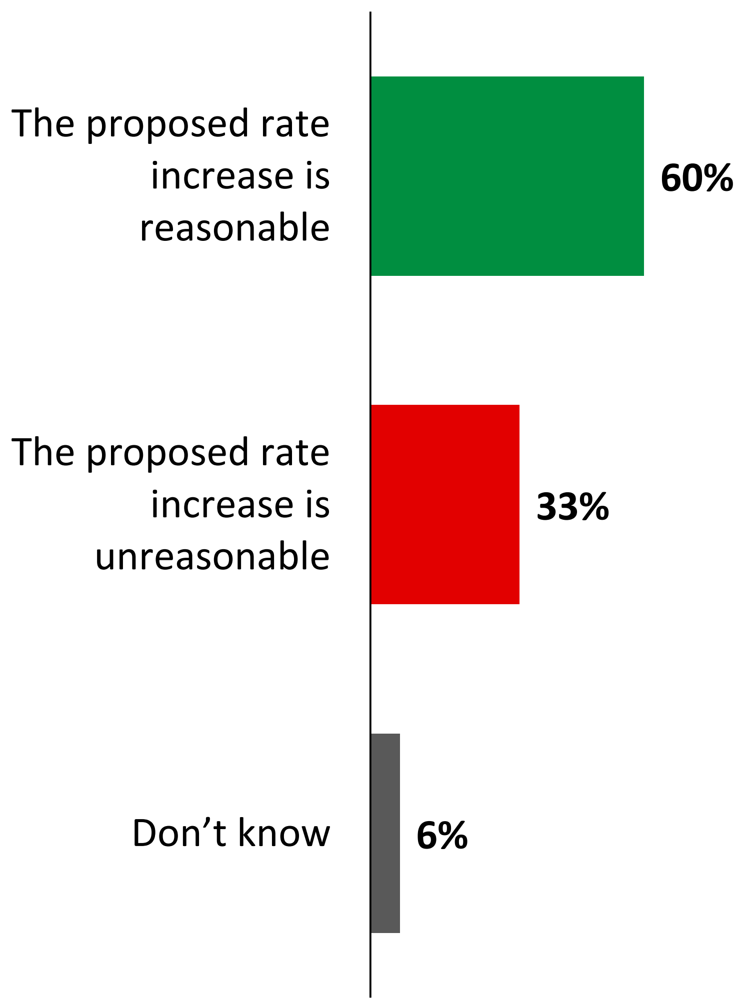
Opinion of Proposed ICM Rate Impact

Small Business

Q As I mentioned earlier, each year Enersource is permitted to increase rates to reflect inflation minus a stretch factor which requires Enersource to find savings to keep cost increases below inflation. In order to reduce the backlog of leaking transformers and to replace the most high risk poles in the Rometown overhead system, Enersource would need to add a 48 cent charge to the typical small business customers monthly electricity bill, from 2019 to 2026.

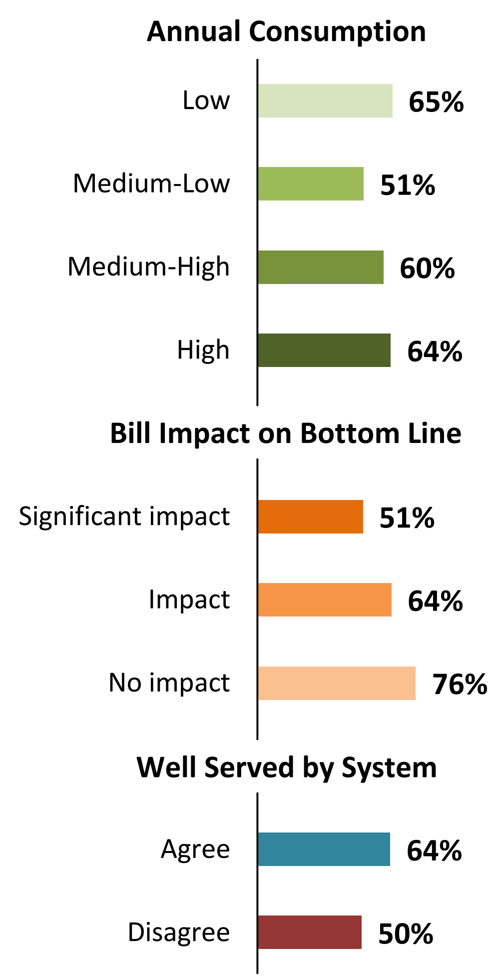
That would result in an annual increase of $5.76 each year over the course of the next eight years – *totalling $46.08 over that period.*

What is your opinion on this proposed rate increase in 2019?
[asked all respondents, n=202]



Segmentation

*Those who say "**Rate increase is reasonable**":*



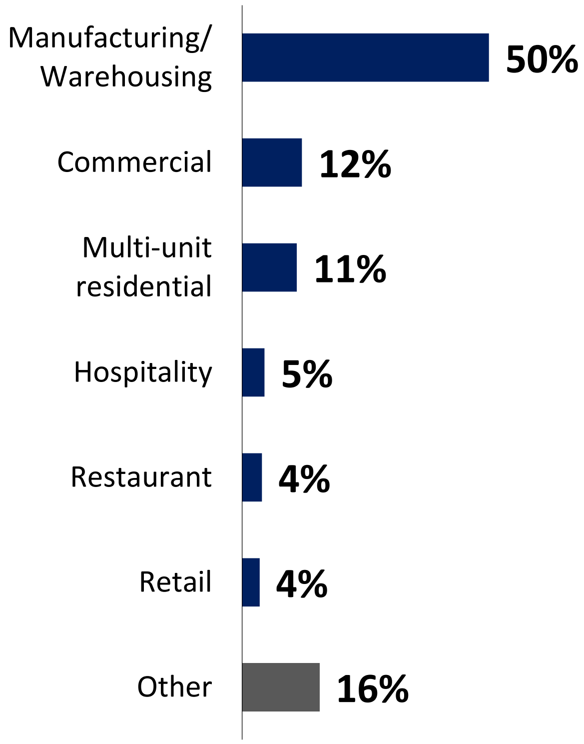
Note: 'Refused' (1%) not shown.

Mid-Sized Business Rate Class

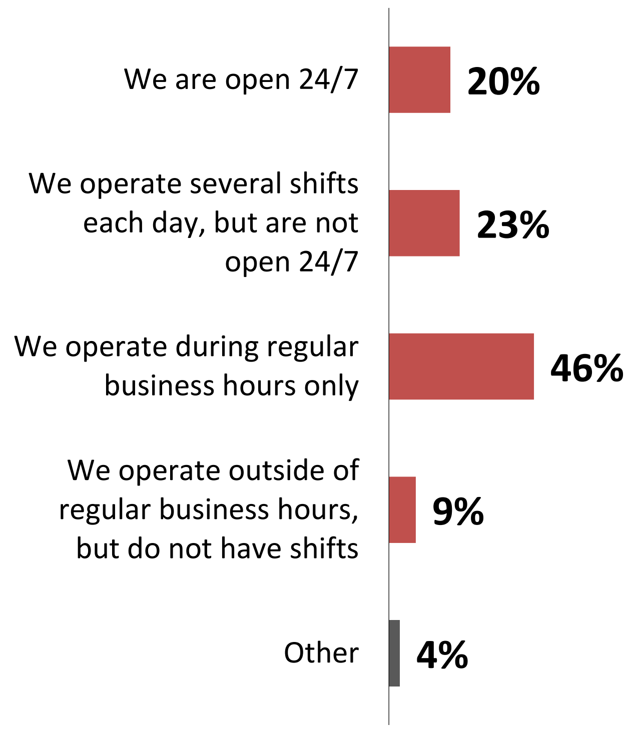
Segmentation & Firmographics

Mid-Sized Business

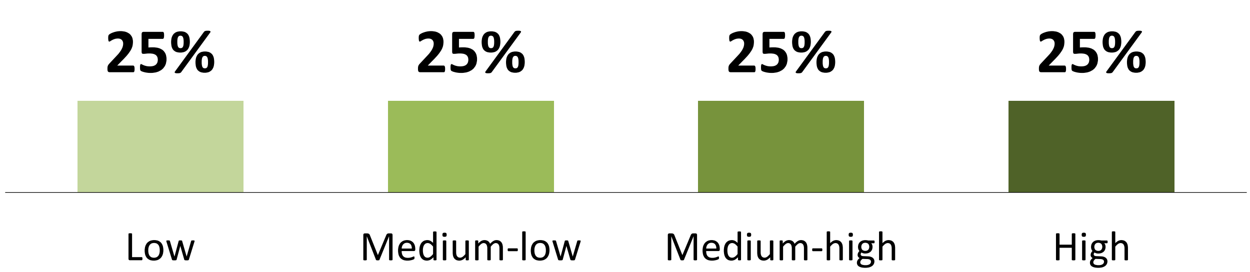
Sector



Hours of Operation



Annual Consumption

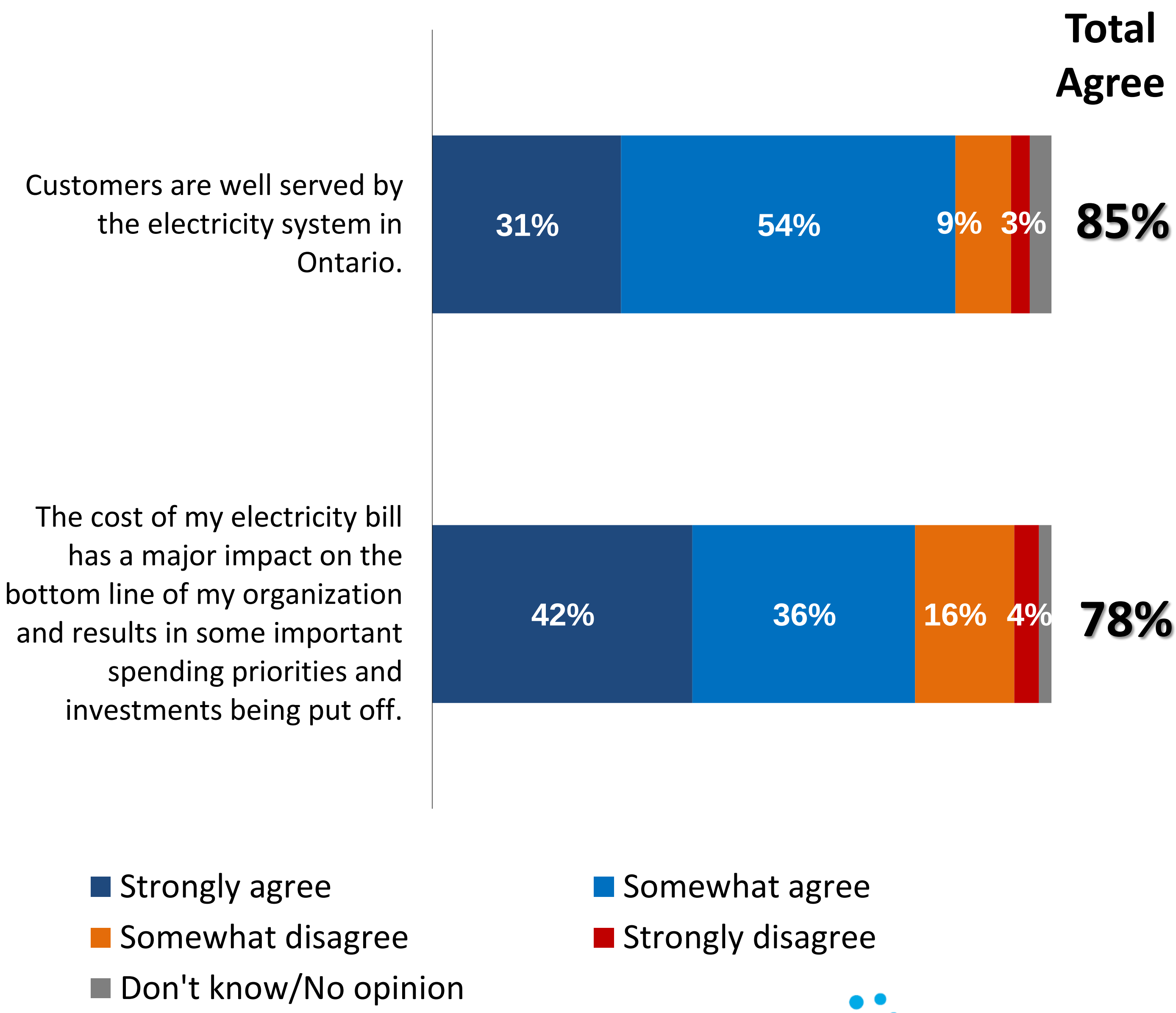


Segmentation & Firmographics

Mid-Sized Business

Q For each statement please tell me if you would strongly agree, somewhat agree, somewhat disagree or strongly disagree. If you don't know enough to say or don't have an opinion just let me know.

[asked all respondents, n=200]



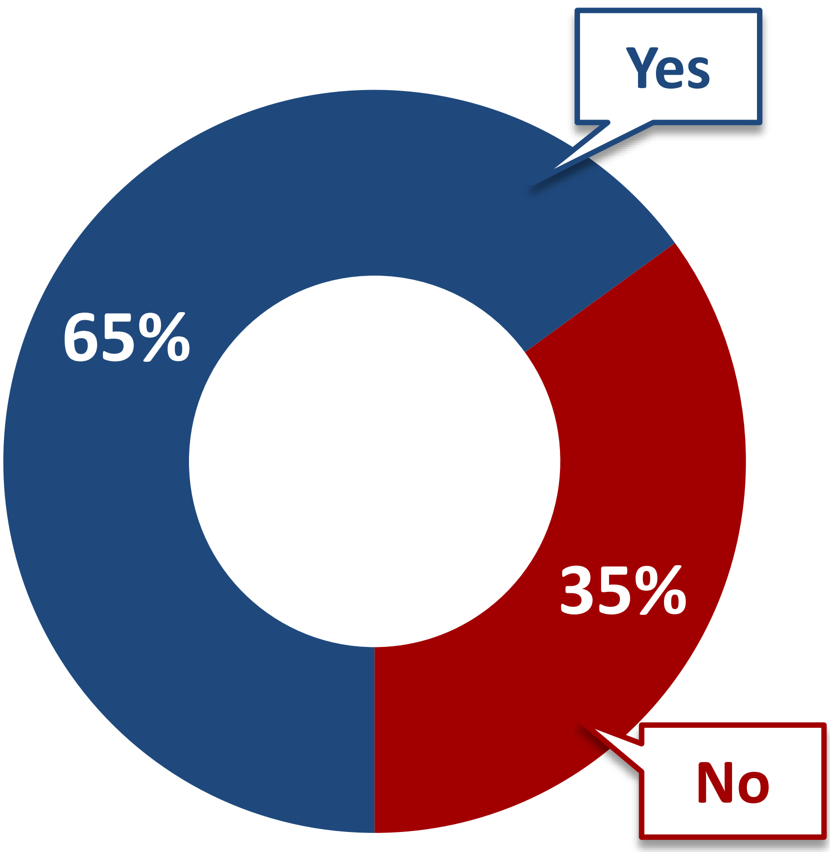
INNOVATIVE RESEARCH GROUP

Awareness of Merger

Mid-Sized Business

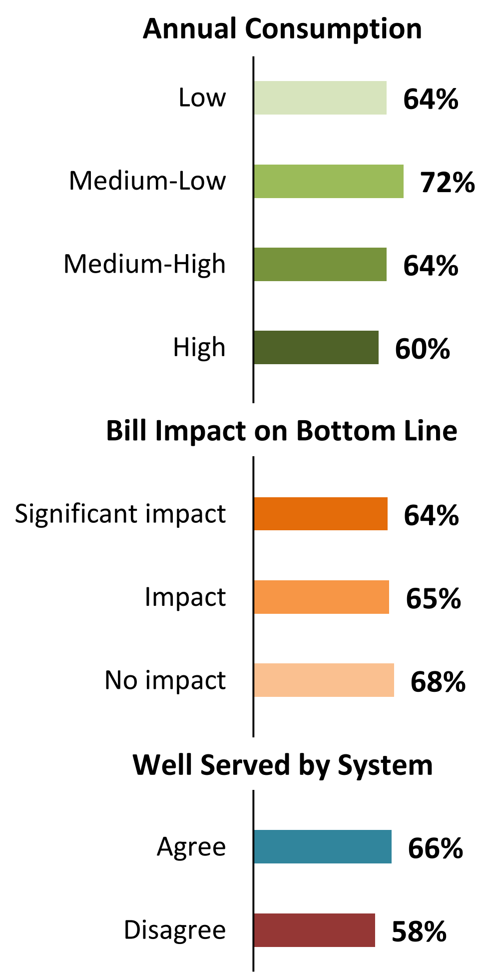
Q You may have recently heard that Enersource has merged with neighbouring electricity distributors to form a new company called Alectra Utilities.

Had you heard of the Alectra Utilities merger before this survey?
[asked all respondents, n=200]



Segmentation

*Those who say "**Heard of merger**":*



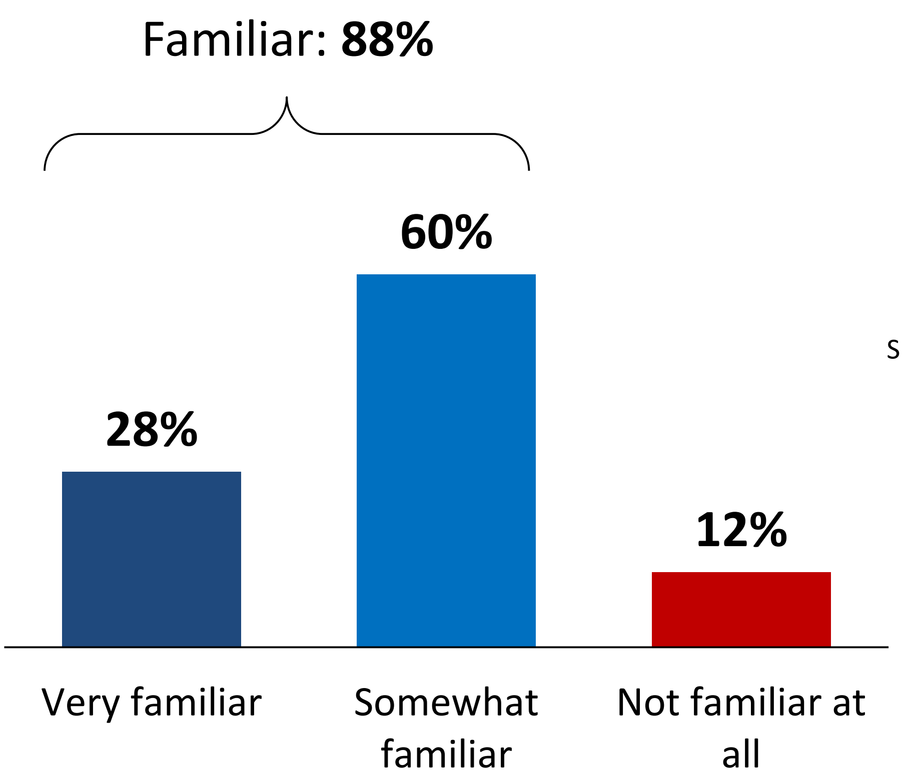
INNOVATIVE RESEARCH GROUP

Familiarity with Enersource

Mid-Sized Business

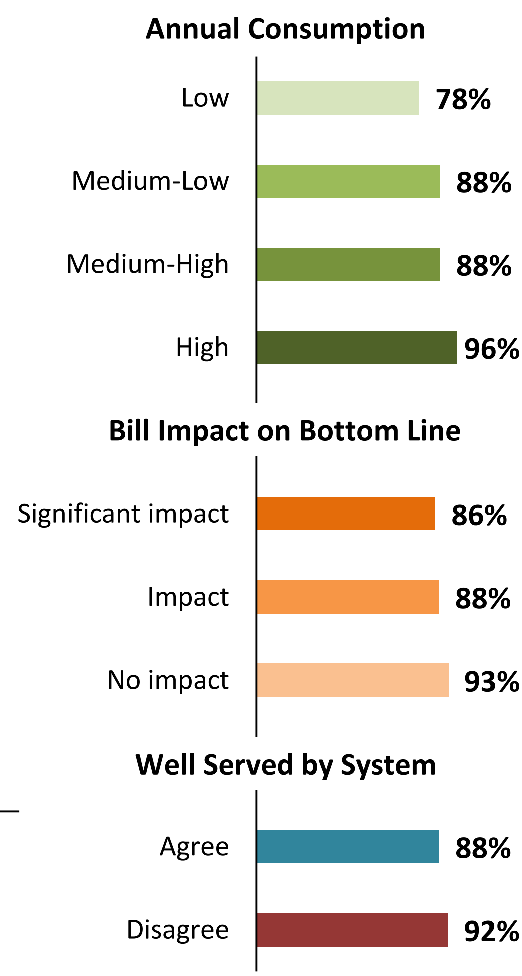
Q First, let's talk about your experience. As you may know, Enersource operates and maintains the local electricity distribution system in Mississauga. This is the system that takes the electricity from provincial transmission lines and brings it to your home through a network of wires, poles and other equipment that is owned and operated by Enersource.

How familiar are you with Enersource?
[asked all respondents, n=200]



Segmentation

*Those who say "**Familiar**":*



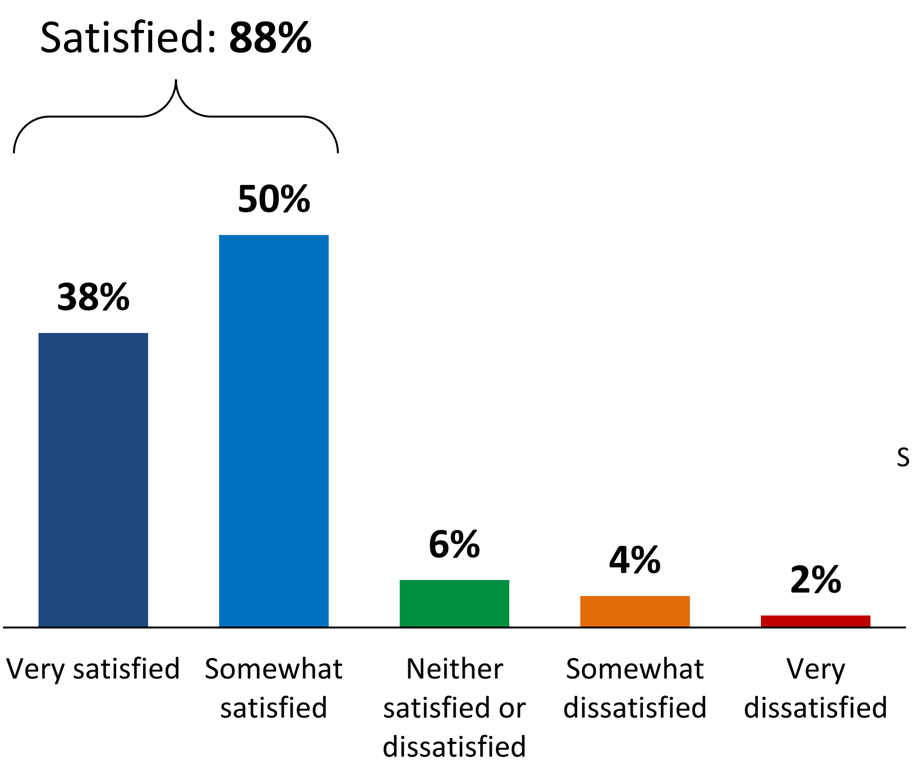
INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (1%) not shown.

Satisfaction with Services

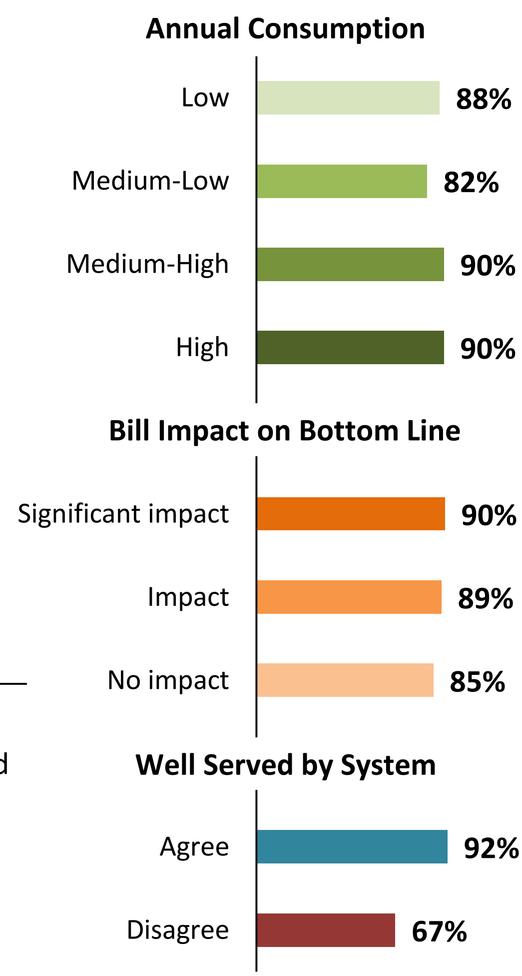
Mid-Sized Business

Q In general, how satisfied or dissatisfied are you with the services your organization receives from Enersource? Would you say you are very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied?
[asked all respondents, n=200]



Segmentation ▶▶

*Those who say "**Satisfied**":*

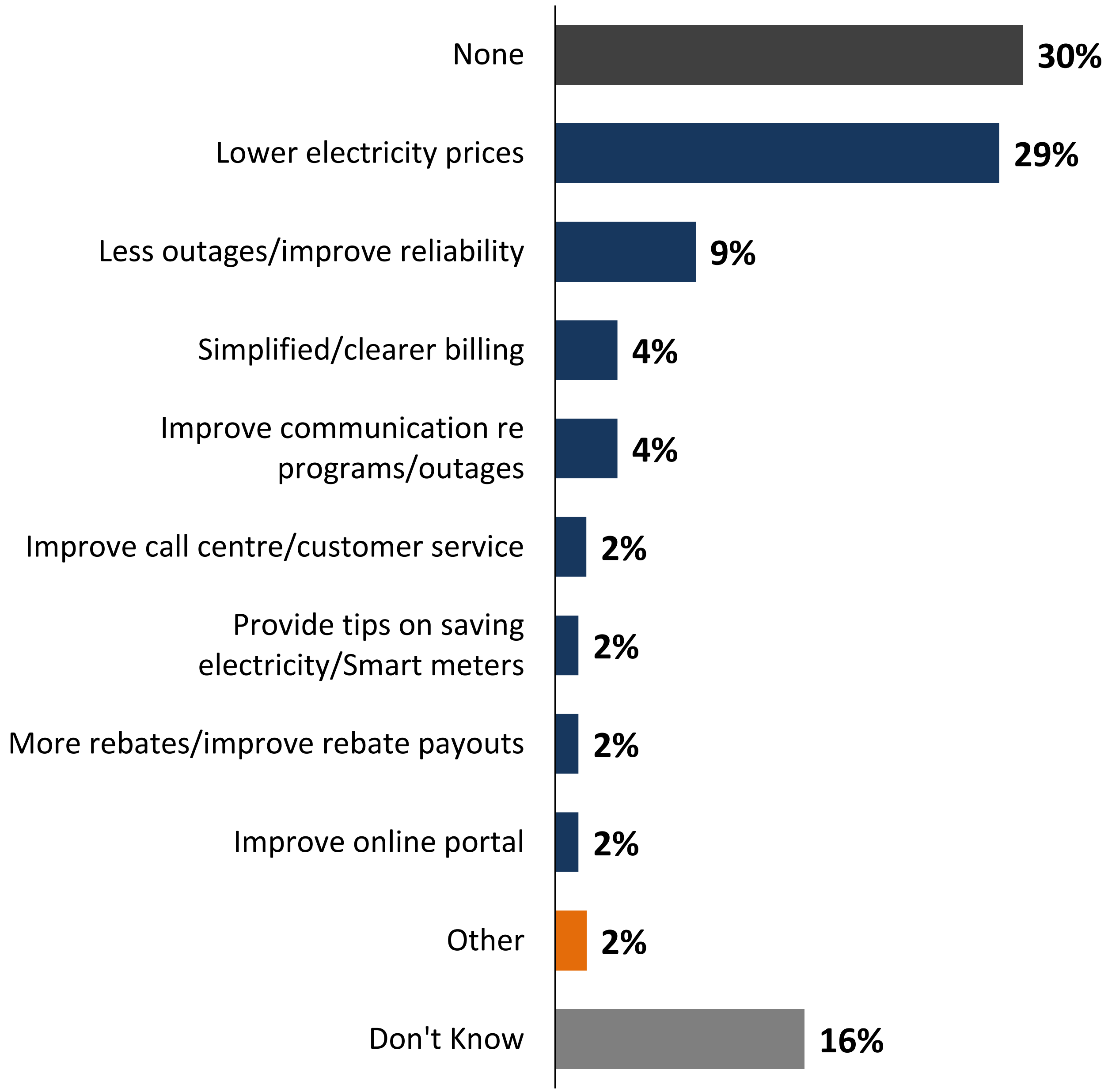


Note: 'Don't know' (1%) not shown.

Suggestions for Improvements

Mid-Sized Business

Q Is there anything in particular Enersource can do to improve its service to your organization?
[asked all respondents, n=200]



INNOVATIVE RESEARCH GROUP

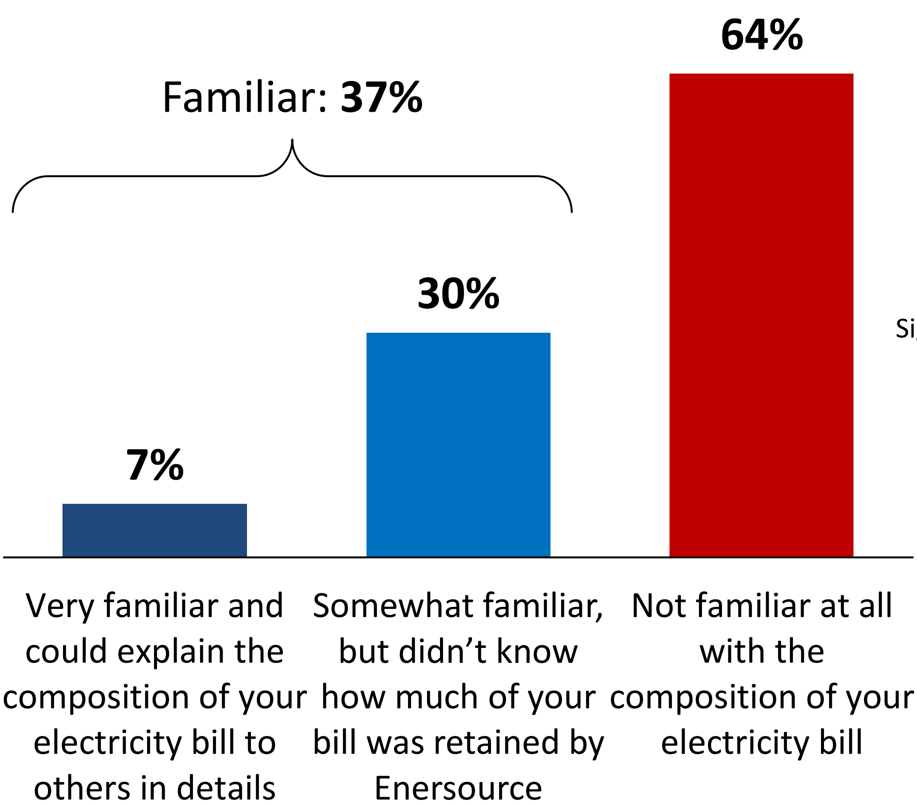
Familiarity with Amount of Electricity Bill Remitted

Mid-Sized Business

Q I'd now like to talk with you about your electricity bill … While Enersource is responsible for collecting payment for the entire electricity bill, they retain about 8% of the typical mid-sized business customer's bill. This is about $1,294.51 on an average $16,862.84 monthly mid-sized business electricity bill. The rest of the bill goes to power generation companies, transmission companies, the provincial government and regulatory agencies.

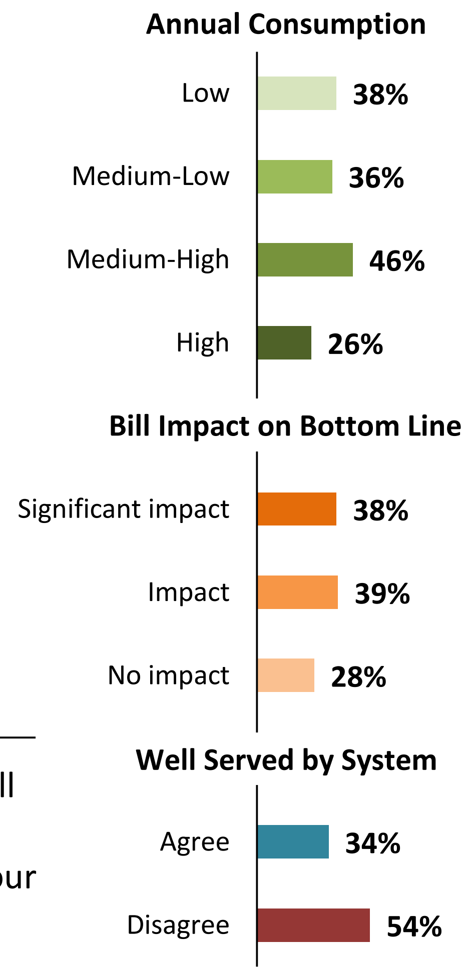
Before this survey, how familiar were you with the percentage of your organization's electricity bill that is retained by Enersource?

[asked all respondents, n=200]



Segmentation

*Those who say "**Familiar**":*



INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (1%) not shown.

Customer Priorities

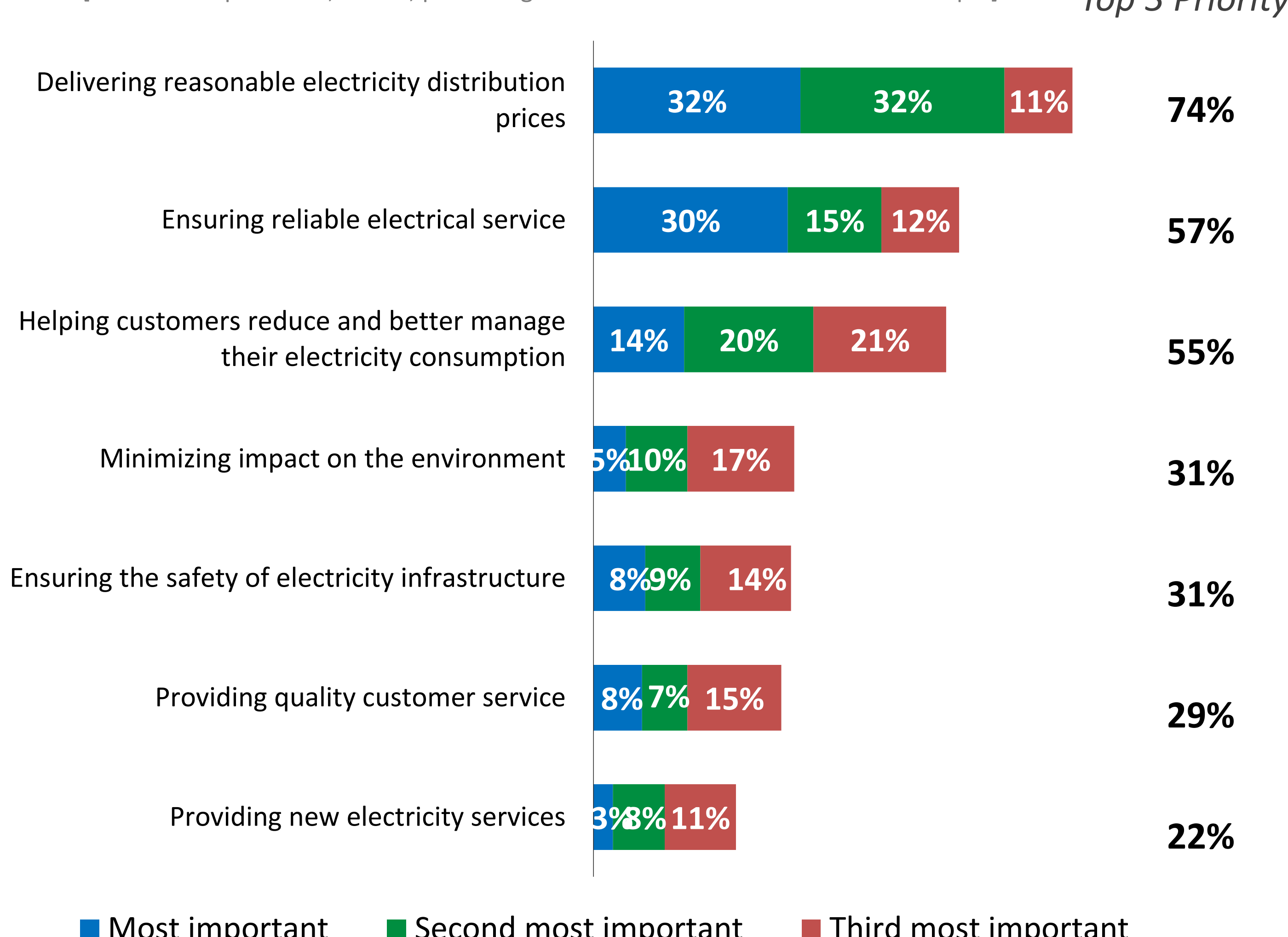
Mid-Sized Business

Q Now lets talk about our second topic – outcomes. Enersource regularly holds discussions with its customers to better understand how it should set spending priorities with the money customers pay for service.

In recent conversations with customers, a number of company goals were identified as key priorities for Enersource.

Among the following Enersource priorities, please tell me which one is most important to you.

[asked all respondents, n=200, percentages are calculated based on the full sample]

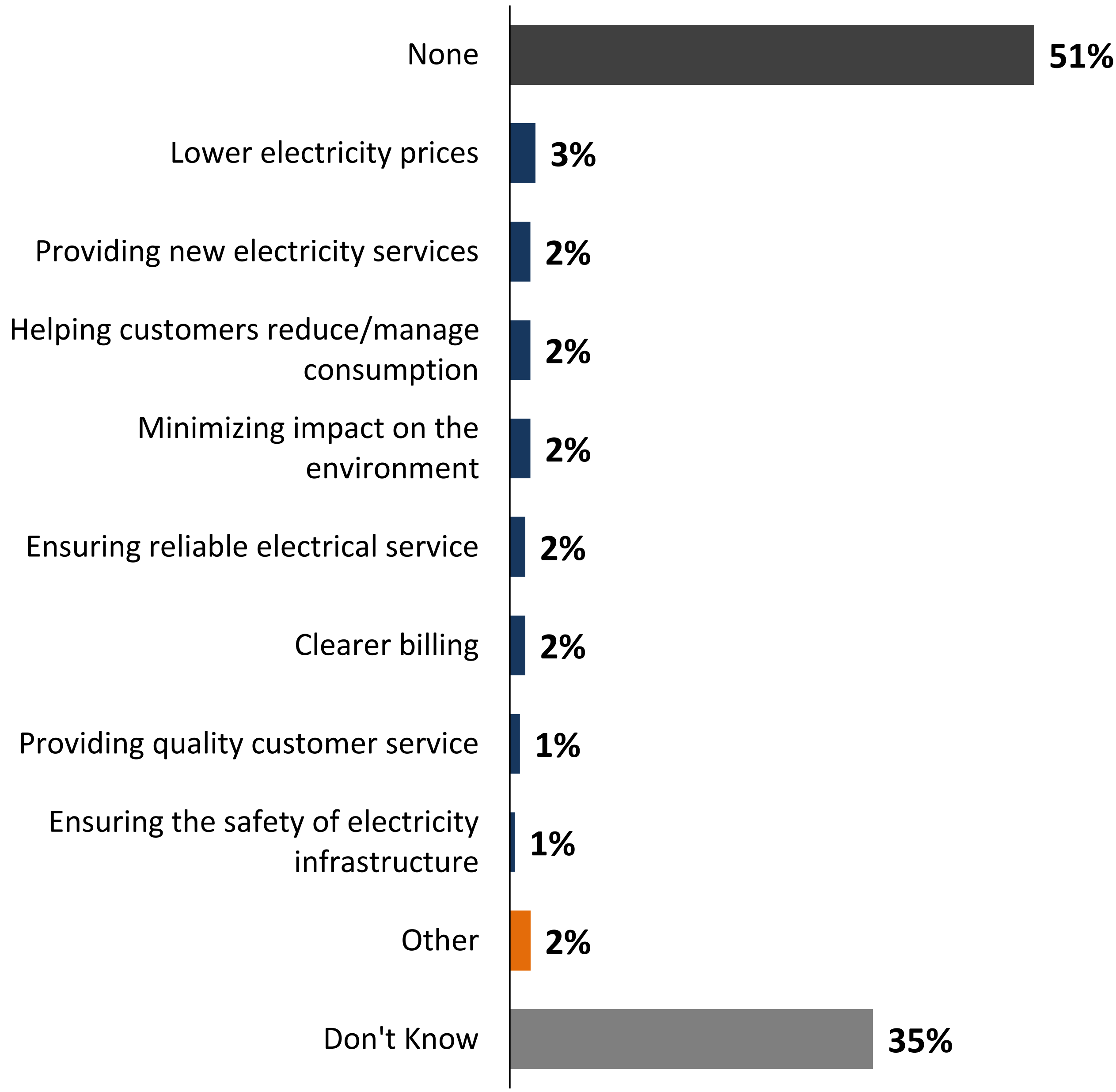


INNOVATIVE RESEARCH GROUP

Additional Priorities

Mid-Sized Business

Q Are there any other important priorities that Enersource should be focusing on that weren't included in the previous list I read to you?
[asked all respondents, n=200]



INNOVATIVE RESEARCH GROUP

System Reliability

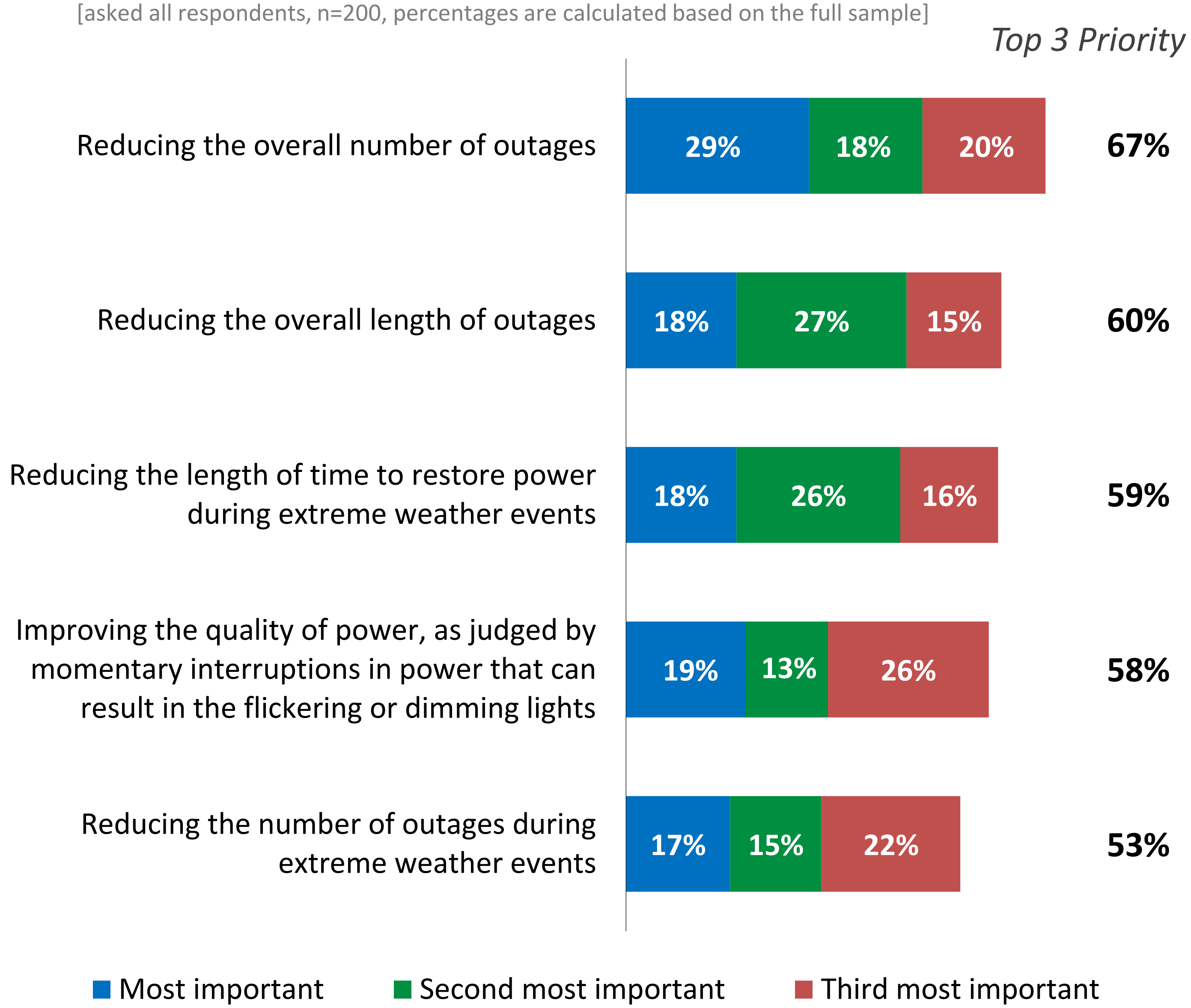
Mid-Sized Business

Q We would like to understand your experience with reliability.

There are different outcomes when customers talk about power reliability.

Among the following reliability outcomes, please tell me which one is most important to you.

[asked all respondents, n=200, percentages are calculated based on the full sample]



INNOVATIVE RESEARCH GROUP

Familiarity with how Electricity Rates are Set

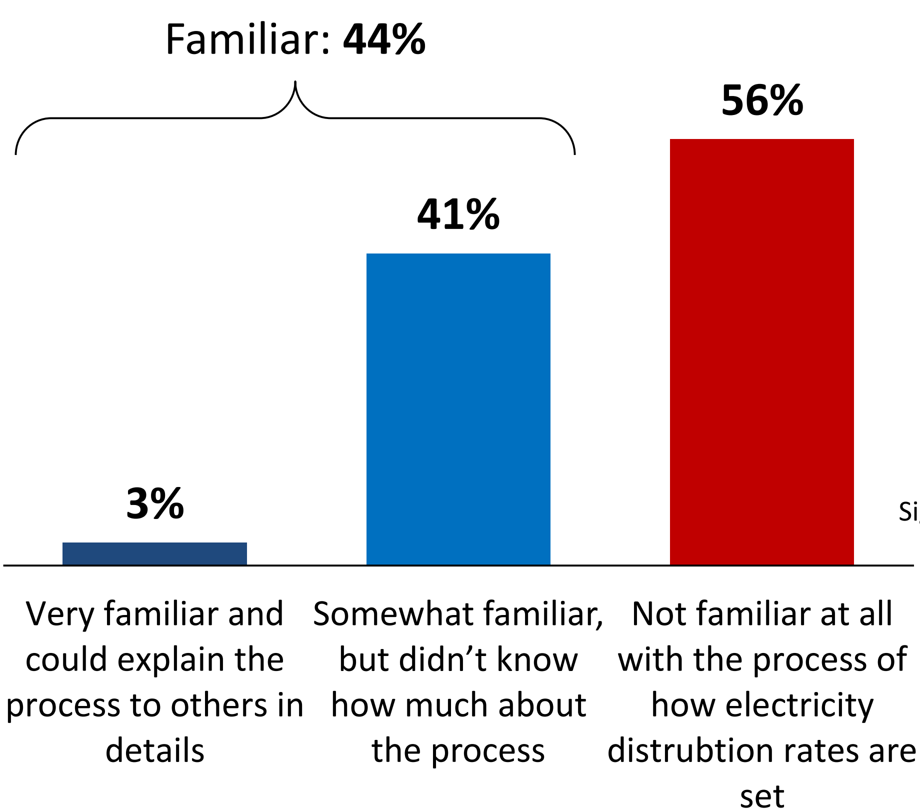
Mid-Sized Business

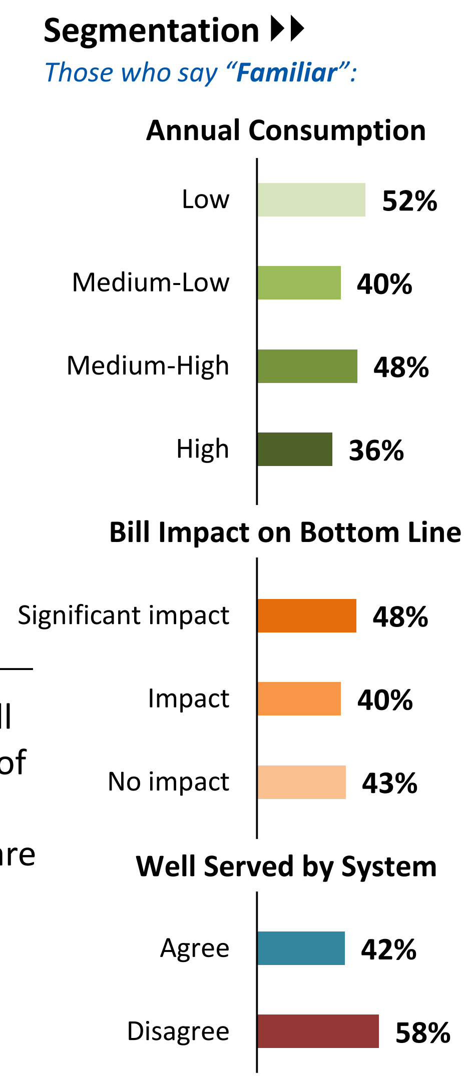
Q *Now, lets turn to our third topic, investment trade-offs.* The electricity industry in Ontario is regulated by the Ontario Energy Board, otherwise known as the O-E-B. The OEB sets electricity rates in Ontario.

The OEB requires electricity distributors, such as Alectra Utilities, to develop its business plan and distribution system plan, as well as make spending and investment decisions based on customer feedback.

Electricity distributors are funded by the distribution rates paid by their customers. Periodically, distributors are required to file rate applications with the OEB to justify the amount of funding they need to safely and reliably distribute electricity to their customers.

Before this survey, how familiar were you with how electricity distribution rates are set in Ontario? [asked all respondents, n=200]





Investment Trade-Off Preamble

Mid-Sized Business

"Alectra Utilities is now starting to create its first overall investment plan as a merged utility. The OEB divides electricity distributor investments into four categories. One category called system access includes investments that are mandatory under the distributor's licence to operate. These include reasonable costs to connect new customers and moving existing infrastructure to accommodate civic improvements.

The spending in the other three categories involves finding the right balance between the impact on your bill and the service you receive. We would now like ask a few questions about your preferences when it comes to finding the right balance between costs and other outcomes.

I want to start by asking you about system renewal, that is the projects that replace aging electrical infrastructure."

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Investments in Aging Infrastructure

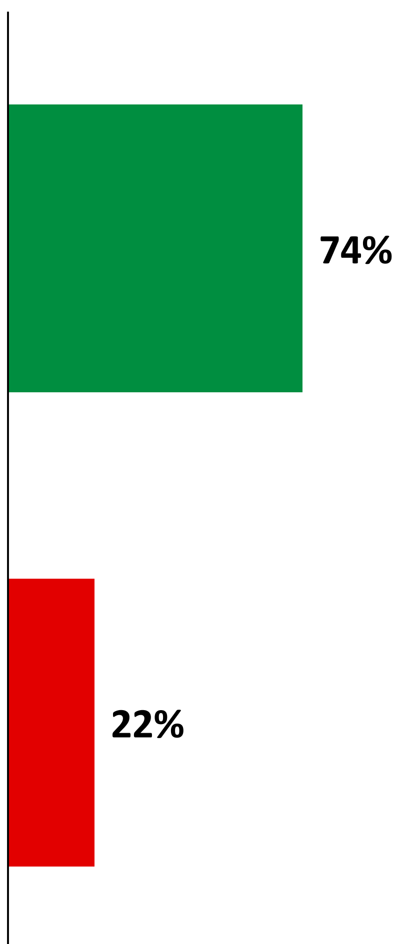
Mid-Sized Business

Q While Enersource works hard to prolong the life of the assets that make up Mississauga's distribution system, eventually these assets reach the end of their useful life and require replacement. Currently the average customer experiences 1.08 outages a year for an average of **35 minutes and 40 seconds**. When adjusted to remove outages due to loss of supply from the transmission system and major storms, 56% of unscheduled outages are as a result of equipment failure in the Enersource rate zone. However, it is not possible to predict exactly when a specific piece of aging equipment will fail. Enersource must decide the pace at which it replaces this aging equipment.

Which of the following statements best represents your point of view?
[asked all respondents, n=200]

Enersource should invest what it takes to replace the system's aging infrastructure to maintain system reliability; even if that increases my monthly electricity bill by a few dollars over the next few years.

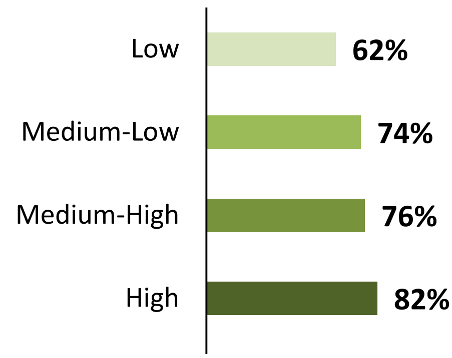
Enersource should defer its estimated investment in replacing aging infrastructure to lessen the impact of any bill increase; even if this could eventually lead to more or longer power outages.



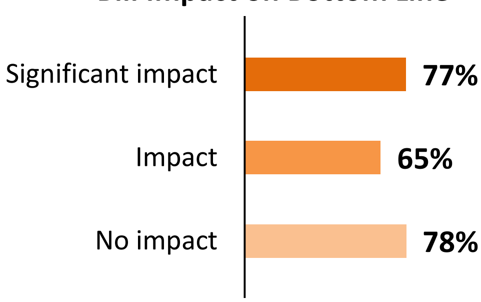
Segmentation ▶▶

*Those who say "**invest what it takes to maintain system reliability**":*

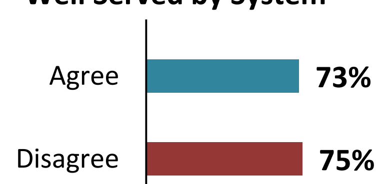
Annual Consumption



Bill Impact on Bottom Line



Well Served by System



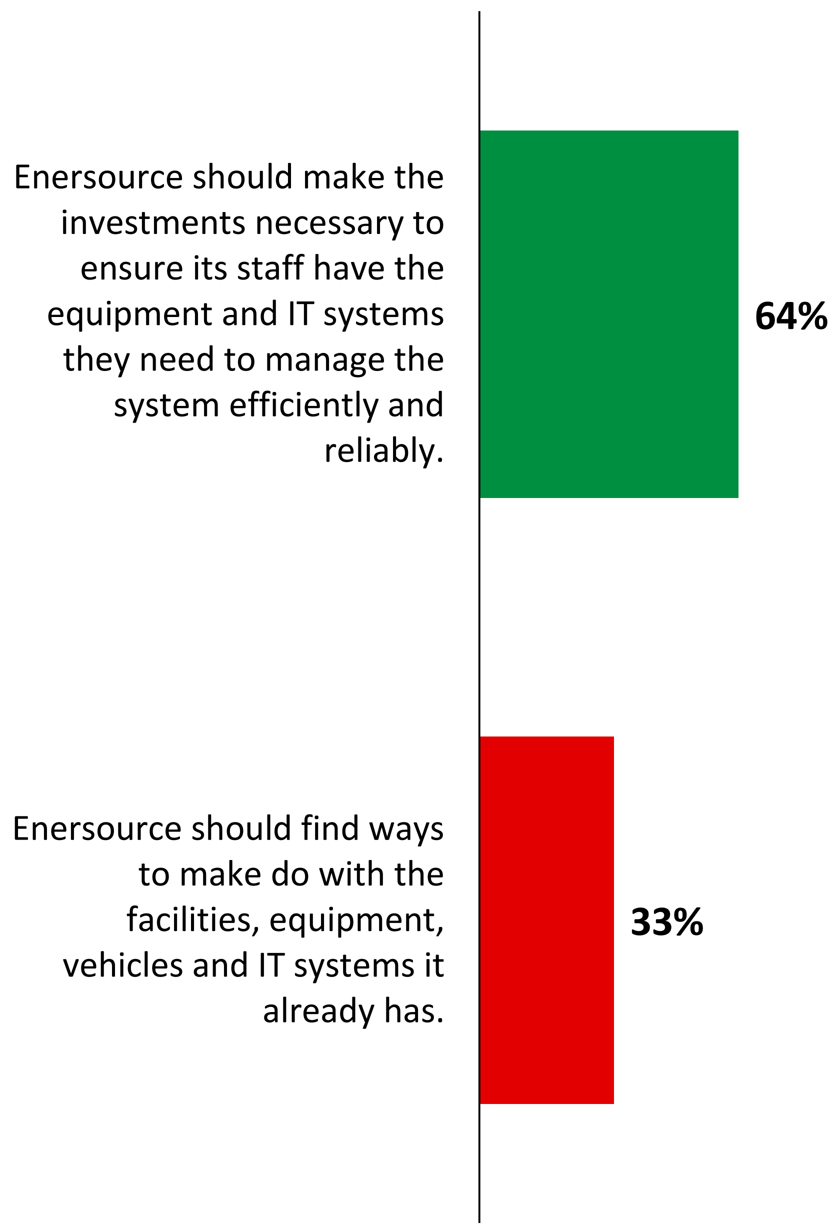
Note: 'Don't know' (4%), 'Refused' (2%) not shown.

General Plant Investments

Mid-Sized Business

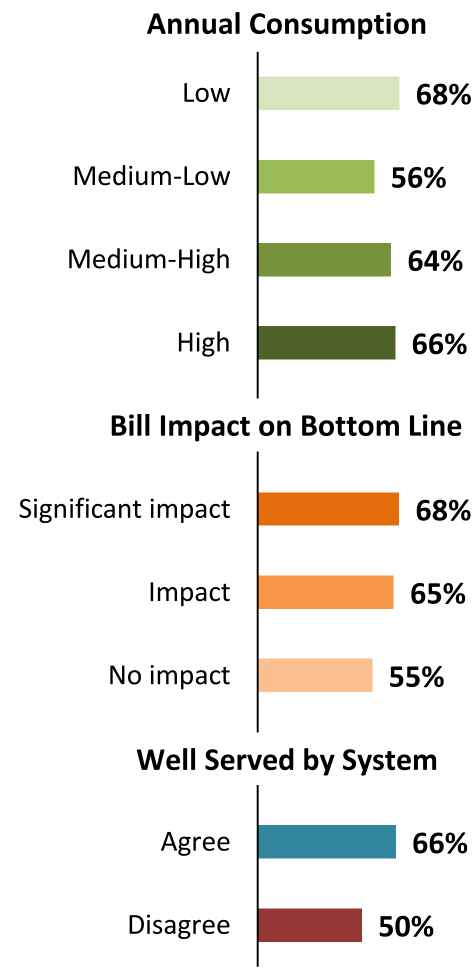
Q As a company, Enersource needs facilities to house staff and equipment, vehicles and tools to service electrical infrastructure, and IT systems to manage the distribution system and customer information..

Which of the following statements best represents your point of view?
[asked all respondents, n=200]



Segmentation

*Those who say "**make necessary investments**":*



Note: 'Don't know' (3%), 'Refused' (1%) not shown.

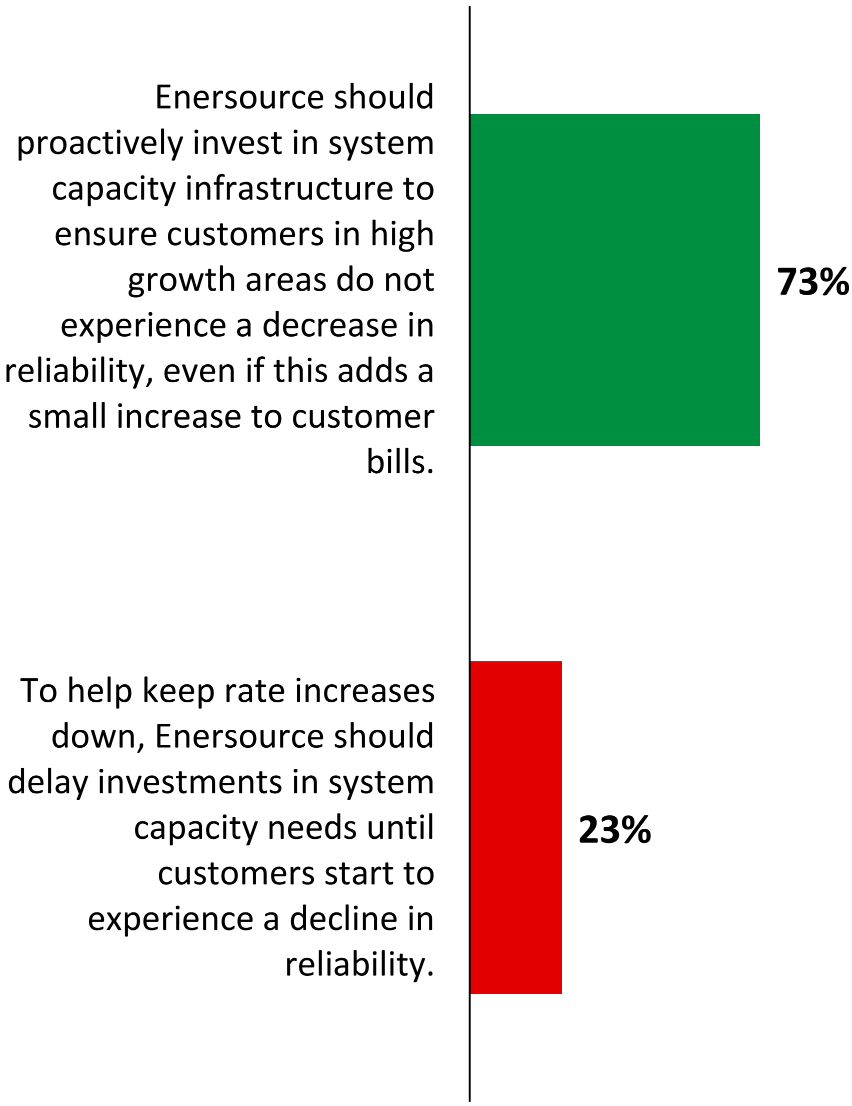
System Service Investments

Mid-Sized Business

Q With growth in various parts of Mississauga comes greater demand for electricity. This increased demand for electricity puts increased pressure on the existing electrical infrastructure. Eventually, further infrastructure investments will be required to support increased demand for electricity.

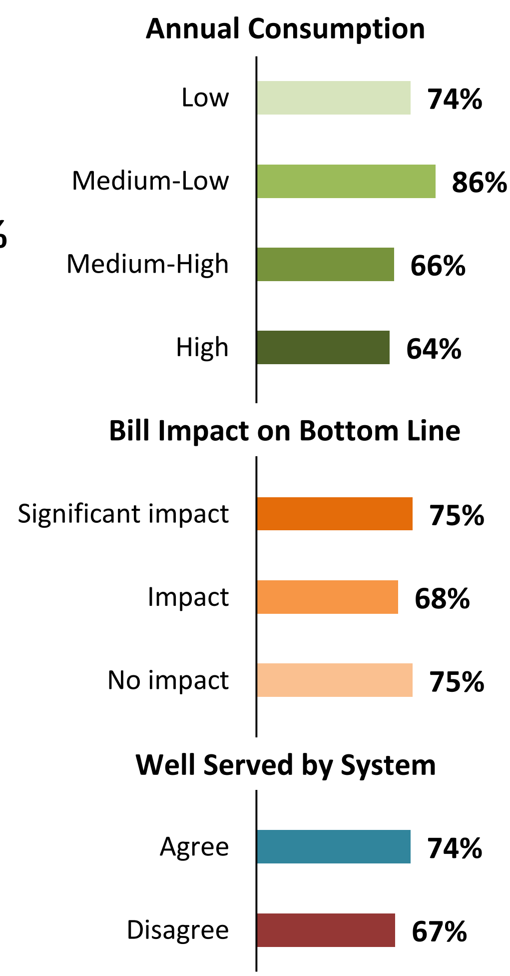
With this in mind, which of the following statements best represents your point of view?

[asked all respondents, n=200]



Segmentation

*Those who say "**proactively invest in system capacity**":*



INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (2%), 'Refused' (3%) not shown.

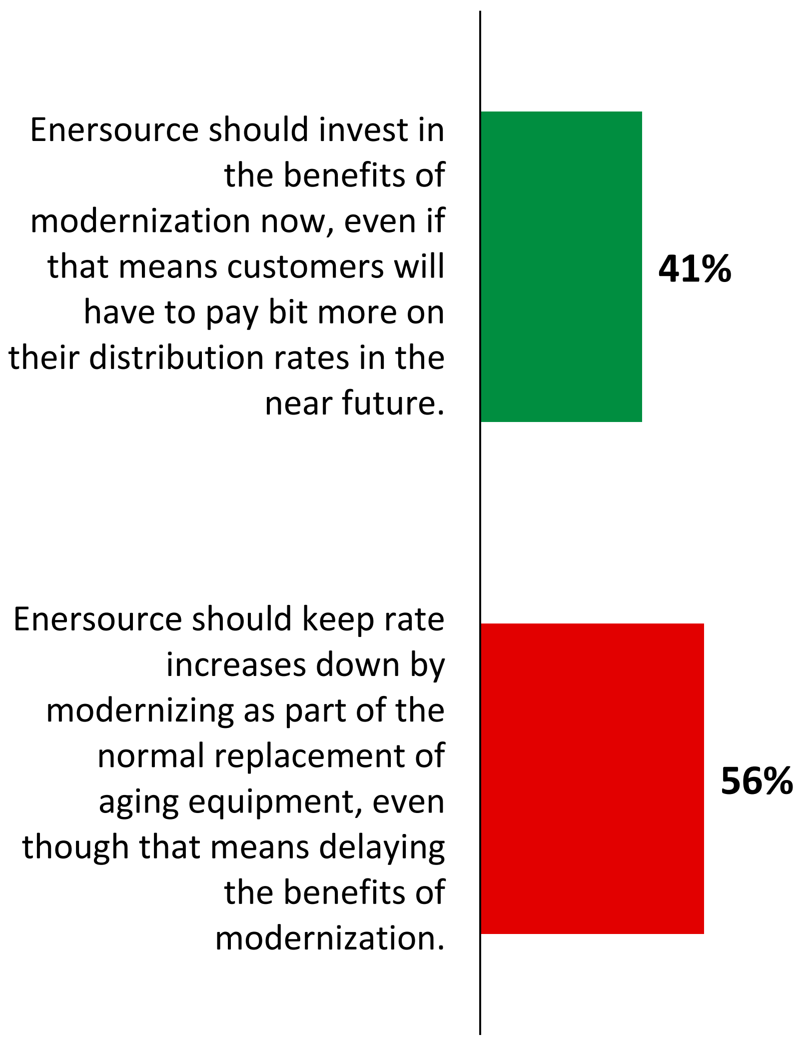
Modernizing the Distribution System

Mid-Sized Business

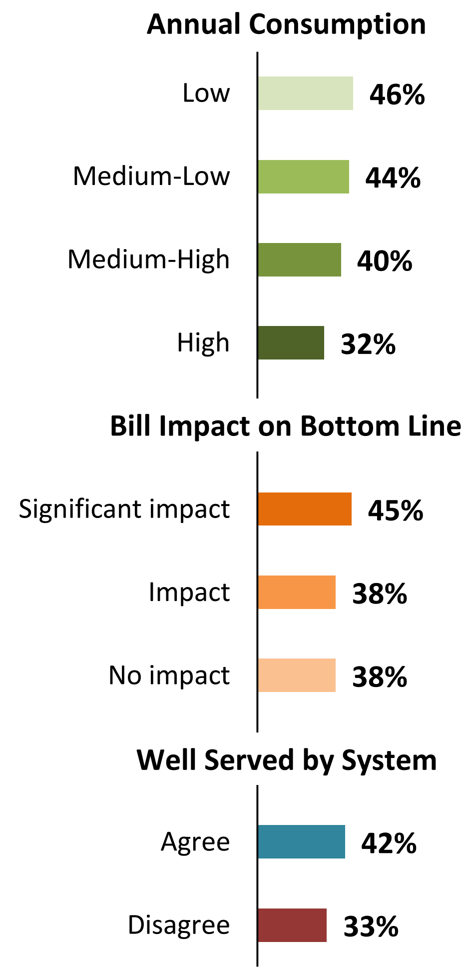
Q There are new technologies that Enersource can implement such as microgrids, electricity storage, and automatic switches that can give customers more choices, improve reliability or reduce the impact on the environment.

These investments would create a better grid, but are not required to maintain the reliability that you experience today.

Which of the following statements best represent your point of view?
[asked all respondents, n=200]



Segmentation
*Those who say "**invest in modernization now**":*



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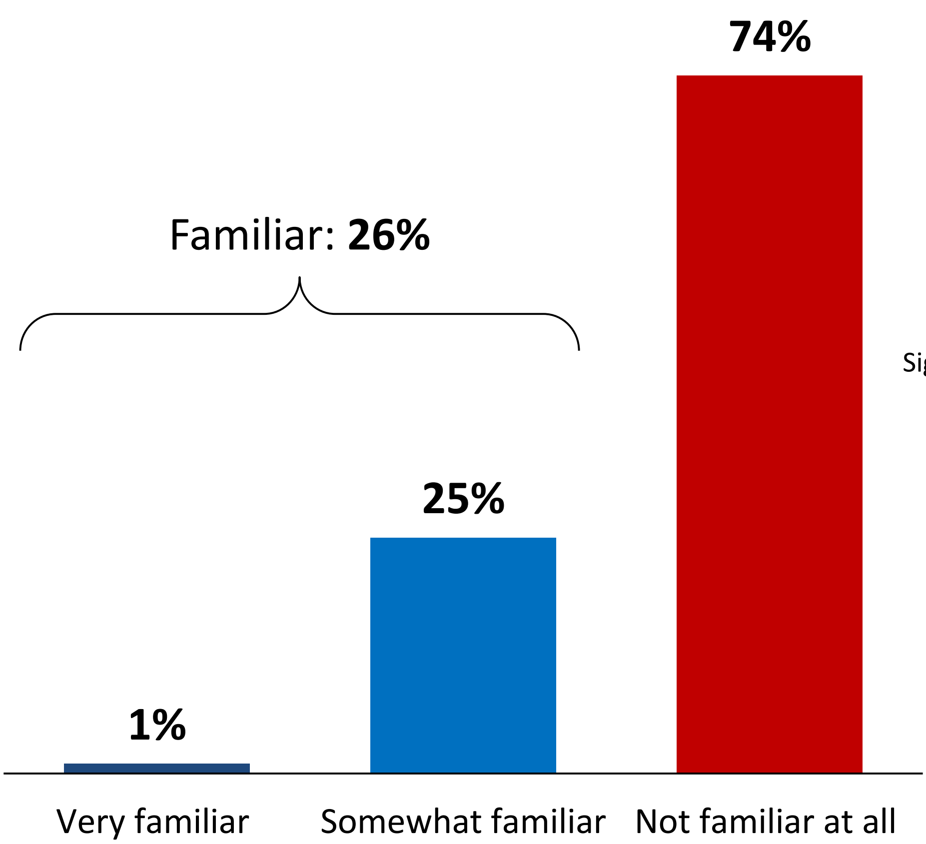
Note: 'Don't know' (3%), 'Refused' (1%) not shown.

Familiarity with OEB "Cost Saving" Requirements

Mid-Sized Business

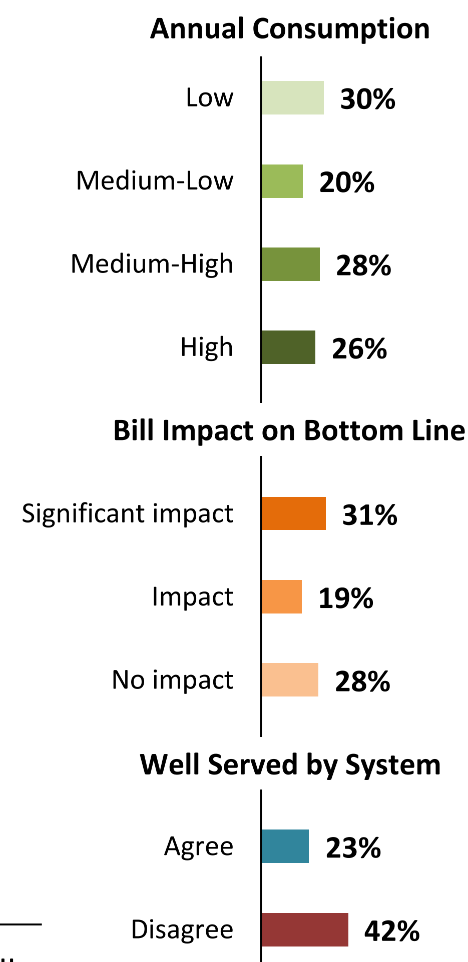
Q As we mentioned earlier, the rates you pay to Enersource are set by the OEB through a public process. Enersource's current rates were approved in a 2013 application and will be in place until 2027. Each year Enersource is permitted to increase rates to reflect inflation minus savings targets established by the OEB which requires Enersource to keep cost increases below inflation.

Before this survey, how familiar were you with the OEB requirement for Enersource to find savings every year?
[asked all respondents, n=200]



Segmentation

*Those who say "**Familiar**":*



INNOVATIVE RESEARCH GROUP

ICM Rate Impact & Leaky Transformer Preamble

Mid-Sized Business

"Now let's turn to our final topic – possible new projects. As part of the OEB policies, there is an option for Enersource to apply for additional rate increases for discrete projects that are prudent, needed and not supported by existing rates. Looking ahead to 2019, Enersource has identified two system renewal projects that need more investment than the existing budget allows. System renewal projects are a mix of replacing aging infrastructure and emergency repairs."

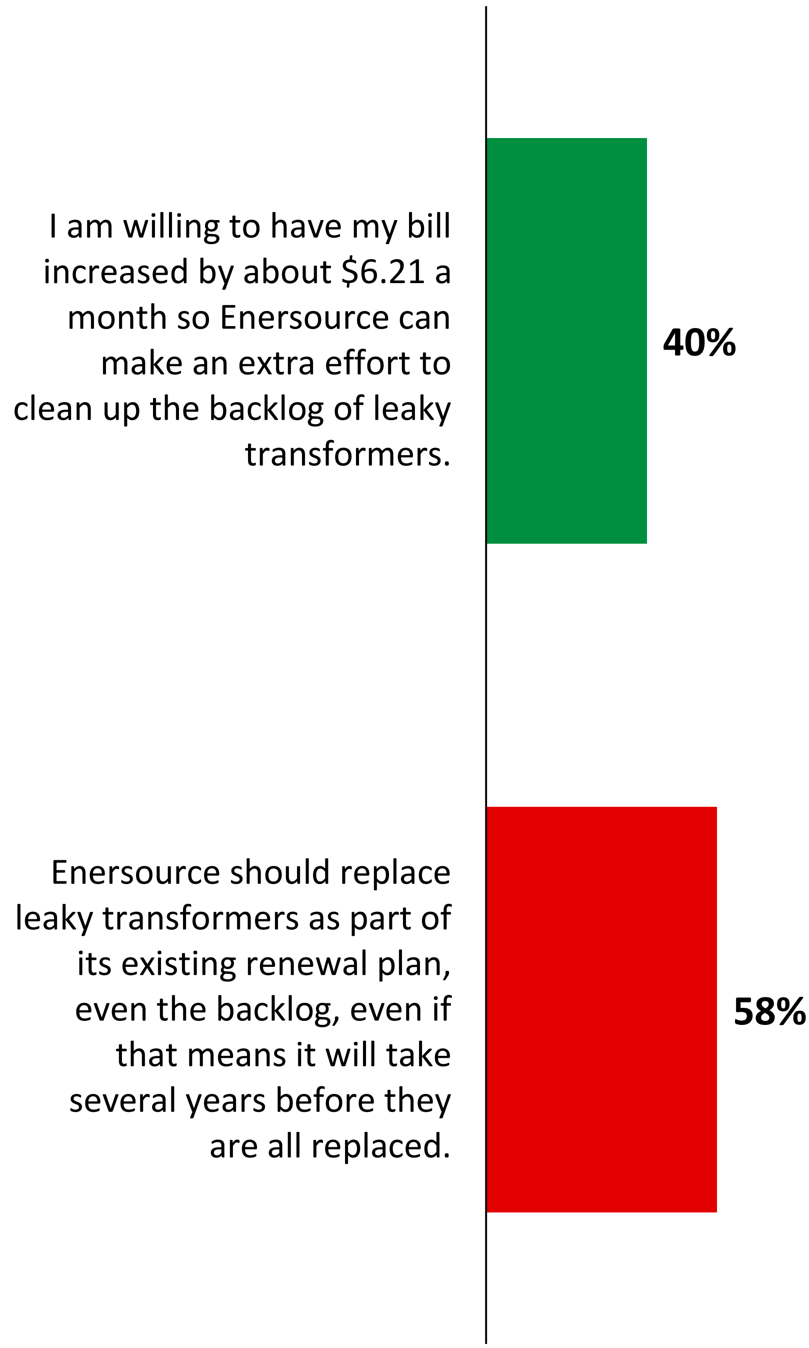
Leaky Transformers

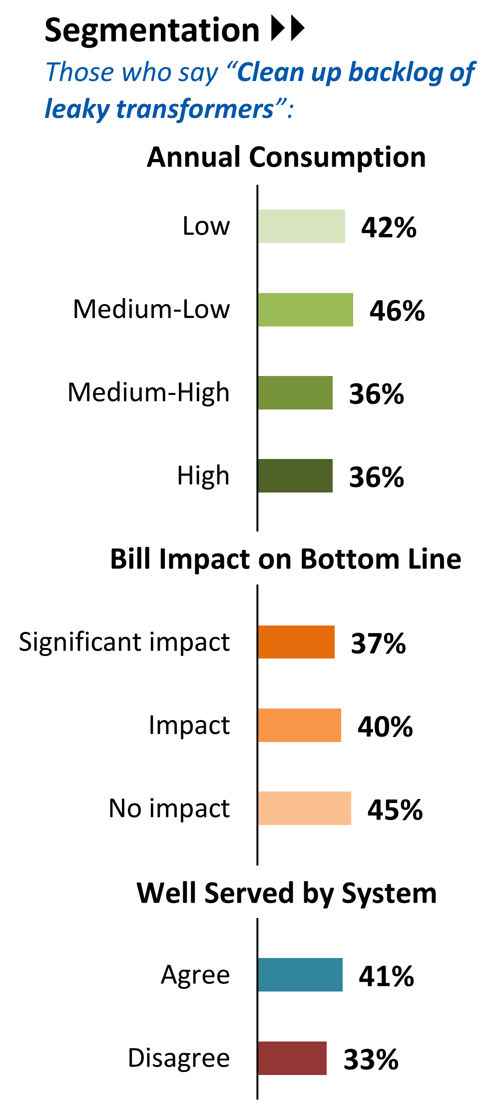
"One of these projects deals with leaky transformers. Enersource has 25,000 transformers which are used to reduce the voltage of electricity as it moves from major transmission lines to the lines going into homes and businesses. Earlier this decade, Enersource identified a backlog of almost 4,000 transformers that show signs of leaking. By the end of this year, over 3,000 of these transformers will have been replaced. However, that will still leave over 600 needing replacement."

Leaky Transformers

Mid-Sized Business

Q Which of the following is closest to your point of view regarding Ensource’s proposed transformer replacement program?
[asked all respondents, n=200]





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Note: ‘Don’t know’ (3%) not shown.

Rometown Overhead Preamble

Mid-Sized Business

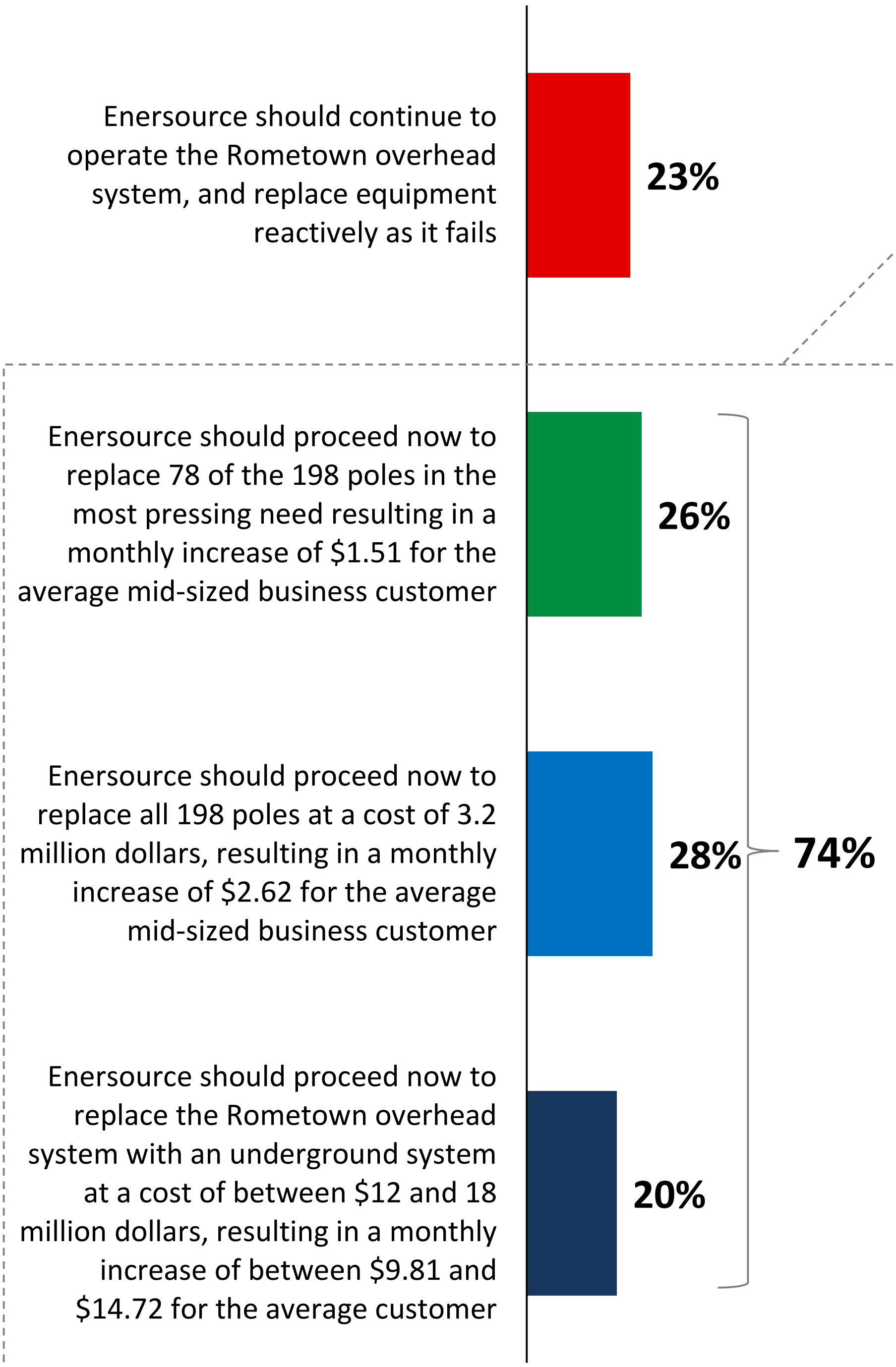
"Another proposed project addresses the Rometown area Overhead system. There are 198 poles in this particular system. 68 out of 198 have been flagged as poor while another 56 are seen to be in fair condition. A total of 78 have been flagged for urgent replacement. This network of poles uses older technologies that will be replaced when the system is eventually rebuilt, but any repairs done today will have to use the older technology. It is more efficient to replace all the poles at once than to replace them one at a time but it costs less in the short run only to replace the poles most in need of repair."

Rometown Overhead

Mid-Sized Business

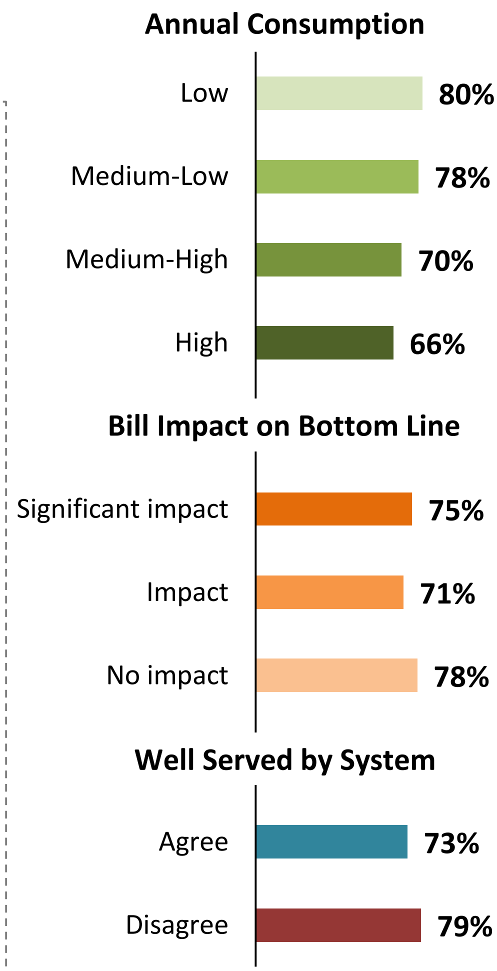
Q Which of the following is closest to your point of view regarding Enersource's proposed Rometown Overhead system rebuild program?

[asked all respondents, n=200]



Segmentation

*Those who say "**Spend more on Rometown Overhead rebuild**":*



INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (4%) not shown.

Opinion of Proposed ICM Rate Impact

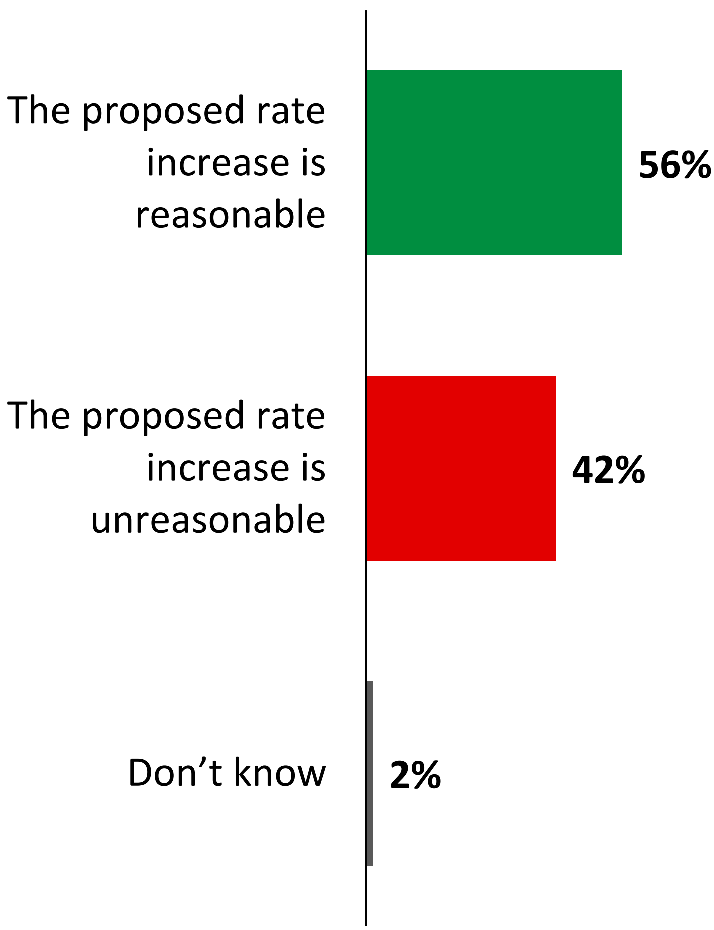
Mid-Sized Business

Q As I mentioned earlier, each year Enersource is permitted to increase rates to reflect inflation minus a stretch factor which requires Enersource to find savings to keep cost increases below inflation. In order to reduce the backlog of leaking transformers and to replace the most high risk poles in the Rometown overhead system, Enersource would need to add a $7.72 charge to the typical mid-sized business customers monthly electricity bill, from 2019 to 2026.

That would result in an annual increase of $92.64 each year over the course of the next eight years – *totalling $741.12 over that period.*

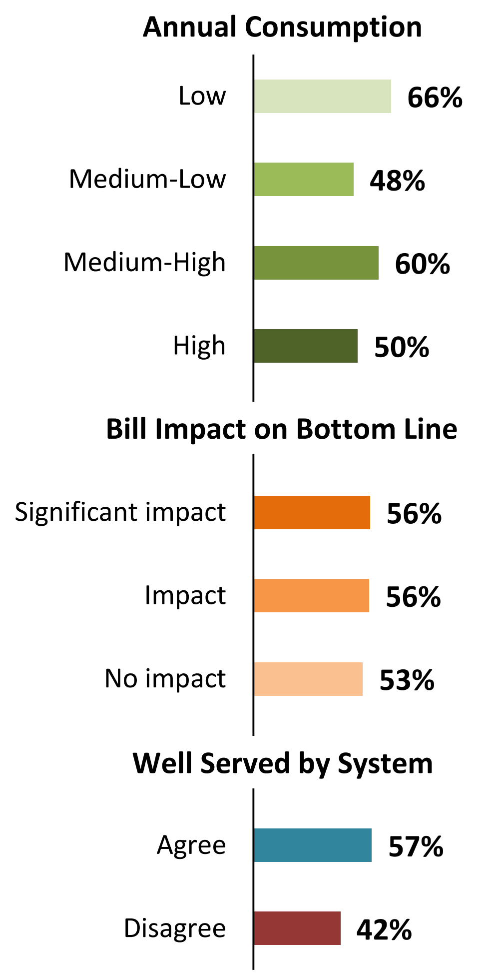
What is your opinion on this proposed rate increase in 2019?

[asked all respondents, n=200]



Segmentation

*Those who say "**Rate increase is reasonable**":*



Note: 'Refused' (1%) not shown.

Large Use Customers (2MW+)

Custom Online Survey: *Methodology*

Survey Design

These are the findings of an **Innovative Research Group** (INNOVATIVE) online survey conducted among **Large Use customers (2MW+) in the Enersource rate zone** between May 17 and 29, 2018.

The focus of these surveys was to collect feedback on expectation, needs and preference as well as trade-offs related to DSPs and specific projects brought forward for the purposes of the ICM applications. Each of surveys were customized to reflect the estimated rate impacts for individual Large Use customers related to specific capital projects in the Enersource rate zone.

Alectra Utilities provided INNOVATIVE with an email contact list consisting of the prime contact for each of its **36 Large Use customers** in the Enersource rate zone. INNOVATIVE provided each key account contact with a unique URL via an email invitation so that only customers identified by Alectra Utilities were able to complete the survey and complete the survey only once.

Customers were sent three reminder emails to encourage survey participation. In addition, Alectra Utilities staff followed up with customers by telephone to encourage survey participation.

The analysis of this report is based on **9 of 36** Large Use customers in the Enersource rate zone (**a survey completion rate of 25%**).

Individual Large Use customers responses were anonymous and no identifiable respondent information was shared with Alectra Utilities. Responses were combined to protect the confidentiality of individual Large Use customers.

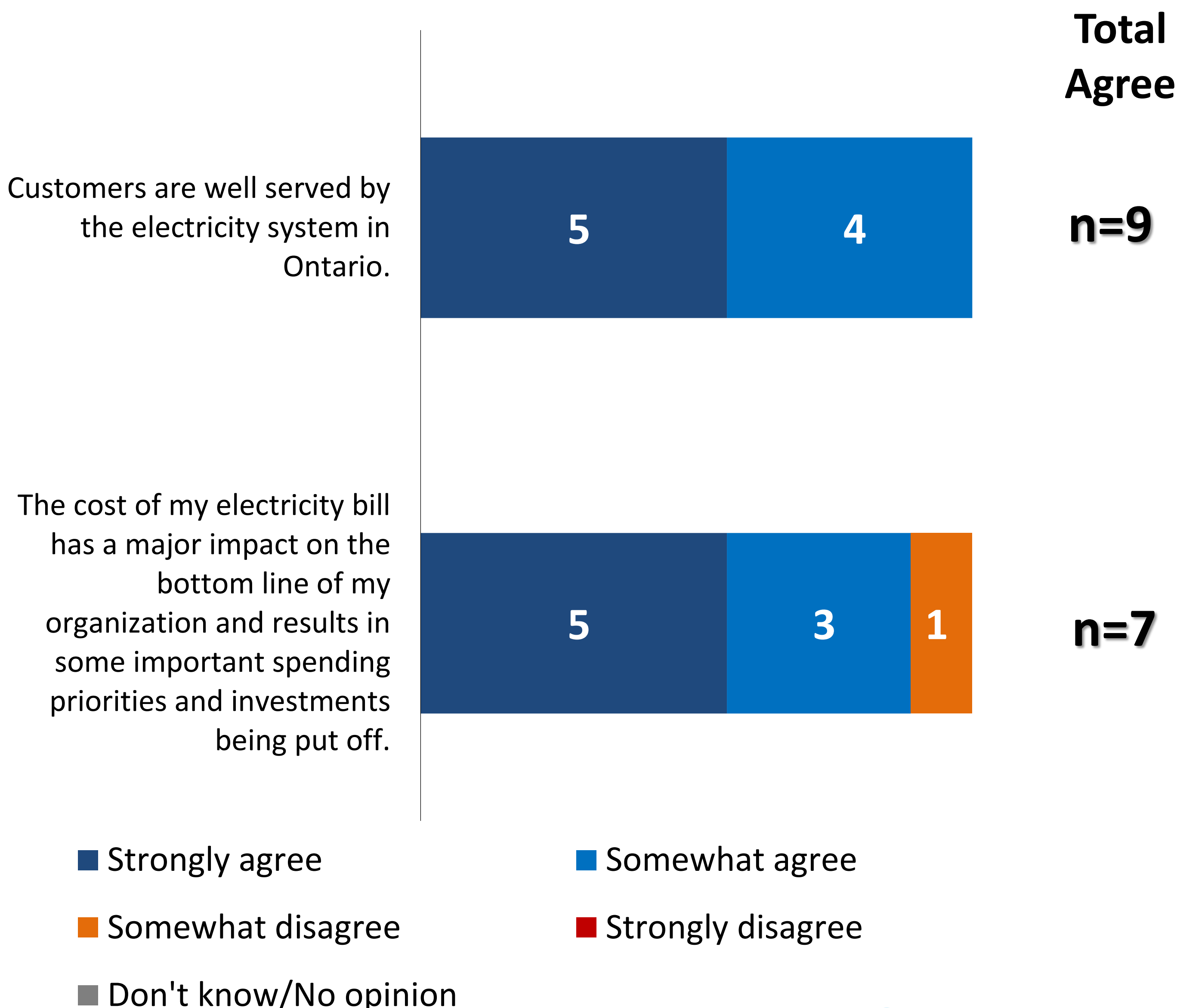
Note: *Graphs and tables may not always total 100% due to rounding values rather than any error in data. Sums are added before rounding numbers. Caution interpreting results with small n-sizes.*

INNOVATIVE RESEARCH GROUP

Segmentation & Firmographics

Large Use (2MW+)

Q For each statement please tell me if you would strongly agree, somewhat agree, somewhat disagree or strongly disagree. If you don't know enough to say or don't have an opinion just let me know.
[asked all respondents, n=9]



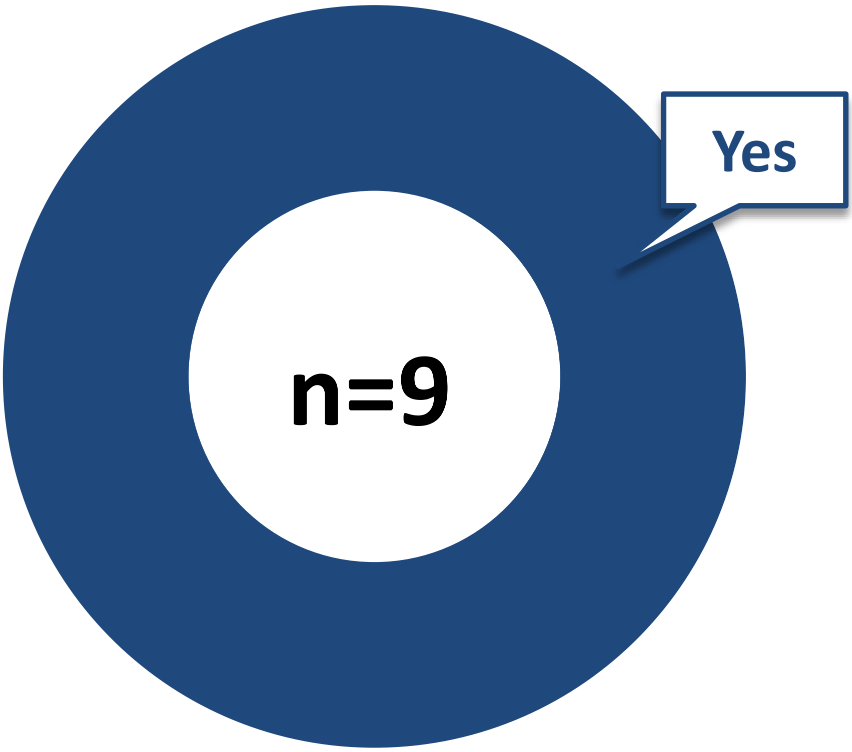
INNOVATIVE RESEARCH GROUP

Awareness of Merger

Large Use (2MW+)

Q You may have recently heard that **Enersource** has merged with neighbouring electricity distributors to form a new company called **Alectra Utilities**.

Had you heard of the Alectra Utilities merger before this survey?
[asked all respondents, n=9]



INNOVATIVE RESEARCH GROUP

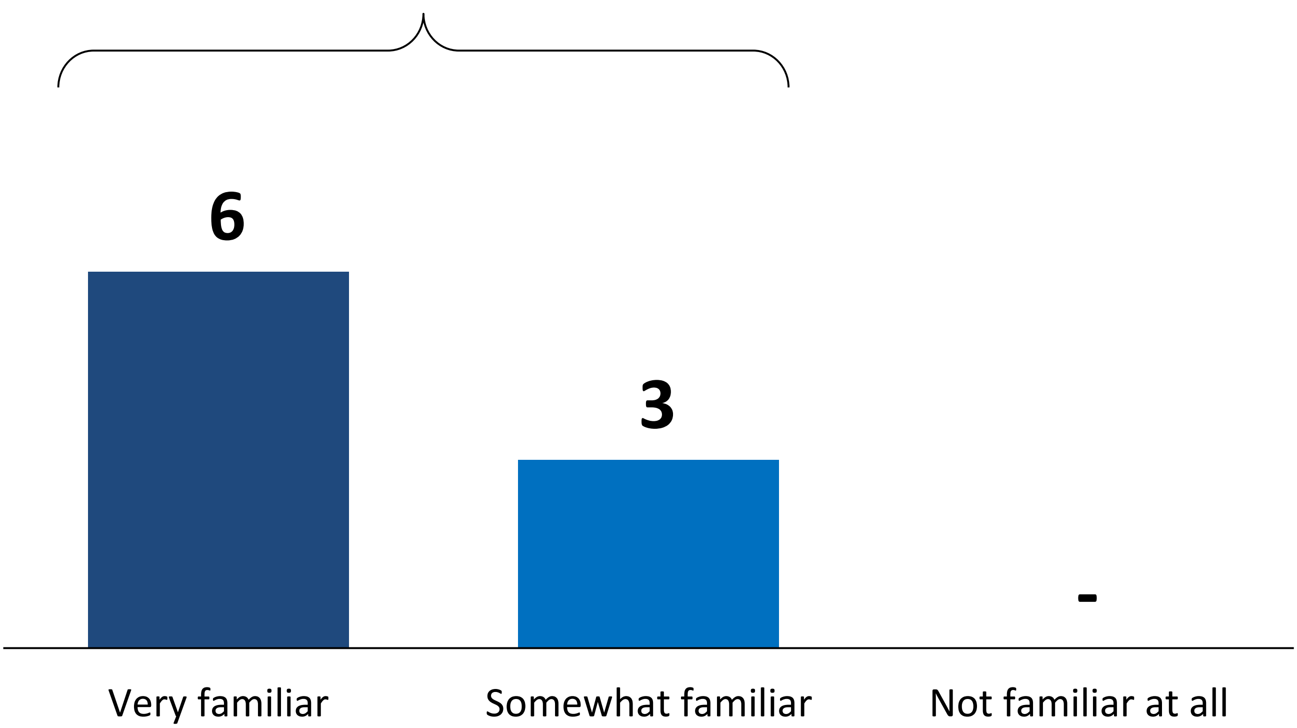
Familiarity with Enersource

Large Use (2MW+)

Q First, let's talk about your experience. As you may know, **Enersource** operates and maintains the local electricity distribution system in this area. This is the system that takes the electricity from provincial transmission lines and brings it to your business through a network of wires, poles and other equipment that is owned and operated by **Enersource**.

How familiar are you with **Enersource**?
[asked all respondents, n=9]

Familiarity w/ legacy utility:
9 or 9



INNOVATIVE RESEARCH GROUP

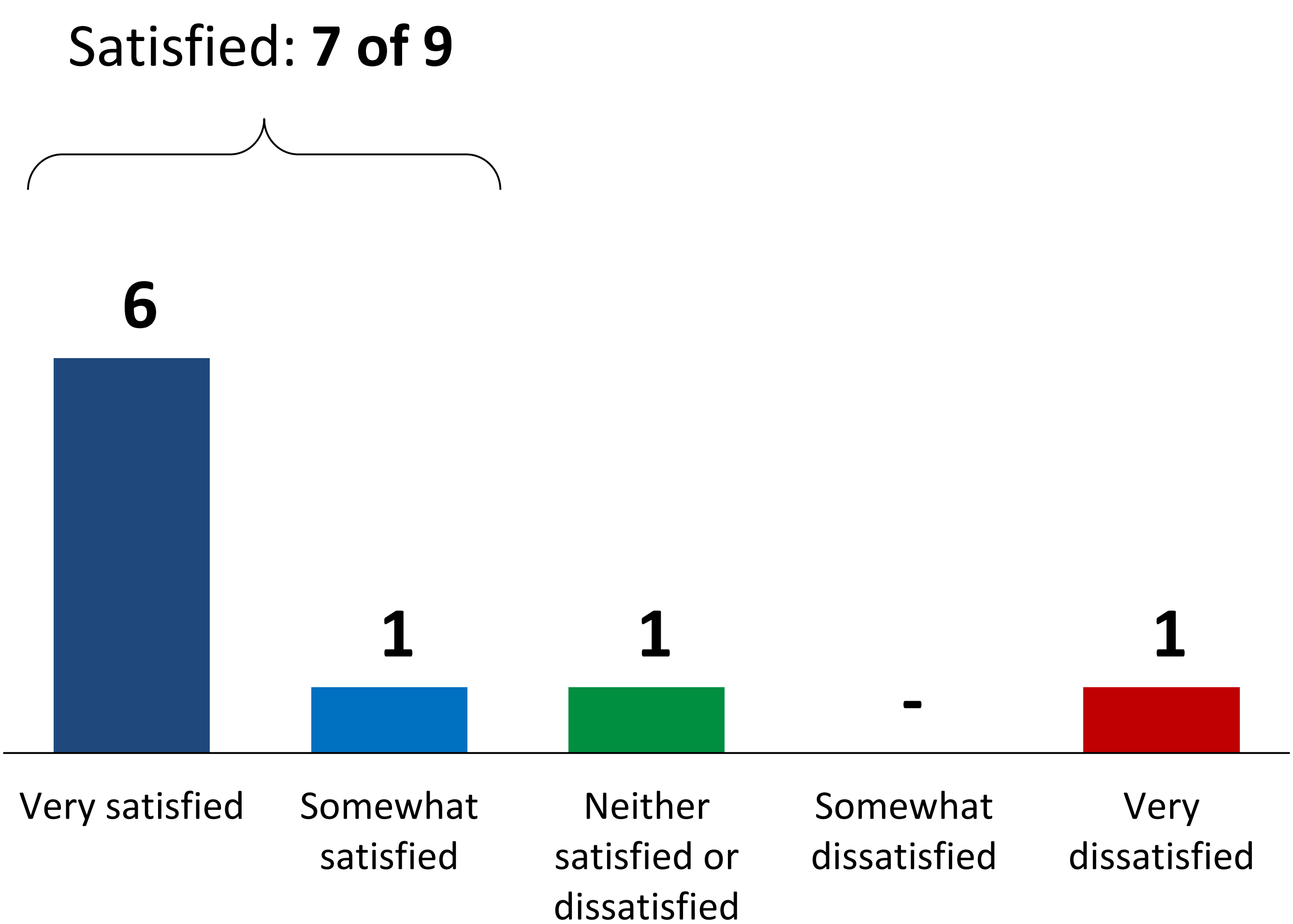
Note: 'Don't know' (0) not shown.

Satisfaction with Services

Large Use (2MW+)

Q In general, how satisfied or dissatisfied are you with the services your organization receives from **Enersource**? Would you say you are very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied?

[asked all respondents, n=9]



Note: 'Don't know' (0) not shown.

INNOVATIVE RESEARCH GROUP

Suggestions for Improvements

Large Use (2MW+)

Q Is there anything in particular **Enersource** can do to improve its service to your organization?

[asked all respondents, n=9]

4 of 9 → Nothing/Don't know

Verbatim:

Respondent 1)
Communication as to 'why?' During power outages communications should be improved to their large customers.

Respondent 2)
Enersource has been great in getting ahead of some of the distribution issues in the past and operates really well.

Respondent 3)
Improve reliability of the grid system to the customer. There has been many power disruptions lasting a few seconds that takes down the plant entirely, and at times more than one a day. Would like to see feedback from Enersource as to what they are doing to address these issues and more detail to what impacts our particular feed(s) that would help eliminate these problems.

Respondent 4)
We were very satisfied with Enersource and our relationship in terms of communication and reliability meetings. However, since the merger to Alectra, we have not heard from anyone and service has somewhat decreased. We want to restart our reliability meetings.

Respondent 5)
We would appreciate periodic meetings (quarterly), either face to face or thru calls, with an Account Manager, to discuss any pending changes to service or billing, and/or answer specific questions we my have.

INNOVATIVE RESEARCH GROUP

Familiarity with Amount of Electricity Bill Remitted

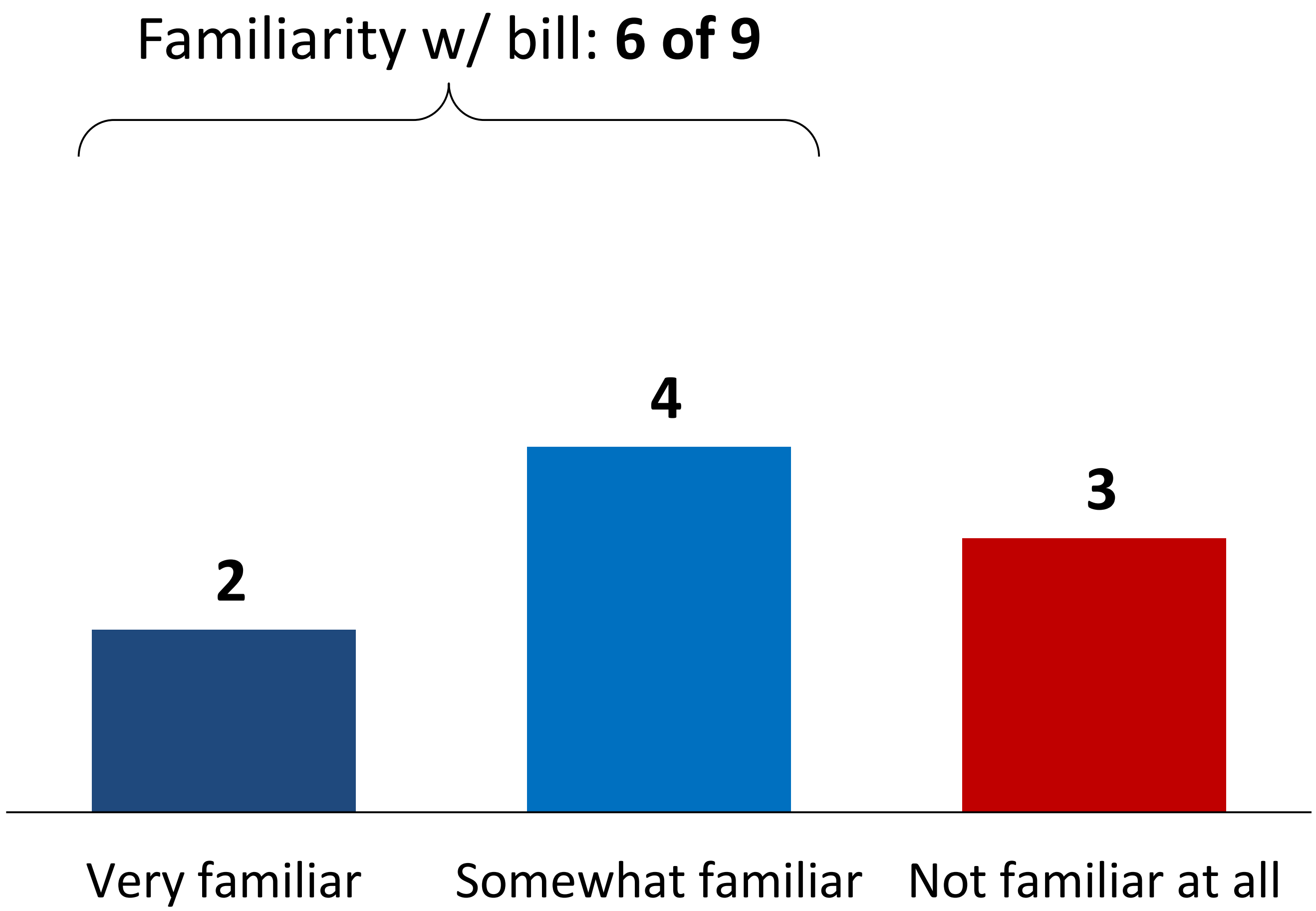
Large Use (2MW+)

Q The next question is specifically about [**PIPE**]'s electricity bill.

While **Enersource** is responsible for collecting payment for the entire electricity bill, they retain about [**PIPE**] of your organization's bill. This is about [**PIPE**] on your average [**PIPE**] monthly electricity bill. The rest of the bill goes to power generation companies, transmission companies, the provincial government and regulatory agencies.

Before this survey, how familiar were you with the percentage of your organization's electricity bill that is retained by **Enersource**?

[asked all respondents, n=9]



Note: 'Don't know' (0) not shown.

INNOVATIVE RESEARCH GROUP

Customer Priorities

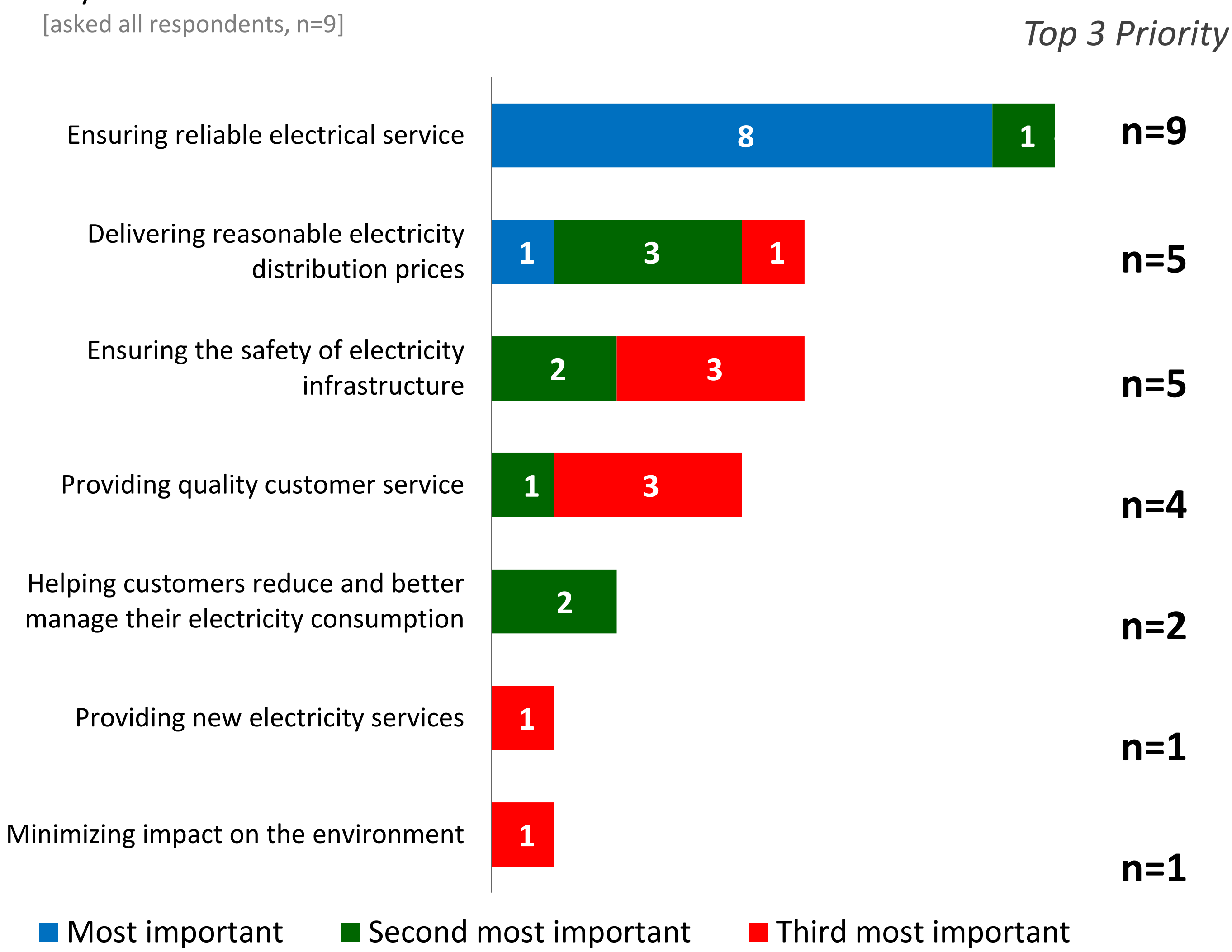
Large Use (2MW+)

Q **Now lets turn to our second topic – outcomes.** Enersource regularly holds discussions with its customers to better understand how it should set spending priorities with the money customers pay for service.

In recent conversations with customers, a number of company goals were identified as key priorities for Enersource.

Among the following Enersource priorities, please tell me which one is most important to you.

[asked all respondents, n=9]



Note: 'Don't know' (0) not shown.

Additional Priorities

Large Use (2MW+)

Q Are there any other important priorities that Enersource should be focusing on that weren't included in the previous list I read to you?
[asked all respondents, n=12]

7 of 9 → No/Don't know

Verbatim:

Respondent 1)

a) Electrical reliability is most important; increased maintenance surveys and improved infrastructure.
b) Outage communications is also very important to us.

Respondent 2)

Reliability is my most important priority.

System Reliability

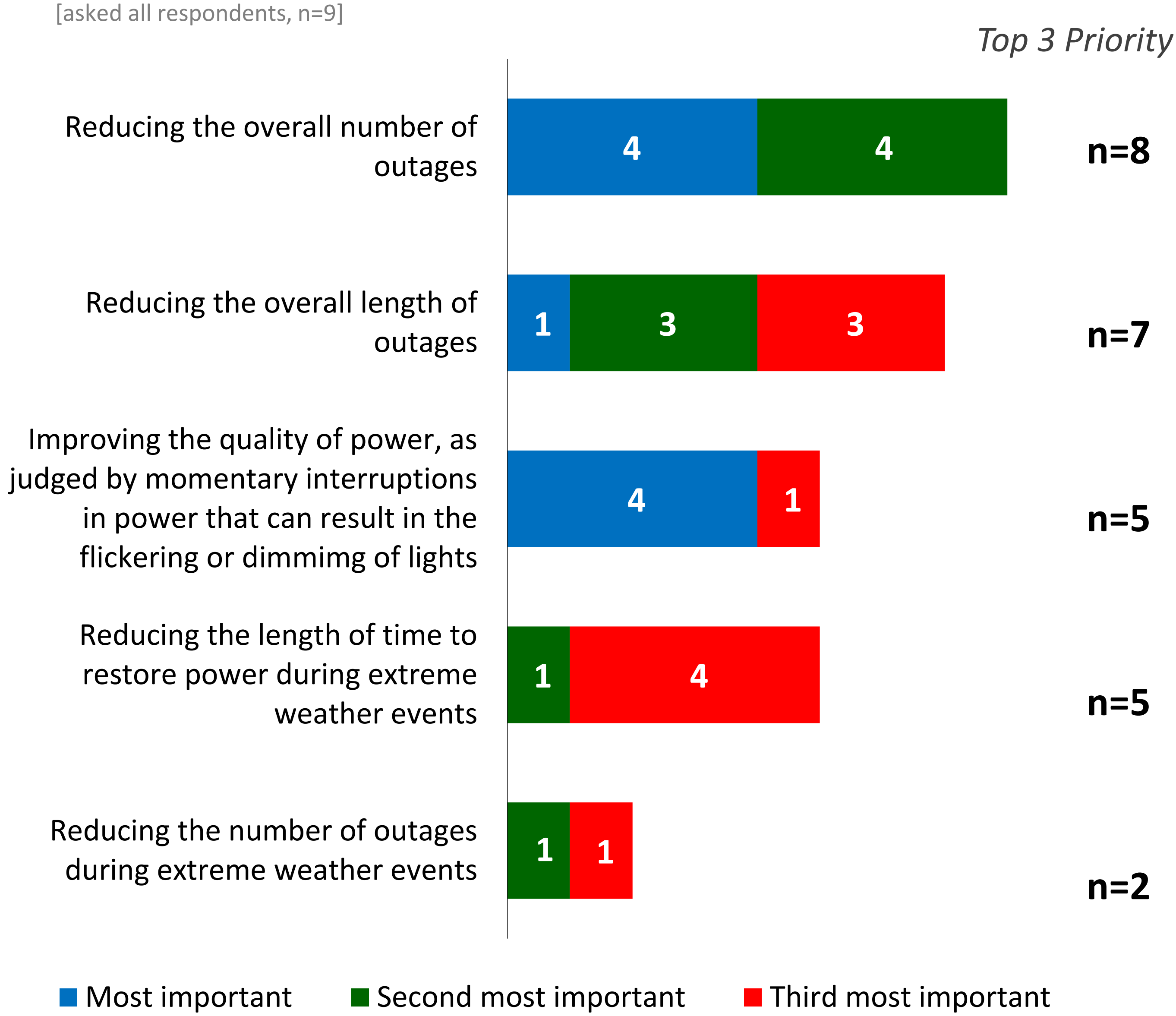
Large Use (2MW+)

Q **We would like to understand your experience with reliability.**

There are different outcomes when customers talk about power reliability.

Among the following reliability outcomes, please tell me which one is most important to you.

[asked all respondents, n=9]



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Note: 'Don't know' (0) not shown.

Familiarity with how Electricity Rates are Set

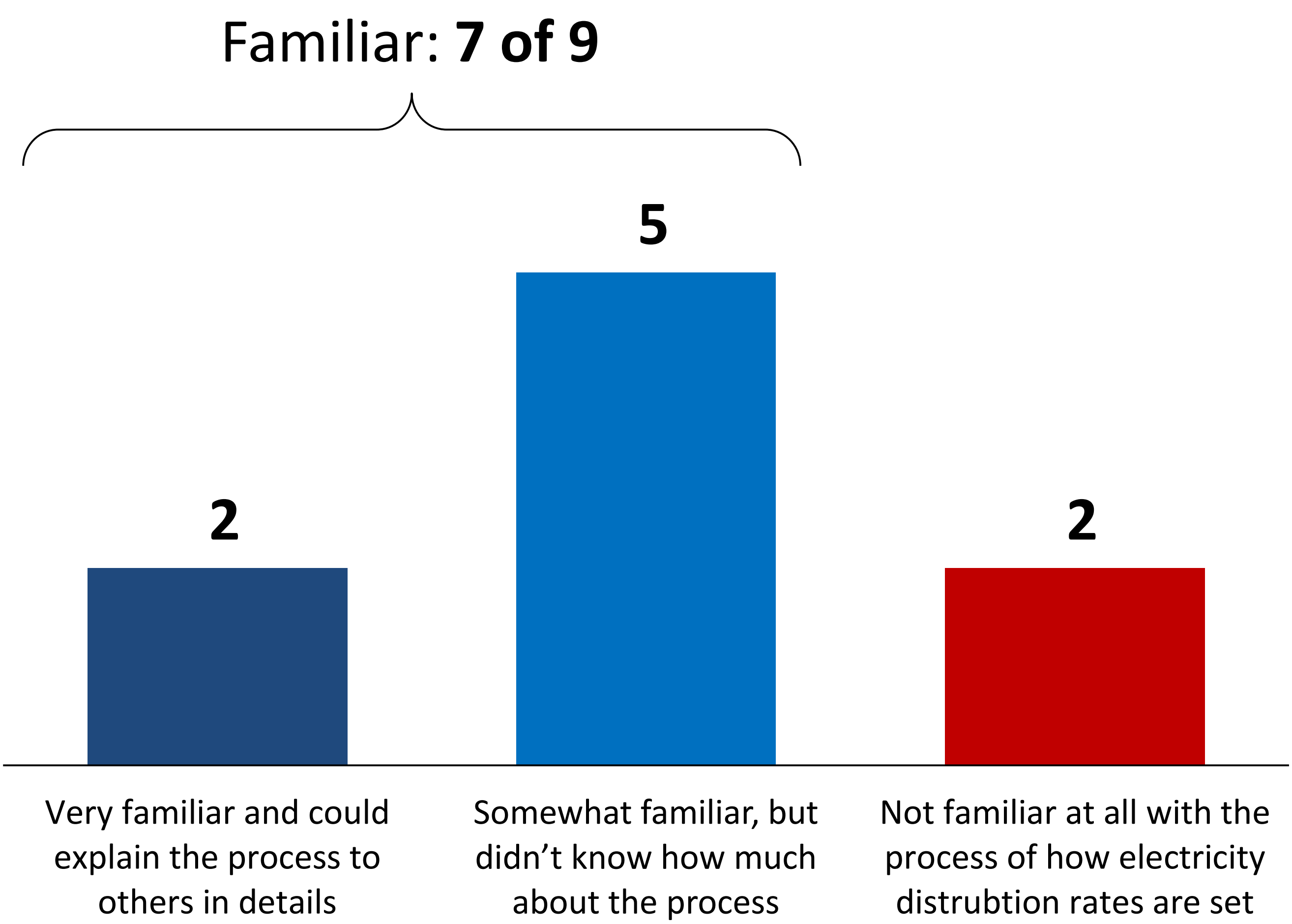
Large Use (2MW+)

Q ***Now, lets turn to our third topic: investment trade-offs***. The electricity industry in Ontario is regulated by the Ontario Energy Board, otherwise known as the OEB. The OEB sets electricity rates in Ontario.

The OEB requires electricity distributors, such as Alectra Utilities, to develop its business plan and distribution system plan, as well as make spending and investment decisions based on customer feedback.

Electricity distributors are funded by the distribution rates paid by their customers. Periodically, distributors are required to file rate applications with the OEB to justify the amount of funding they need to safely and reliably distribute electricity to their customers.

Before this survey, how familiar were you with how electricity distribution rates are set in Ontario?
[asked all respondents, n=9]



Note: 'Don't know' (0) not shown.

Investment Trade-Off Preamble

Large Use (2MW+)

"Alectra Utilities is now starting to create its first overall investment plan as a merged utility. The OEB divides electricity distributor investments into four categories. One category called system access includes investments that are mandatory under the distributor's licence to operate. These include reasonable costs to connect new customers and moving existing infrastructure to accommodate civic improvements.

The spending in the other three categories involves finding the right balance between the impact on your bill and the service you receive. We would now like ask a few questions about your preferences when it comes to finding the right balance between costs and other outcomes.

I want to start by asking you about system renewal, that is the projects that replace aging electrical infrastructure."

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Investments in Aging Infrastructure

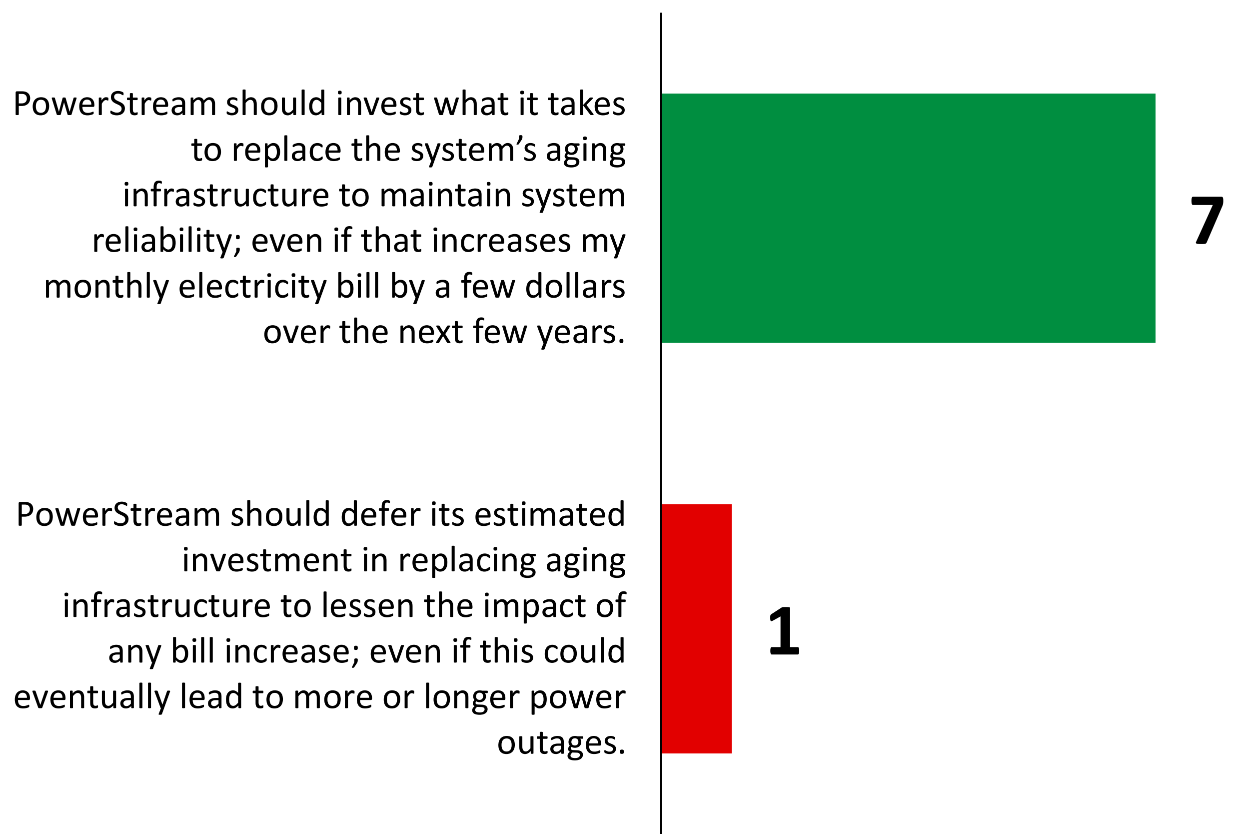
Large Use (2MW+)

Q While Enersource works hard to prolong the life of the assets that make up Mississauga's distribution system, eventually these assets reach the end of their useful life and require replacement.

Currently the average customer experiences **1.08 outages** a year for an average of **35 minutes and 40 seconds**. When adjusted to remove outages due to loss of supply from the transmission system and major storms, **56% of unscheduled outages** are as a result of equipment failure in the Enersource rate zone.

However, it is not possible to predict exactly when a specific piece of aging equipment will fail. Enersource must decide the pace at which it replaces this aging equipment.

Which of the following statements best represents your point of view?
[asked all respondents, n=9]



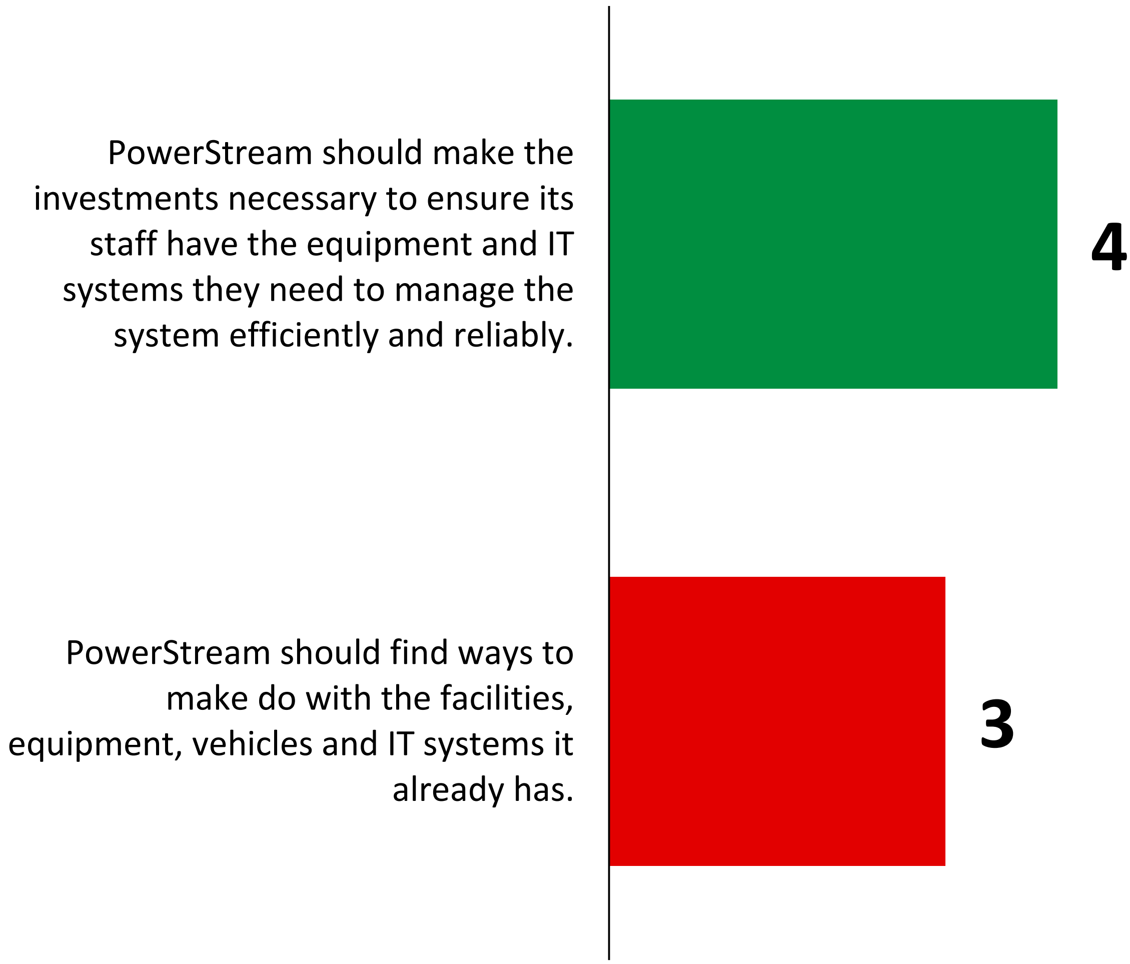
Note: 'Don't know' (n=1) not shown.

General Plant Investments

Large Use (2MW+)

Q As a company, Enersource needs facilities to house staff and equipment, vehicles and tools to service electrical infrastructure, and IT systems to manage the distribution system and customer information..

Which of the following statements best represents your point of view?
[asked all respondents, n=9]



Note: 'Don't know' (n=2) not shown.

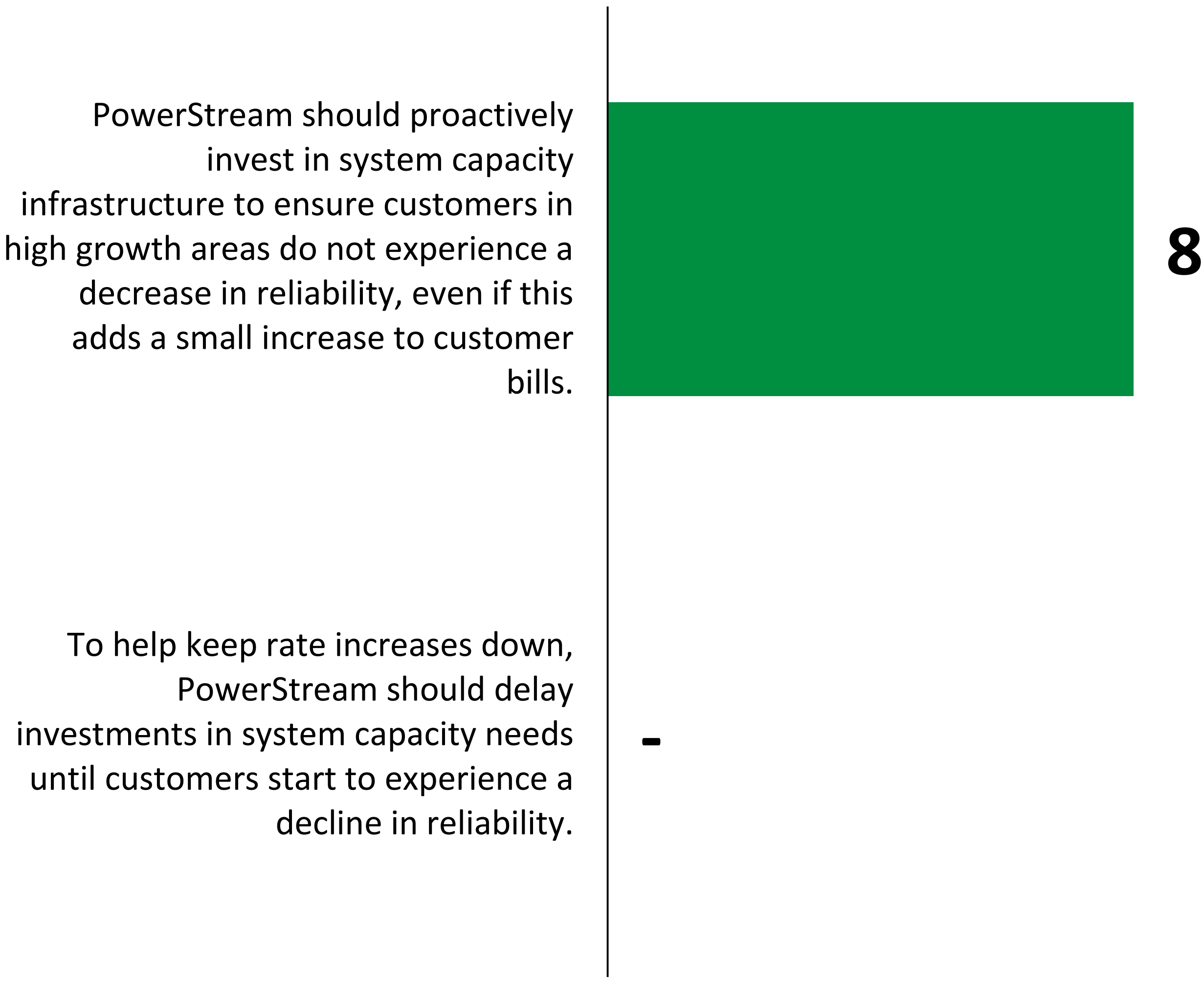
System Service Investments

Large Use (2MW+)

Q With growth in various parts of the Enersource service area comes greater demand for electricity. This increased demand for electricity puts increased pressure on the existing electrical infrastructure. Eventually, further infrastructure investments will be required to support increased demand for electricity.

With this in mind, which of the following statements best represents your point of view?

[asked all respondents, n=9]



Note: 'Don't know' (n=1) not shown.

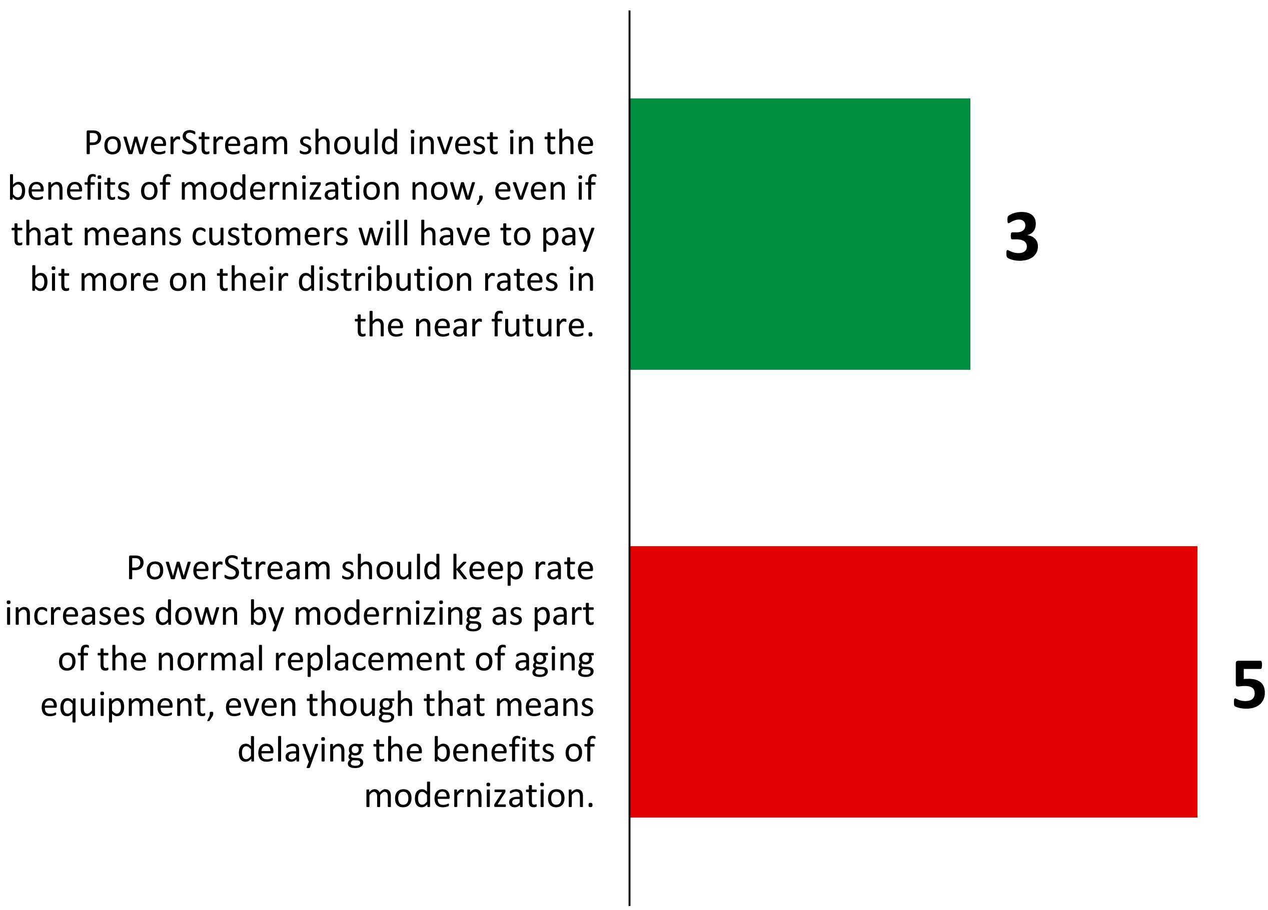
Modernizing the Distribution System

Large Use (2MW+)

Q There are new technologies that Enersource can implement such as microgrids, electricity storage, and automatic switches that can give customers more choices, improve reliability or reduce the impact on the environment.

These investments would create a better grid, but are not required to maintain the reliability that you experience today.

Which of the following statements best represent your point of view?
[asked all respondents, n=9]



Note: 'Don't know' (n=1) not shown.

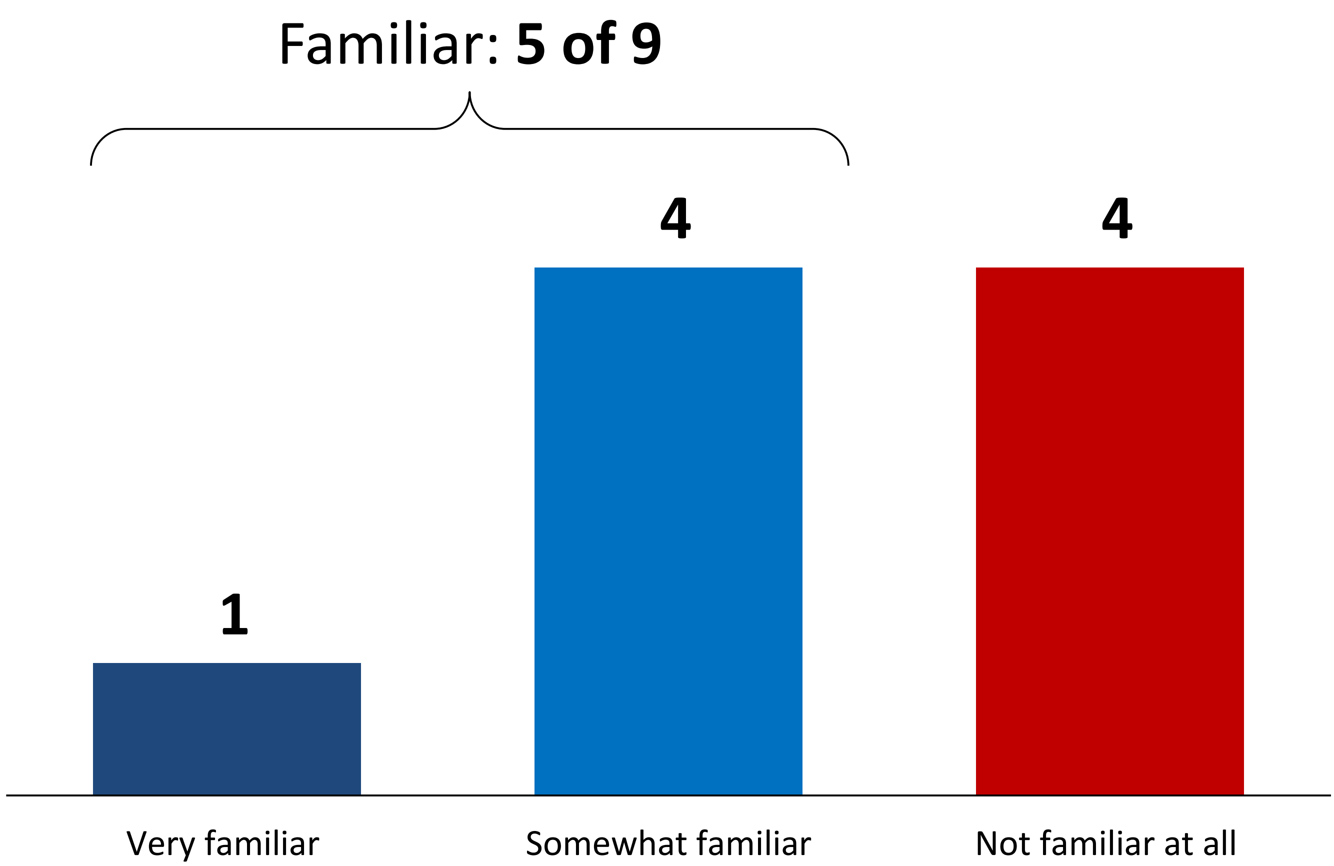
Familiarity with OEB "Cost Saving" Requirements

Large Use (2MW+)

Q As we mentioned earlier, the rates you pay to Enersource are set by the OEB through a public process. Enersource's current rates were approved in a 2013 application and will be in place until 2027.

Each year Enersource is permitted to increase rates to reflect inflation minus savings targets established by the OEB which requires Enersource to keep cost increases below inflation.

Before this survey, how familiar were you with the OEB requirement for Enersource to find savings every year?
[asked all respondents, n=9]



Note: 'Don't know' (0) not shown.

ICM Rate Impact & Leaky Transformer Preamble

Large Use (2MW+)

"Now let's turn to our final topic – possible new projects. As part of the OEB policies, there is an option for Enersource to apply for additional rate increases for discrete projects that are prudent, needed and not supported by existing rates. Looking ahead to 2019, Enersource has identified two system renewal projects that need more investment than the existing budget allows. System renewal projects are a mix of replacing aging infrastructure and emergency repairs."

Leaky Transformers

"One of these projects deals with leaky transformers. Enersource has 25,000 transformers which are used to reduce the voltage of electricity as it moves from major transmission lines to the lines going into homes and businesses. Earlier this decade, Enersource identified a backlog of almost 4,000 transformers that show signs of leaking. By the end of this year, over 3,000 of these transformers will have been replaced. However, that will still leave over 600 needing replacement."

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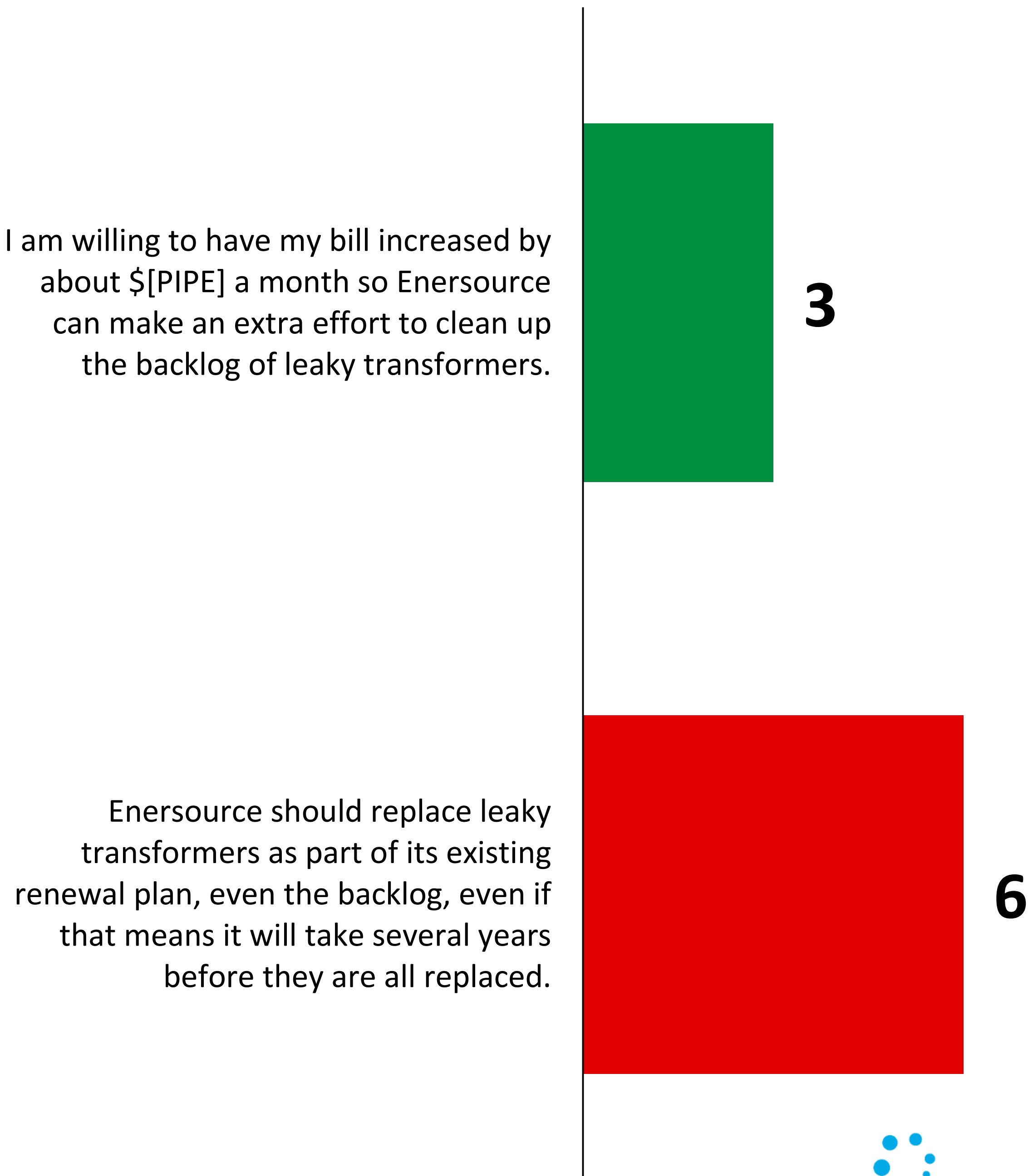
Leaky Transformers

Large Use (2MW+)

Q Which of the following is closest to your point of view regarding Ensource's proposed transformer replacement program?
[asked all respondents, n=9]



Note: 'Don't know' (0) not shown.

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Rometown Overhead Preamble

Large Use (2MW+)

"Another proposed project addresses the Rometown area Overhead system. There are 198 poles in this particular system.

- *68 out of 198 have been flagged as poor while another 56 are seen to be in fair condition.*
- *A total of 78 have been flagged for urgent replacement.*

This network of poles uses older technologies that will be replaced when the system is eventually rebuilt, but any repairs done today will have to use the older technology. It is more efficient to replace all the poles at once than to replace them one at a time but it costs less in the short run only to replace the poles most in need of repair."

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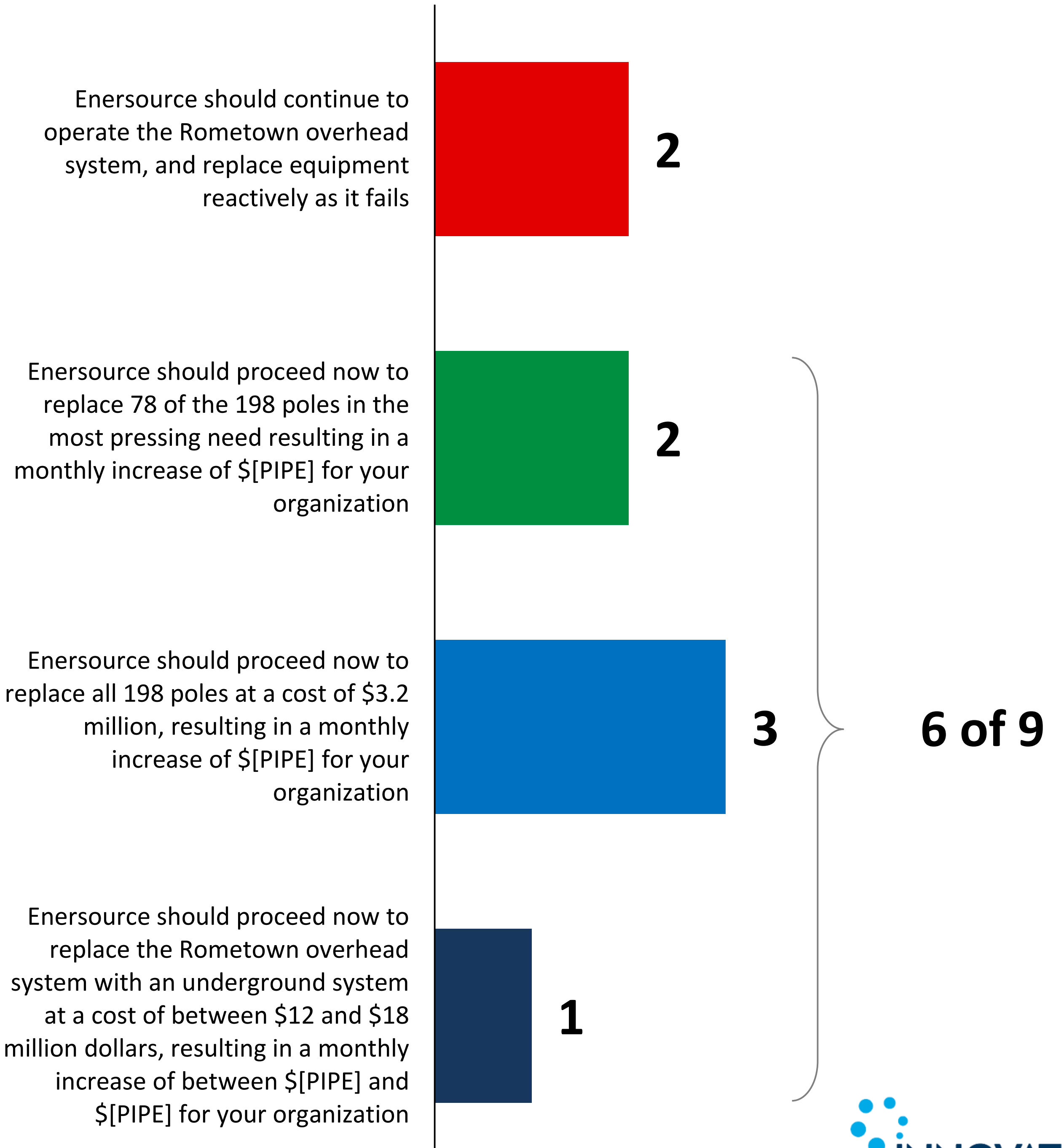
Rometown Overhead

Mid-Sized Business

Q Which of the following is closest to your point of view regarding Enersource's proposed Rometown Overhead system rebuild program?
[asked all respondents, n=200]



Note: 'Don't know' (1) not shown.

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Opinion of Proposed ICM Rate Impact

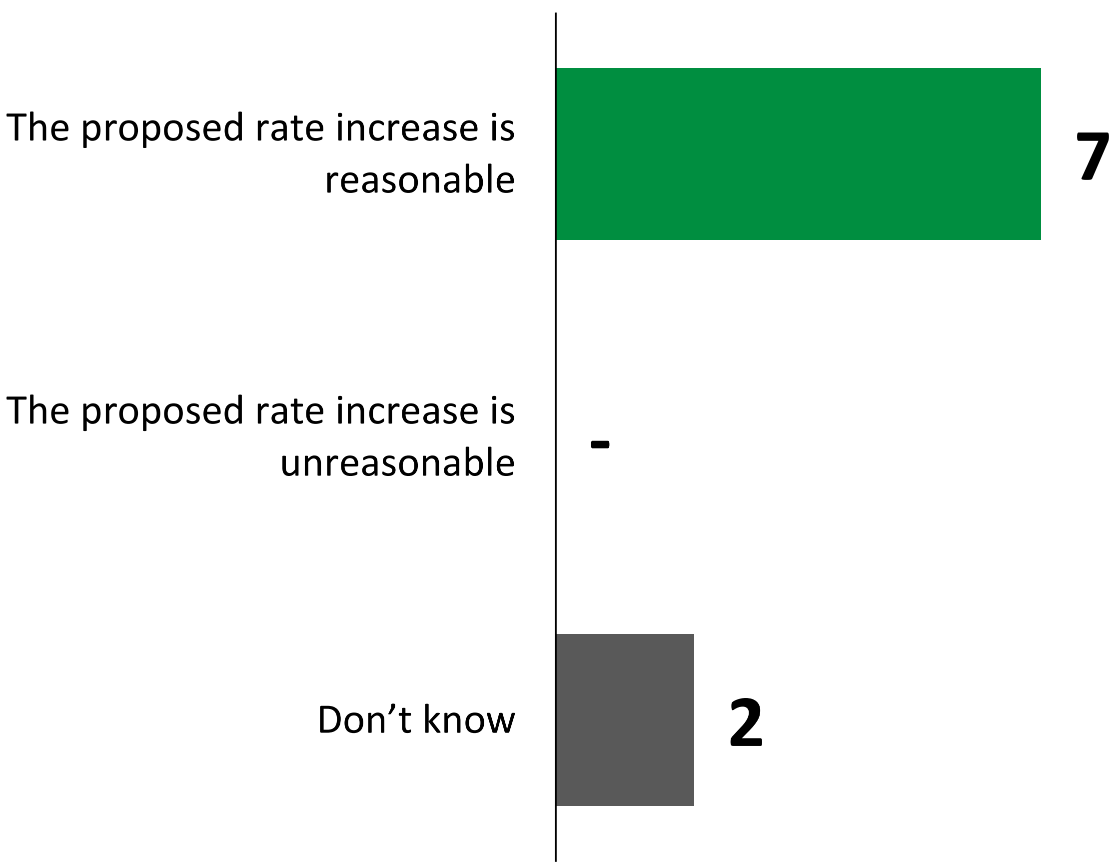
Large Use (2MW+)

Q As I mentioned earlier, each year Enersource is permitted to increase rates to reflect inflation minus a stretch factor which requires Enersource to find savings to keep cost increases below inflation.

In order to maintain the existing plan to replace aging infrastructure and complete the mandatory projects previously discussed, Enersource would need to add a [**PIPE**] charge to the typical mid-sized business customers monthly electricity bill, from 2019 to 2026.

That would result in an annual increase of [**PIPE**] each year over the course of the next eight years – *totalling* [**PIPE**] *over that period.*

What is your opinion on this proposed rate increase in 2019?
[asked all respondents, n=9]



Final Thoughts

Large Use (2MW+)

Q Before this survey concludes, do you have any additional comments or feedback you'd like to share with Alectra Utilities?

Note: all feedback is anonymous and you will not be identified to Alectra Utilities without your expressed permission.

6 of 9 → Nothing/Don't know

Verbatim:

Respondent 1)
Alectra/Enersource should find efficiencies to cover the cost of the projects rather than result in increased billing costs.

Respondent 2)
Thank you for all your help in getting our facilities on-boarded with the recent changes at Alectra.

Respondent 3)
We would like to continue with quarterly or biannual reliability meetings with Alectra, like we did with Enersource. We had developed a really good relationship.

We need strong communications and continued strong relationship with engineering department to respond back to inquiries.

Building Understanding.

Personalized research to connect you and your audiences.

For more information, please contact:

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Senior Consultant
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Appendix 2.0

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PowerStream Rate Zone

2019 ICM Application Consultation

MAY 2018

STRICTLY PRIVILEGED AND CONFIDENTIAL

Survey Methodologies

Field and Design

For the quantitative portion of the customer consultation, Alectra Utilities invited **PowerStream** heritage customers from three rate classes to participate in a 10-15 minute telephone survey.

- The **residential** survey fielded from **May 10-22, 2018** amongst **n=505** residential customers, with a margin of error of ±4.4%, 19 times out of 20.
- The **small business** survey fielded from **May 11-24, 2018** amongst **n=205** small business customers, with a margin of error of ±6.8%, 19 times out of 20.
- The **mid-market** survey fielded from **May 11-28, 2018** amongst **n=200** mid-market business customers, with a margin of error of ±6.9%, 19 times out of 20.

INNOVATIVE conducted all interviews through its computer assisted telephone interviewing (CATI) system.

This generalizable telephone survey used a stratified random sampling approach based on known characteristics of customers including region and consumption by rate class (residential, GS<50kW and GS>50kW).

Sample lists were provided by Alectra Utilities. Screening questions were designed to ensure only customers who received an electricity bill from Alectra Utilities were included. In addition, residential customers needed to have primary or shared responsibility over their household's electricity bill and only the organization's decision makers on electricity use were included in the business completes. Business customers could also be household customers of Alectra Utilities, but were reminded to respond as their organization's decision-maker as best as possible.

Note: *Graphs and tables may not always total 100% due to rounding values rather than any error in data. Sums are added before rounding numbers. Caution interpreting results with small n-sizes.*

Consumption Quartiles

The tables below illustrate the strata divisions for each rate class, based on region and consumption quartiles.

Dividing customer sample into quartiles based on known characteristics was used to develop accurate quotas to ensure the sample was representative of PowerStream's customer base.

Residential

Region	Low	Medium-Low	Medium-High	High	Total
Aurora	8	7	8	8	**31**
Barrie	20	20	19	20	**79**
Bradford	3	3	3	3	**12**
Markham	37	33	36	32	**138**
Richmond Hill	23	22	20	23	**88**
Vaughan	29	34	32	34	**129**
Other	7	7	7	7	**28**
Total	**127**	**126**	**125**	**127**	**505**

Small Business

Region	Low	Medium-Low	Medium-High	High	Total
Aurora	3	3	0	3	**9**
Barrie	8	8	14	11	**41**
Bradford	1	1	1	2	**5**
Markham	9	14	8	9	**40**
Richmond Hill	6	5	5	5	**21**
Vaughan	19	15	22	17	**73**
Other	6	4	2	4	**16**
Total	**52**	**50**	**52**	**51**	**205**

Rate Class	Low	Medium-Low	Medium-High	High	Total
Mid-Market	n=50	n=50	n=50	n=50	**n=200**

Note: Due to small sample size, no regional quotas were set for mid-market customers in the PowerStream rate zone.

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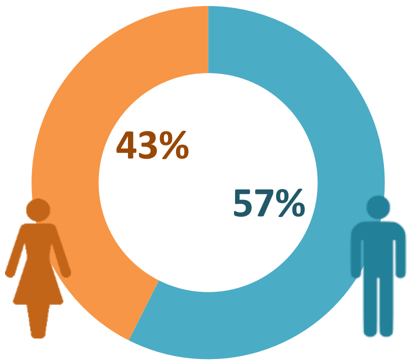
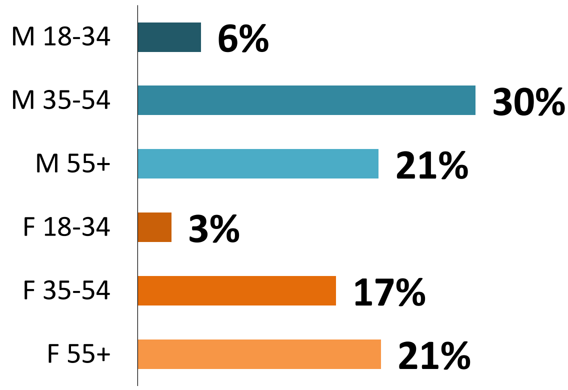
Residential Rate Class

Segmentation & Demographics

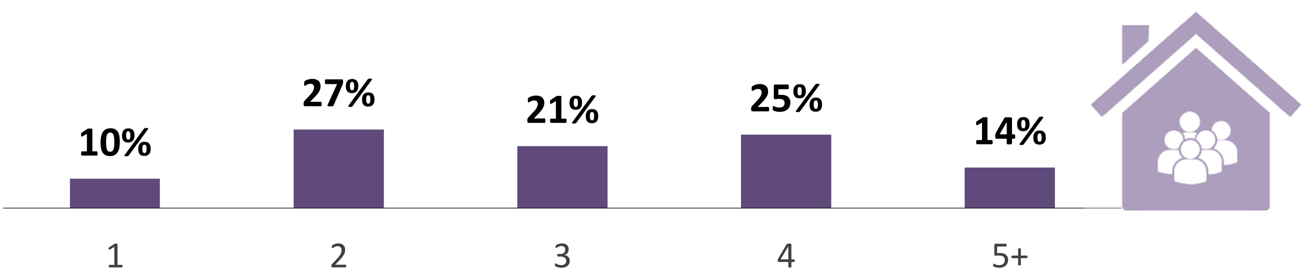
Age-Gender





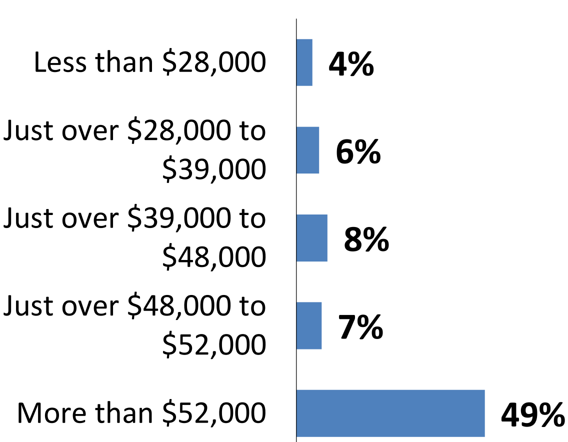
Note: 'Refused' (2%) not shown.

Household Size



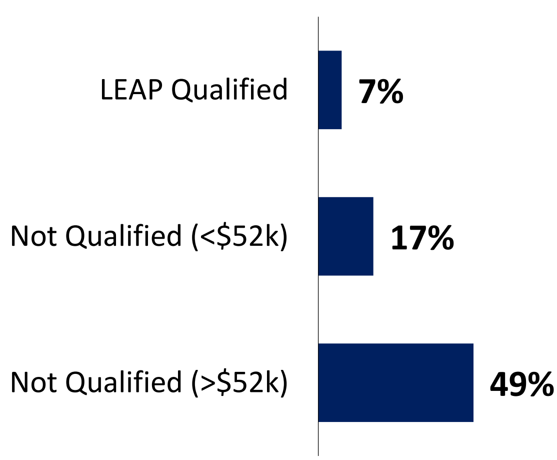
Note: 'Refused' (2%) not shown.

Household Income After Tax



Note: 'Refused' (24%), 'Not sure' (2%) not shown.

LEAP Qualification

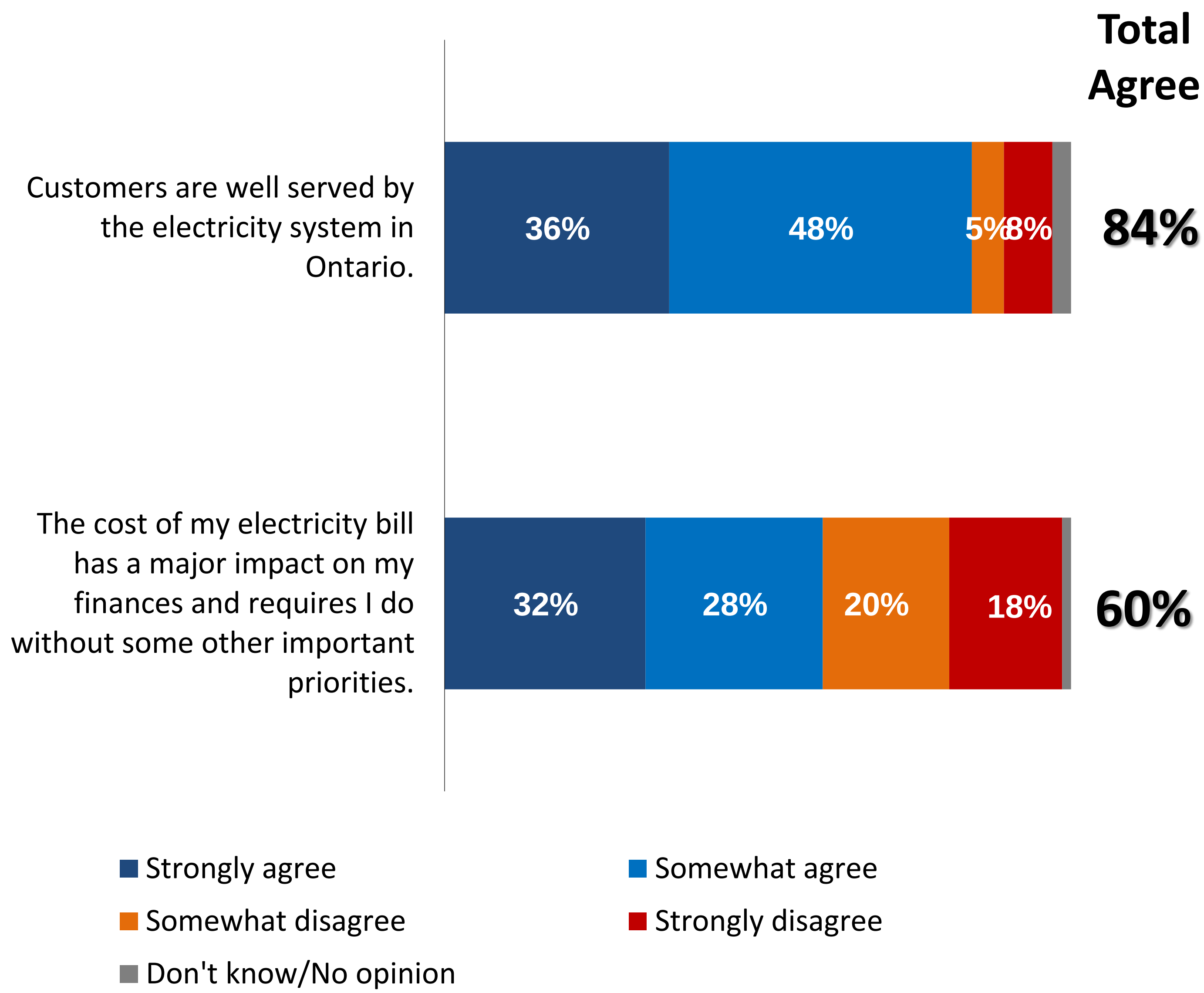


Note: 'Refused' (24%), 'Not sure' (2%) not shown.

Segmentation & Demographics

Residential

Q For each statement please tell me if you would strongly agree, somewhat agree, somewhat disagree or strongly disagree. If you don't know enough to say or don't have an opinion just let me know.
[asked all respondents, n=505]



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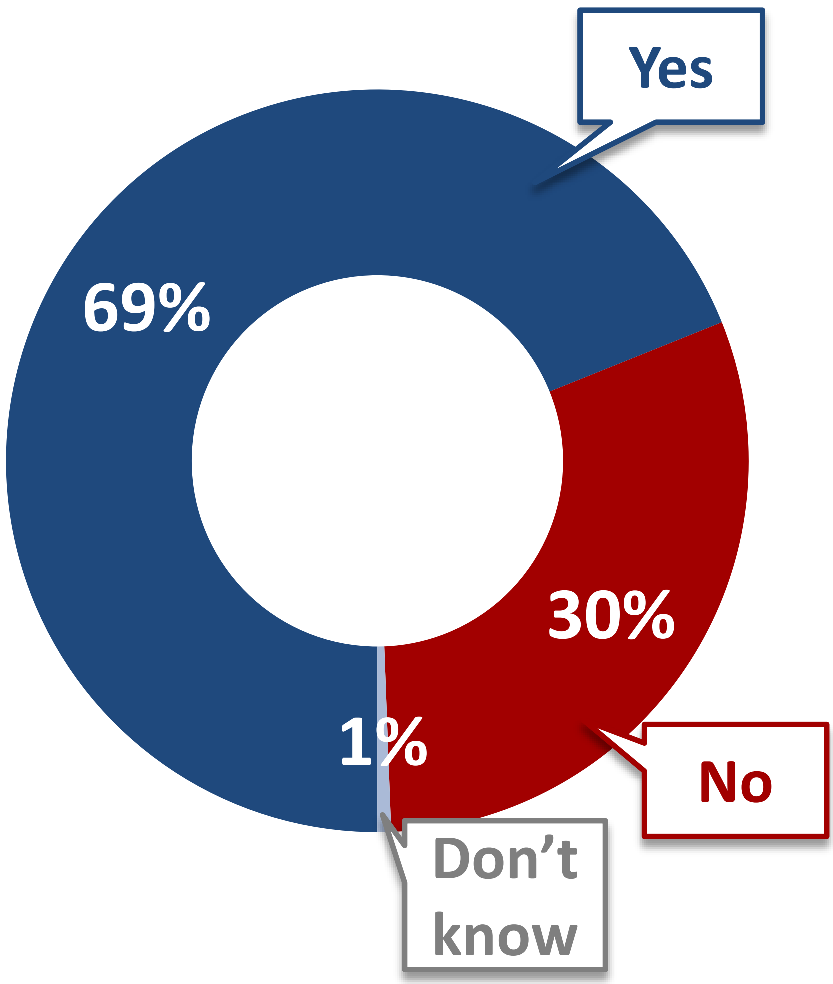
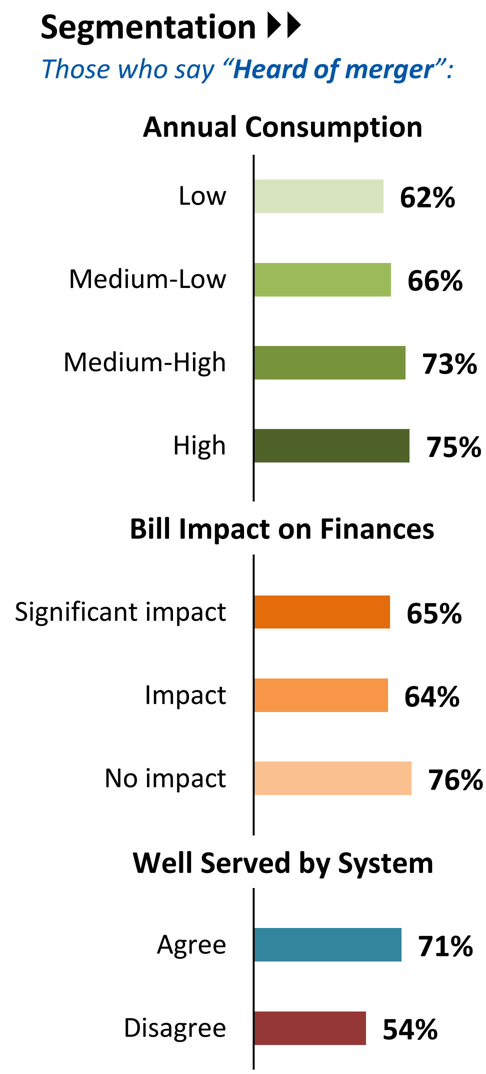
Awareness of Merger

Residential

Q You may have recently heard that PowerStream has merged with neighbouring electricity distributors to form a new company called Alectra Utilities.

Had you heard of the Alectra Utilities merger before this survey?
[asked all respondents, n=505]





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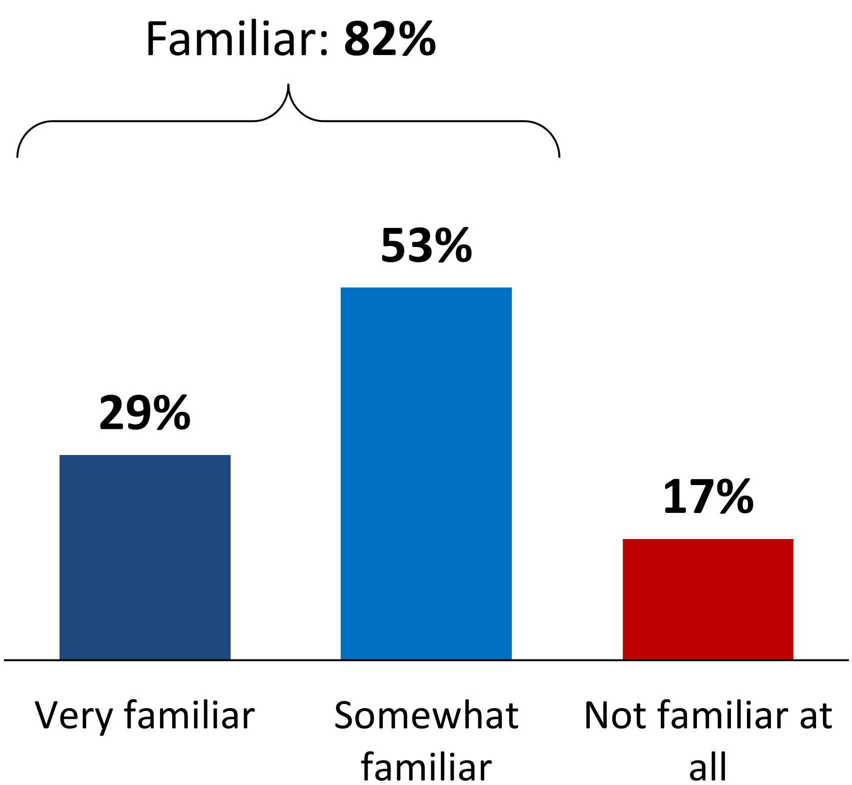
Familiarity with PowerStream

Residential

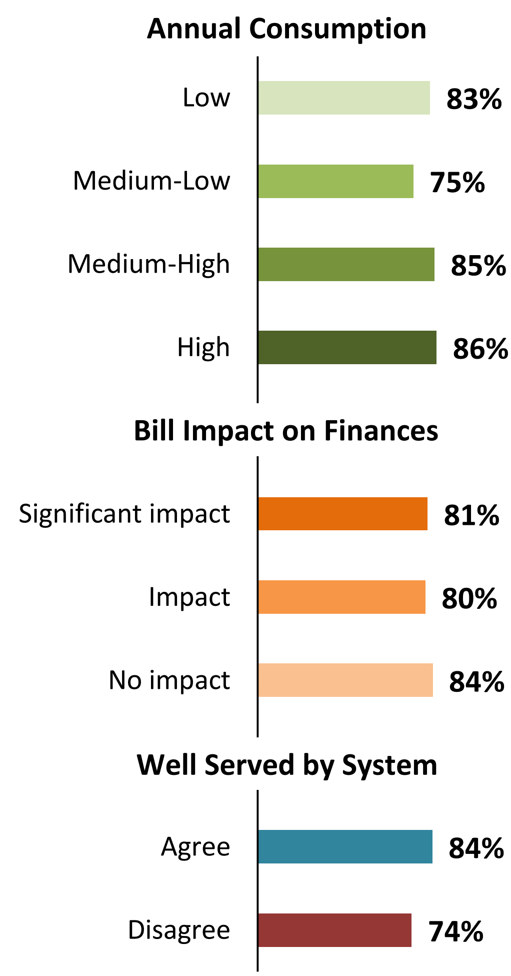
Q Firstly, let's talk about your experience. As you may know, PowerStream operates and maintains the local electricity distribution system in this area. This is the system that takes the electricity from provincial transmission lines and brings it to your home through a network of wires, poles and other equipment that is owned and operated by PowerStream.

How familiar are you with PowerStream?
[asked all respondents, n=505]



Segmentation

*Those who say "**Familiar**":*



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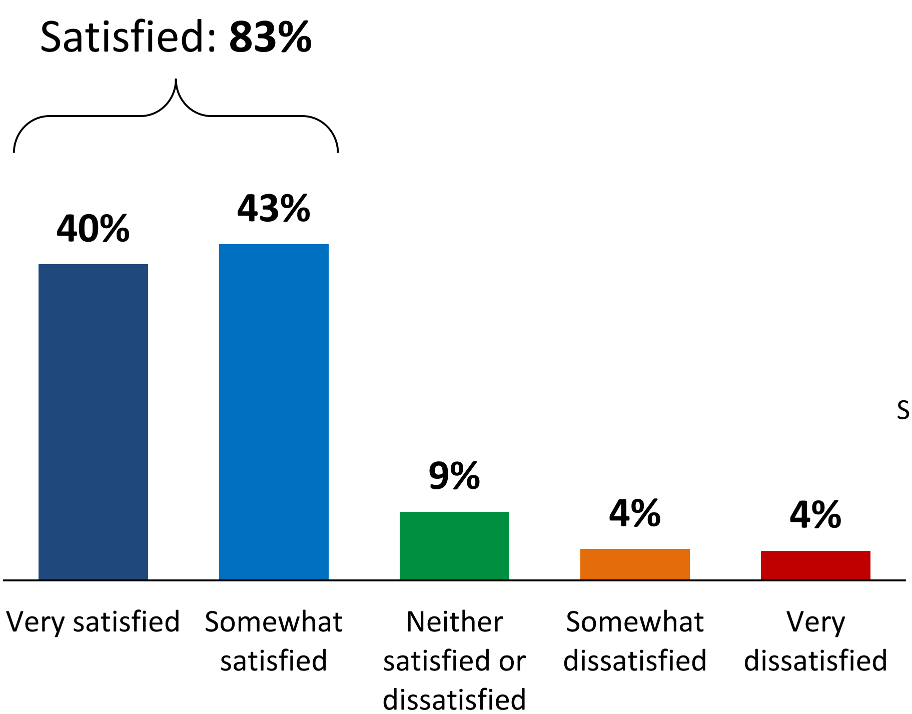
Note: 'Don't know' (1%) not shown.

Satisfaction with Services

Residential

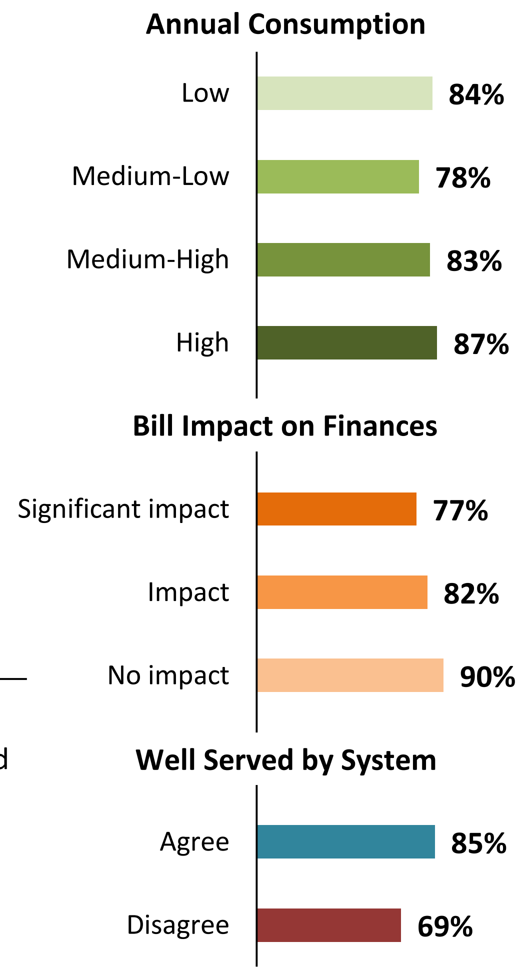
Q In general, how satisfied or dissatisfied are you with the services you receive from PowerStream? Would you say you are very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied?

[asked all respondents, n=505]



Segmentation

*Those who say "**Satisfied**":*



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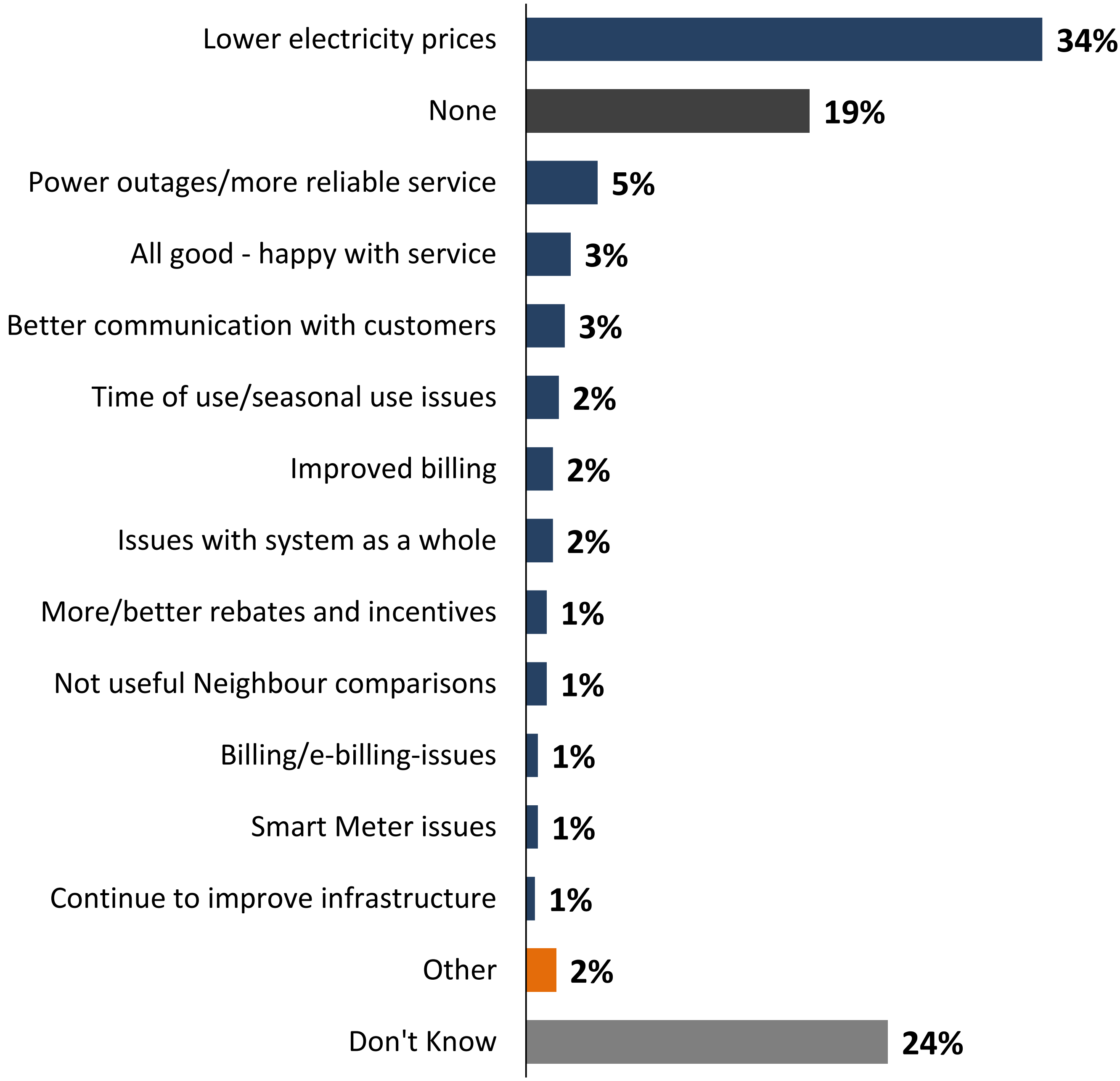
Note: 'Don't know' (1%) not shown.

Suggestions for Improvements

Residential

Q Is there anything in particular PowerStream can do to improve its service to you?
[asked all respondents, n=505]



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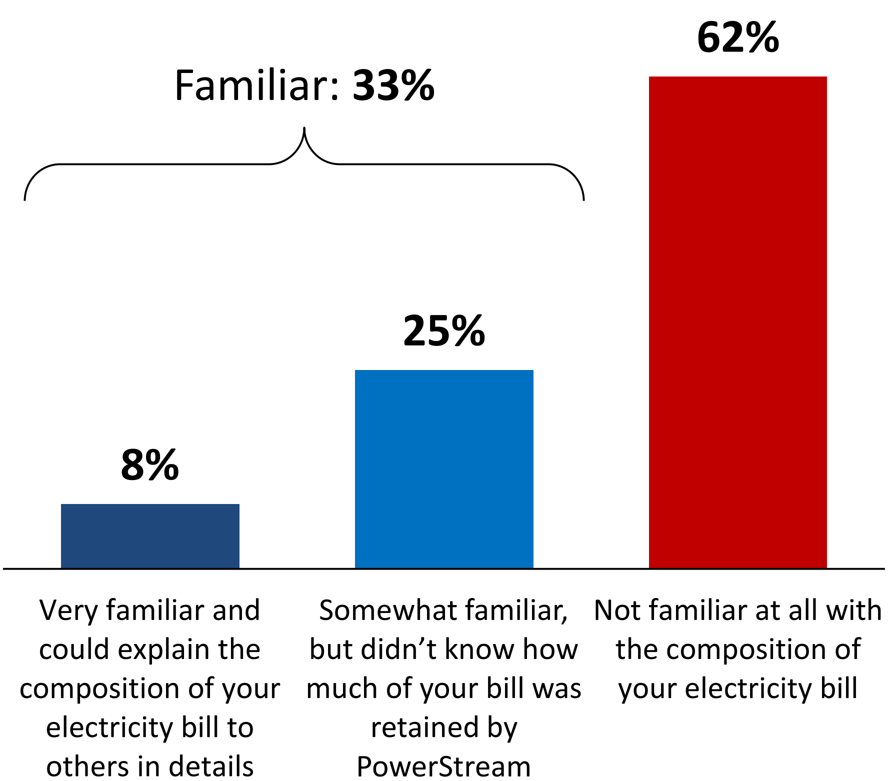
Familiarity with Amount of Electricity Bill Remitted

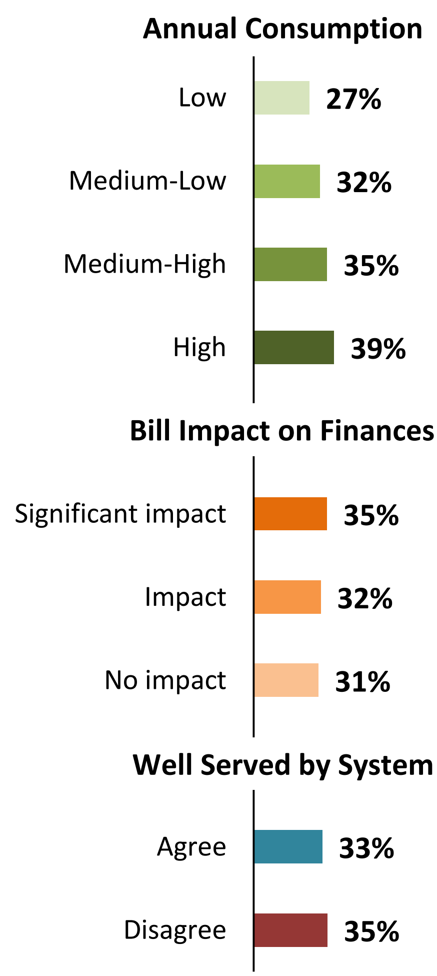
Residential

Q I'd now like to talk with you about your electricity bill … While Powerstream is responsible for collecting payment for the entire electricity bill, they retain about 26% of the typical residential customer's bill. This is about $28.48 on an average $108.81 monthly residential electricity bill. The rest of the bill goes to power generation companies, transmission companies, the provincial government and regulatory agencies.

Before this survey, how familiar were you with the percentage of your electricity bill that is retained by PowerStream?
[asked all respondents, n=505]



Segmentation ▶▶
*Those who say "**Familiar**":*



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Note: 'Don't know' (5%) not shown.

Customer Priorities

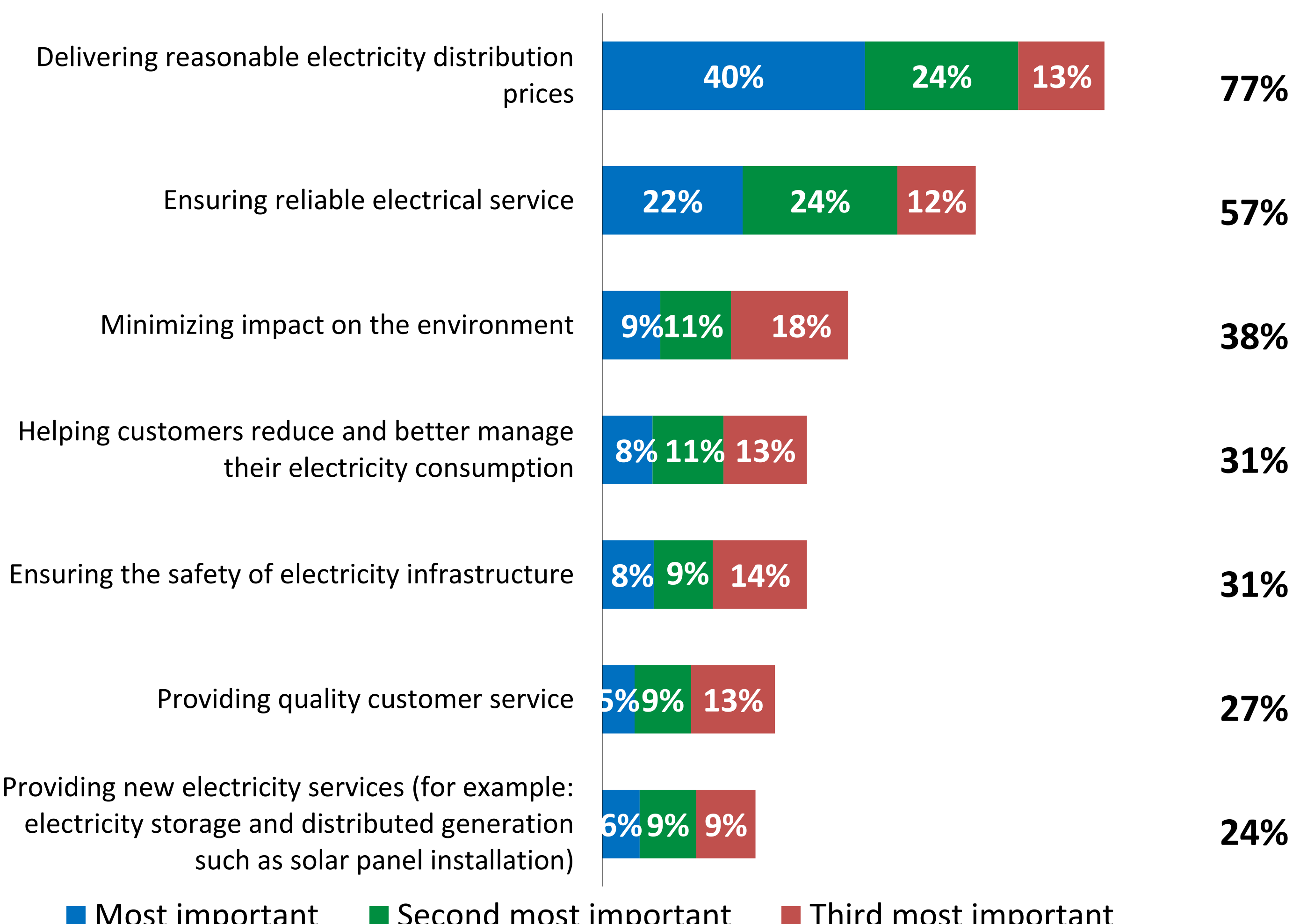
Residential

Q Now lets talk about our second topic – outcomes. PowerStream regularly holds discussions with its customers to better understand how it should set spending priorities with the money customers pay for service.

In recent conversations with customers, a number of company goals were identified as key priorities for PowerStream.

Among the following PowerStream priorities, please tell me which one is most important to you.
[asked all respondents, n=505, percentages are calculated based on the full sample]

Top 3 Priority



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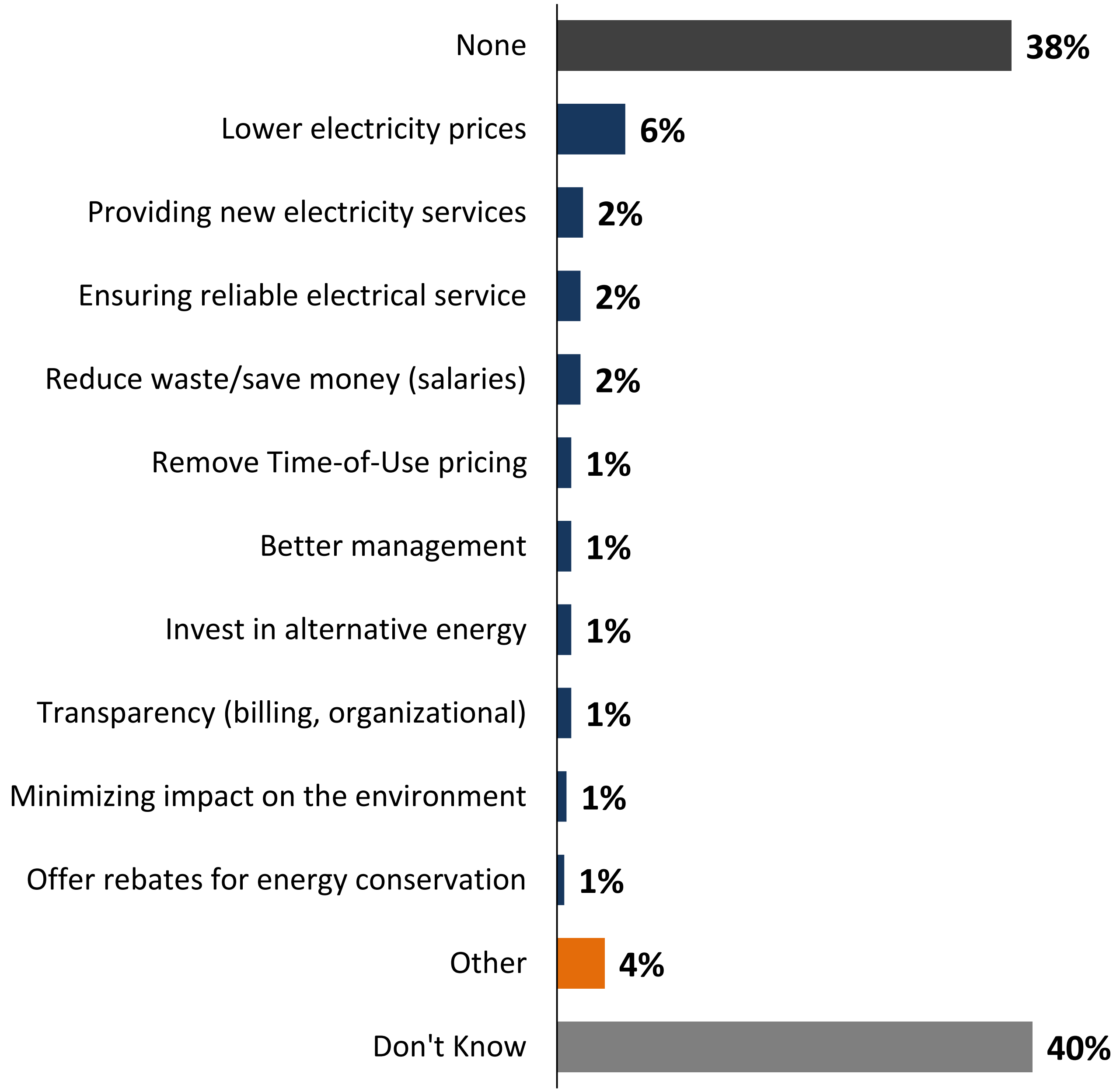
Additional Priorities

Residential

Q Are there any other important priorities that PowerStream should be focusing on that weren't included in the previous list I read to you?
[asked all respondents, n=505]



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System Reliability

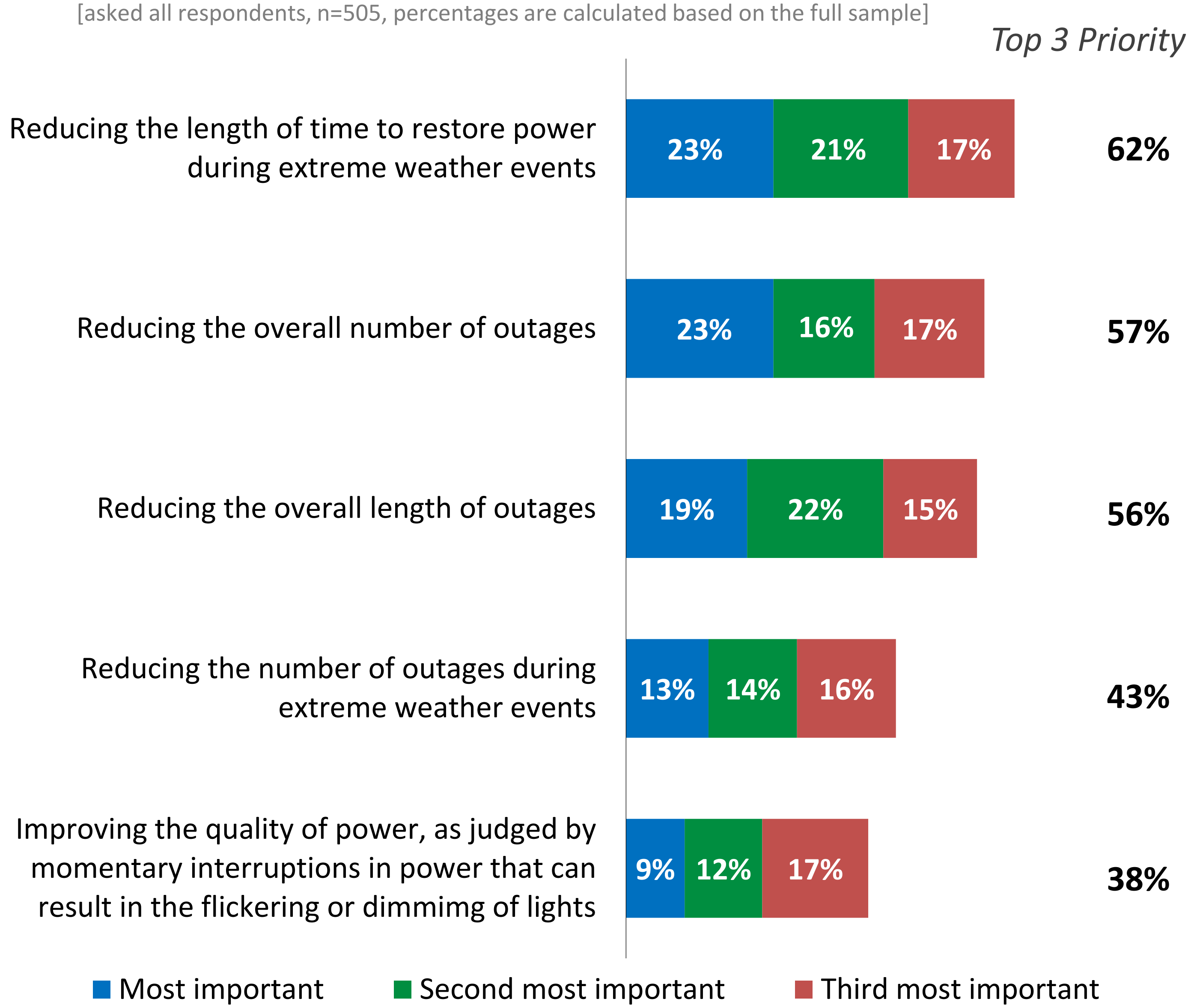
Residential

Q We would like to understand your experience with reliability.

There are different outcomes when customers talk about power reliability.

Among the following reliability outcomes, please tell me which one is most important to you.

[asked all respondents, n=505, percentages are calculated based on the full sample]



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Familiarity with how Electricity Rates are Set

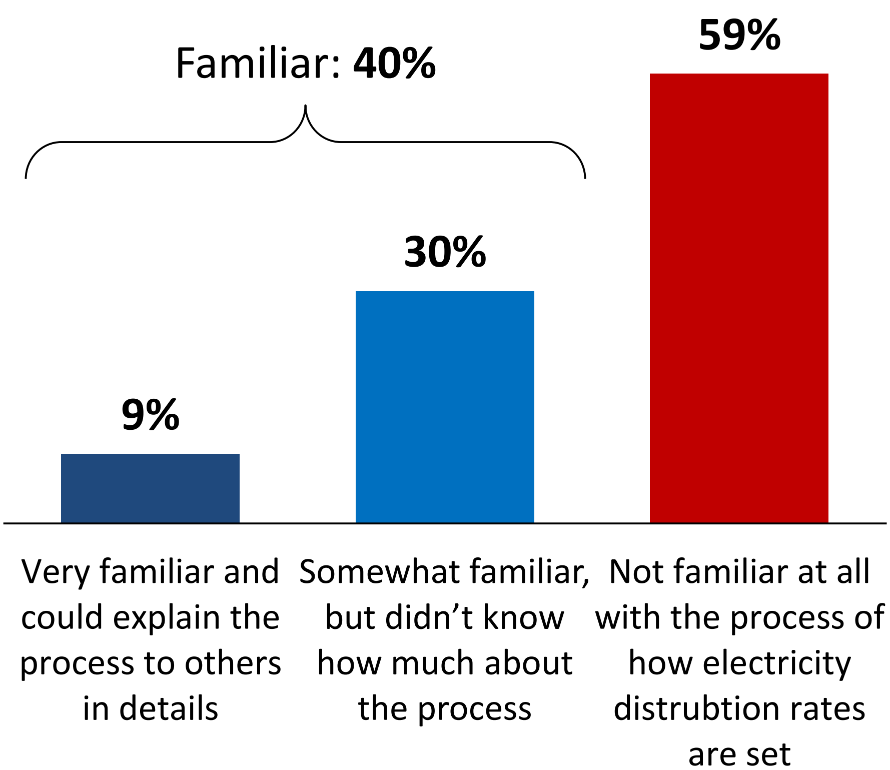
Residential

Q *Now, lets turn to our third topic, investment trade-offs.* The electricity industry in Ontario is regulated by the Ontario Energy Board, otherwise known as the O-E-B. The OEB sets electricity rates in Ontario.

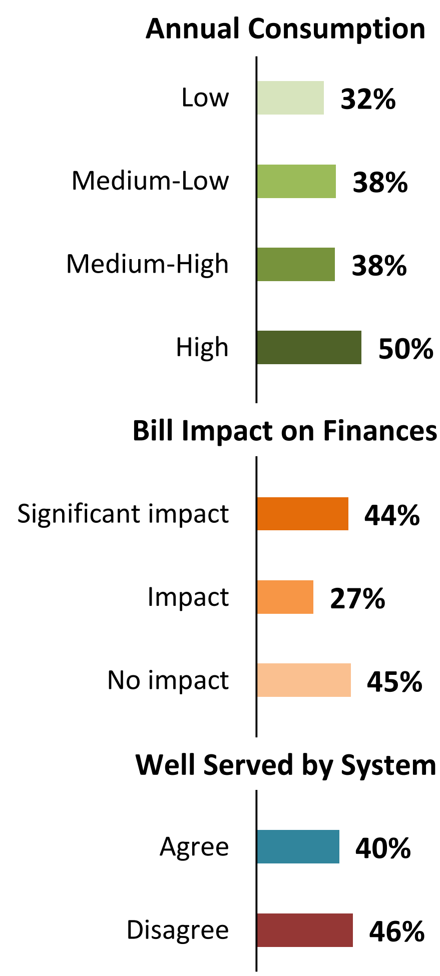
The OEB requires electricity distributors, such as Alectra Utilities, to develop its business plan and distribution system plan, as well as make spending and investment decisions based on customer feedback.

Electricity distributors are funded by the distribution rates paid by their customers. Periodically, distributors are required to file rate applications with the OEB to justify the amount of funding they need to safely and reliably distribute electricity to their customers.

Before this survey, how familiar were you with how electricity distribution rates are set in Ontario?
[asked all respondents, n=505]



Segmentation
*Those who say "**Familiar**":*



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Note: 'Don't know' (1%) not shown.

Investment Trade-Off Preamble

Residential

"Alectra Utilities is now starting to create its first overall investment plan as a merged utility. The OEB divides electricity distributor investments into four categories. One category called system access includes investments that are mandatory under the distributor's licence to operate. These include reasonable costs to connect new customers and moving existing infrastructure to accommodate civic improvements.

The spending in the other three categories involves finding the right balance between the impact on your bill and the service you receive. We would now like ask a few questions about your preferences when it comes to finding the right balance between costs and other outcomes.

I want to start by asking you about system renewal, that is the projects that replace aging electrical infrastructure."

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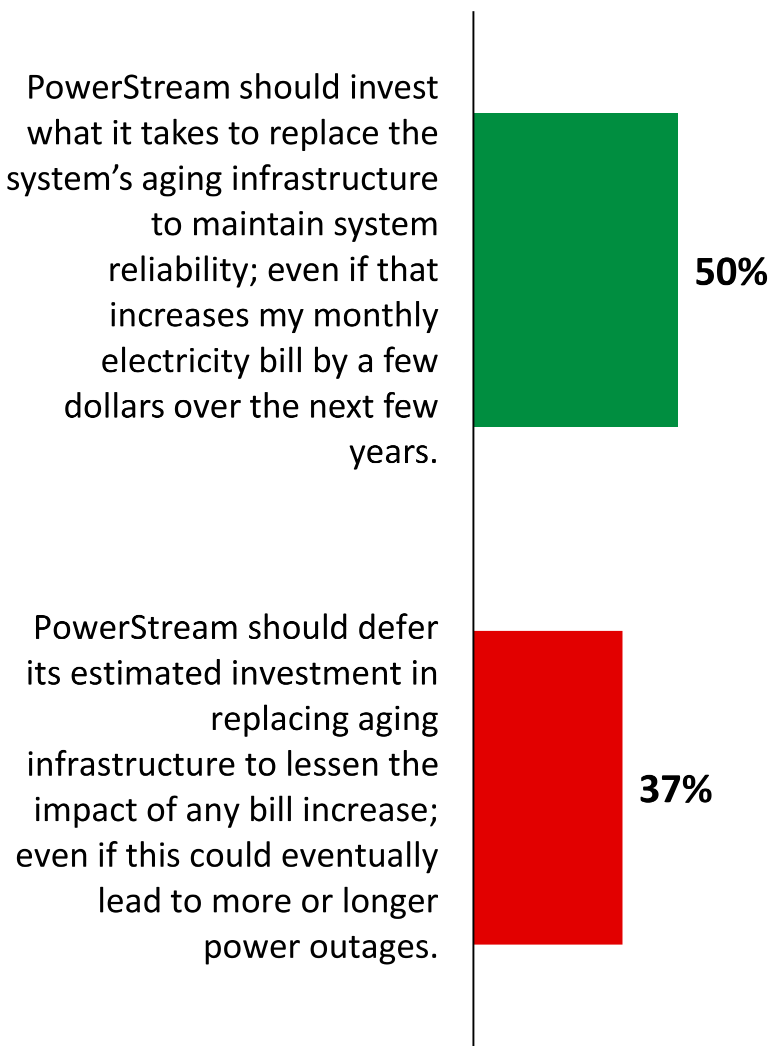
Investments in Aging Infrastructure

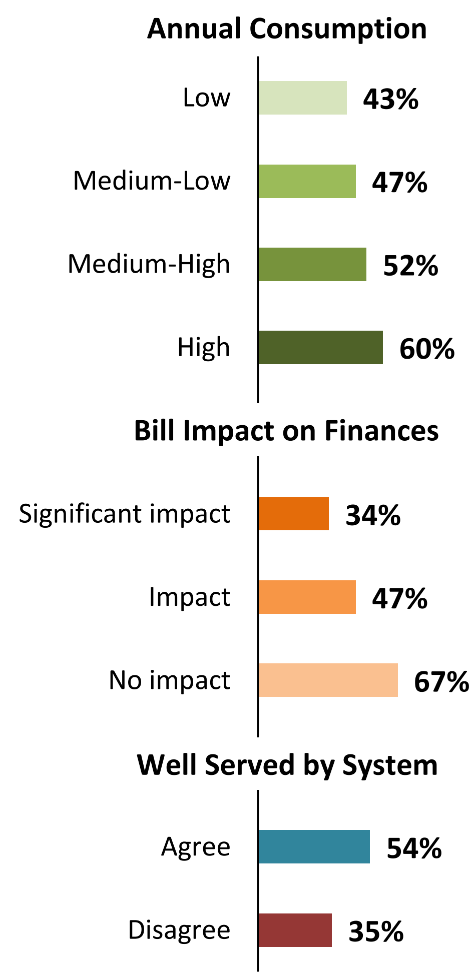
Residential

Q While PowerStream works hard to prolong the life of the assets that make up its distribution system, eventually these assets reach the end of their useful life and require replacement. Currently the average customer experiences **1.1 outages a year for an average of 57 minutes**. When adjusted to remove outages due to loss of supply from the transmission system and major storms, 42% of unscheduled outages are as a result of equipment failure in the PowerStream rate zone. However, it is not possible to predict exactly when a specific piece of aging equipment will fail. PowerStream must decide the pace at which it replaces this aging equipment.

Which of the following statements best represents your point of view?
[asked all respondents, n=505]



Segmentation
*Those who say "**Invest what it takes**":*



INNOVATIVE RESEARCH GROUP

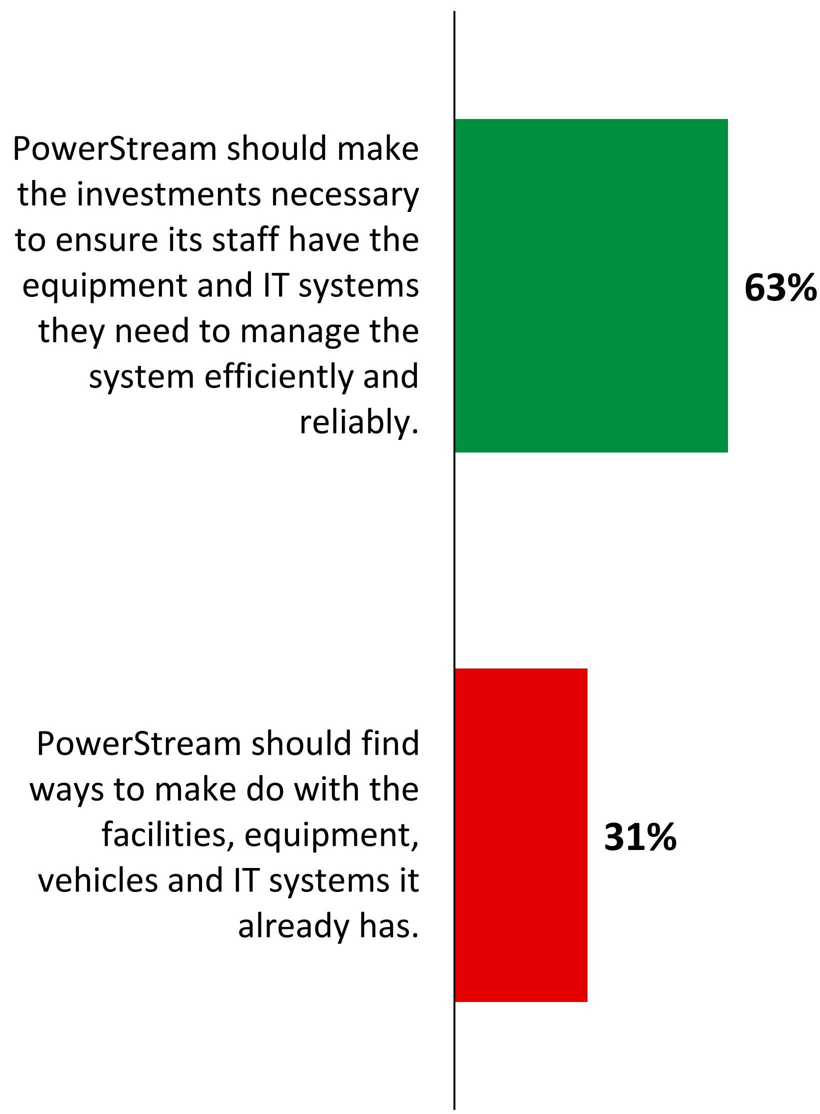
Note: 'Don't know' (8%), 'Refused' (5%) not shown.

General Plant Investments

Residential

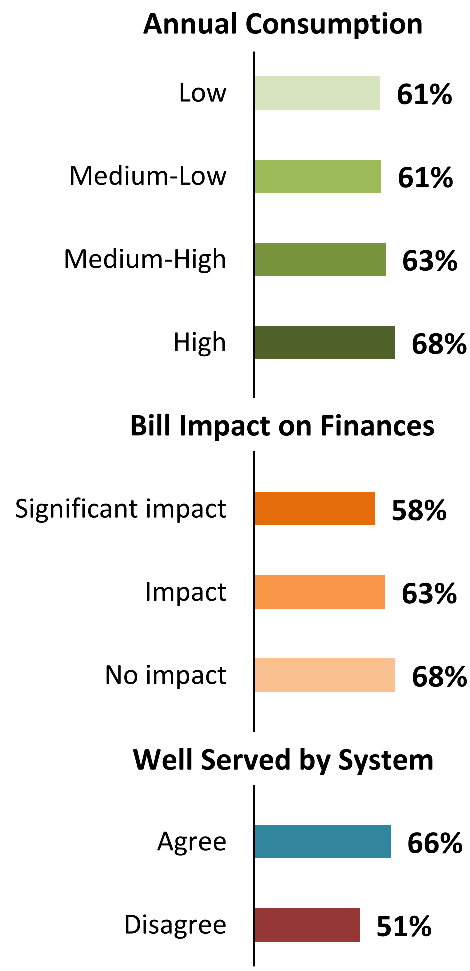
Q As a company, PowerStream needs facilities to house staff and equipment, vehicles and tools to service electrical infrastructure, and IT systems to manage the distribution system and customer information..

Which of the following statements best represents your point of view?
[asked all respondents, n=505]



Segmentation

*Those who say "**make necessary investments**":*



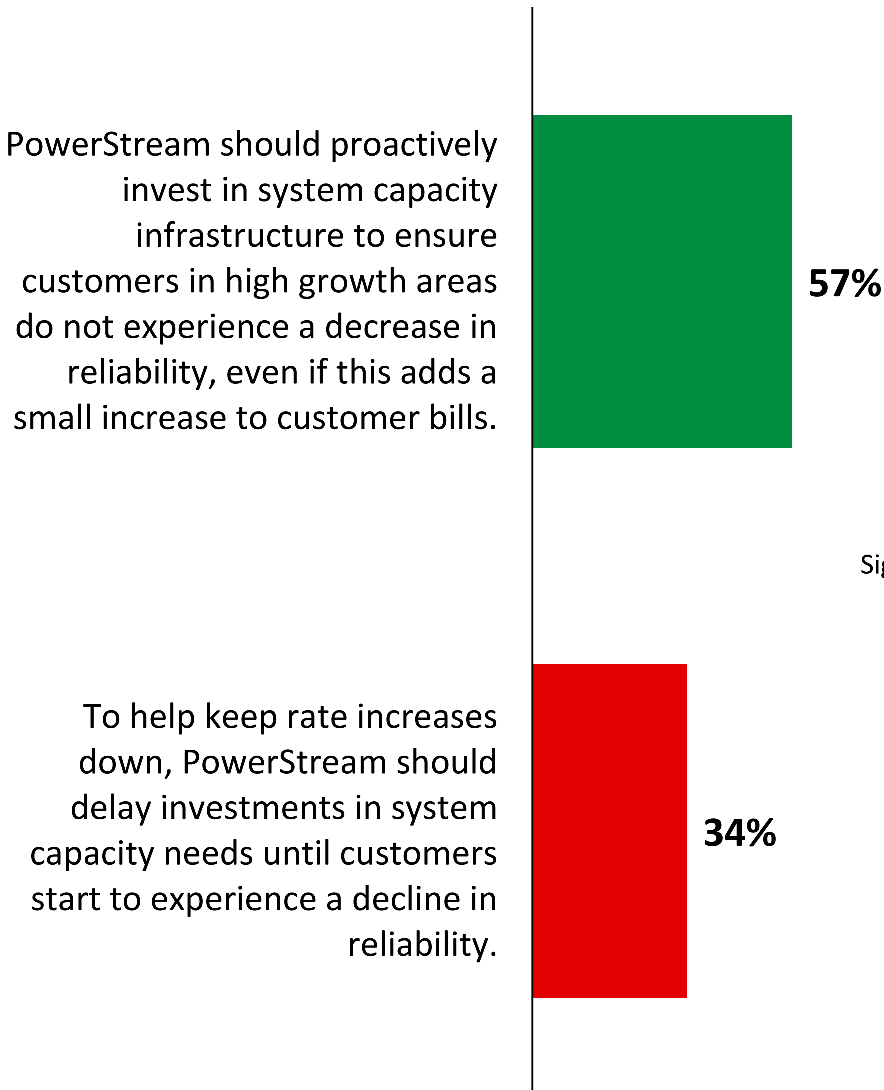
Note: 'Don't know' (5%), 'Refused' (1%) not shown.

System Service Investments

Residential

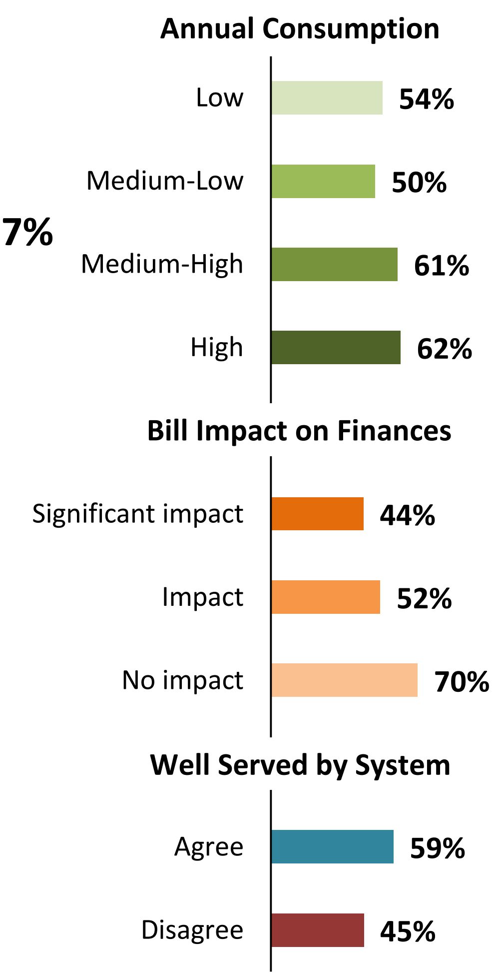
Q With growth in various parts of the PowerStream service area comes greater demand for electricity. This increased demand for electricity puts increased pressure on the existing electrical infrastructure. Eventually, further infrastructure investments will be required to support increased demand for electricity.

With this in mind, which of the following statements best represents your point of view?
[asked all respondents, n=505]



Segmentation

*Those who say "**proactively invest in system capacity**":*



INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (6%), 'Refused' (4%) not shown.

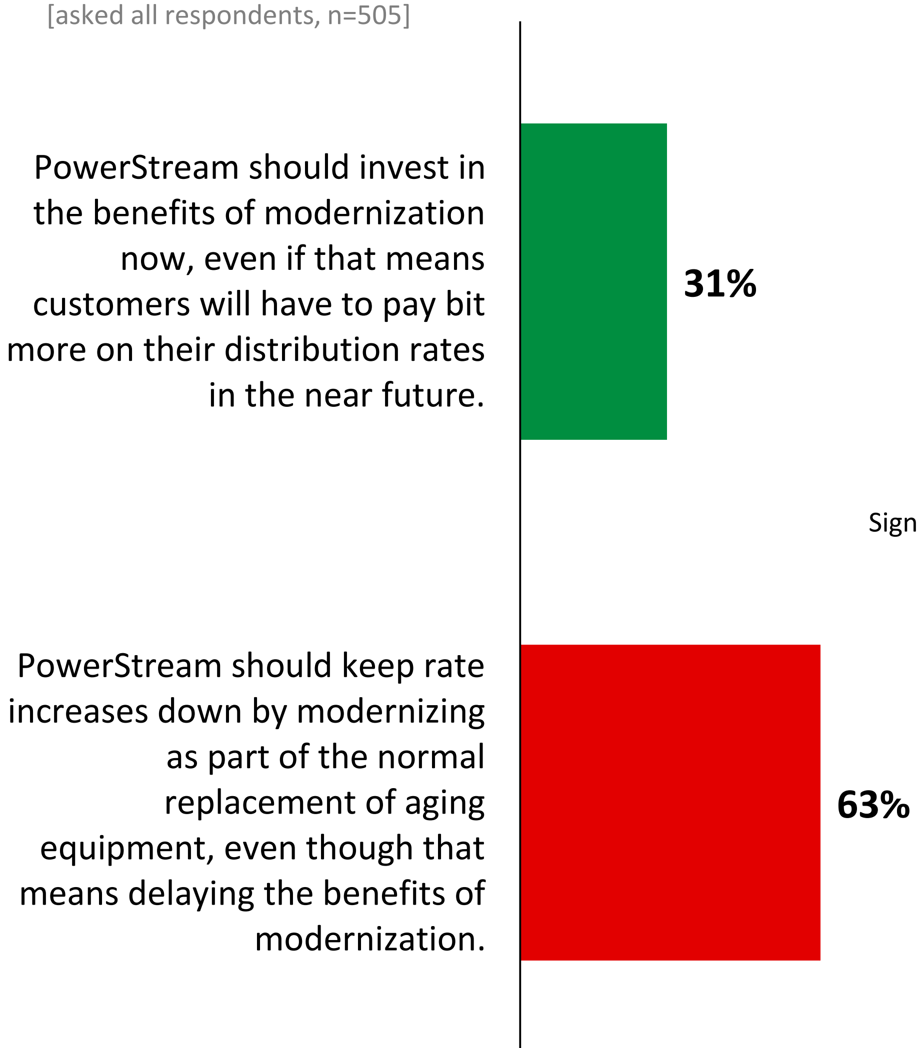
Modernizing the Distribution System

Residential

Q There are new technologies that PowerStream can implement such as microgrids, electricity storage, and automatic switches that can give customers more choices, improve reliability or reduce the impact on the environment.

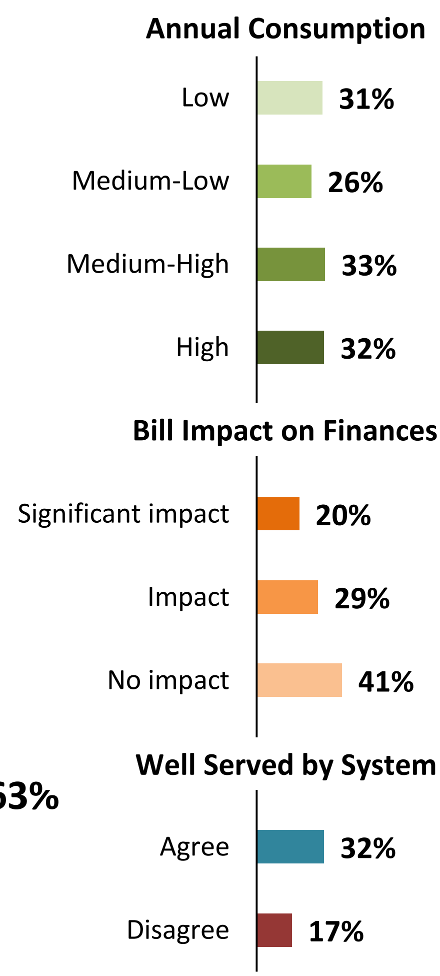
These investments would create a better grid, but are not required to maintain the reliability that you experience today.

Which of the following statements best represent your point of view?
[asked all respondents, n=505]



Segmentation

*Those who say “**invest in modernization now**”:*



INNOVATIVE RESEARCH GROUP

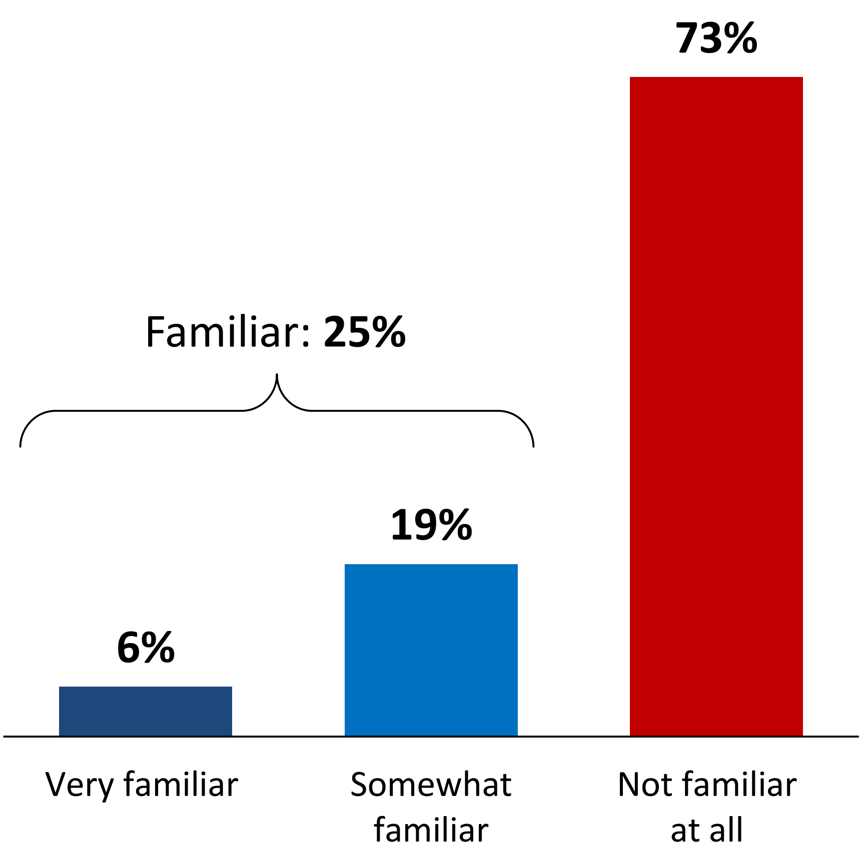
Note: ‘Don’t know’ (5%), ‘Refused’ (2%) not shown.

Familiarity with OEB “Cost Saving” Requirements

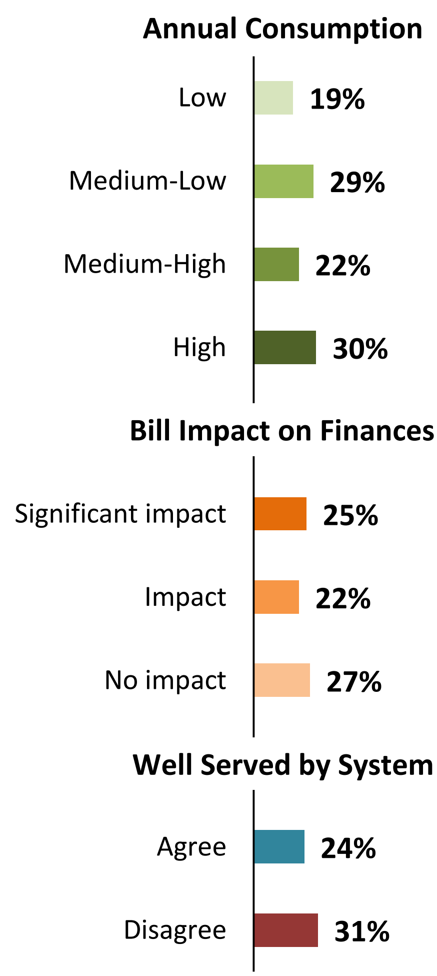
Residential

Q As we mentioned earlier, the rates you pay to PowerStream are set by the OEB through a public process. PowerStream’s current rates were approved in a 2017 application and will be in place until 2027. Each year PowerStream is permitted to increase rates to reflect inflation minus savings targets established by the OEB which requires PowerStream to keep cost increases below inflation.

Before this survey, how familiar were you with the OEB requirement for PowerStream to find savings every year?
[asked all respondents, n=505]



Segmentation
*Those who say “**Familiar**”:*



INNOVATIVE RESEARCH GROUP

Note: ‘Don’t know’ (2%) not shown.

ICM Rate Impact Preamble

Residential

"Now let's turn to our final topic – possible new projects. As part of the OEB policies, there is an option for PowerStream to apply for additional rate increases for discrete projects projects that are prudent, needed and not supported by existing rates. Looking ahead to 2019, PowerStream has identified three projects that need more investment than the existing budget allows.

One project involves relocating six major feeder lines and the accompanying metering equipment to accommodate the rebuild of a major Transmission substation. PowerStream is using the lowest cost option to complete this project.

The second project involves relocating poles and wires as part of the York Region Rapid Transit VIVA bus projects. There are no major design choices in this project."

INNOVATIVE RESEARCH GROUP

Bathurst Street Road Widening Preamble

Residential

"The third project involves relocating both overhead and underground wires and supporting equipment as part of the Bathurst Street road widening from Highway 7 to Teston road.

Powerstream has two options for this project. It can [ROTATE]:

- *move the current mix of overhead and underground wires and equipment at a cost of $5.5 million dollars, OR*
- *replace the overhead system with an underground system for better protection against weather and collisions from vehicles at a cost of between $25 and $35 million dollars."*

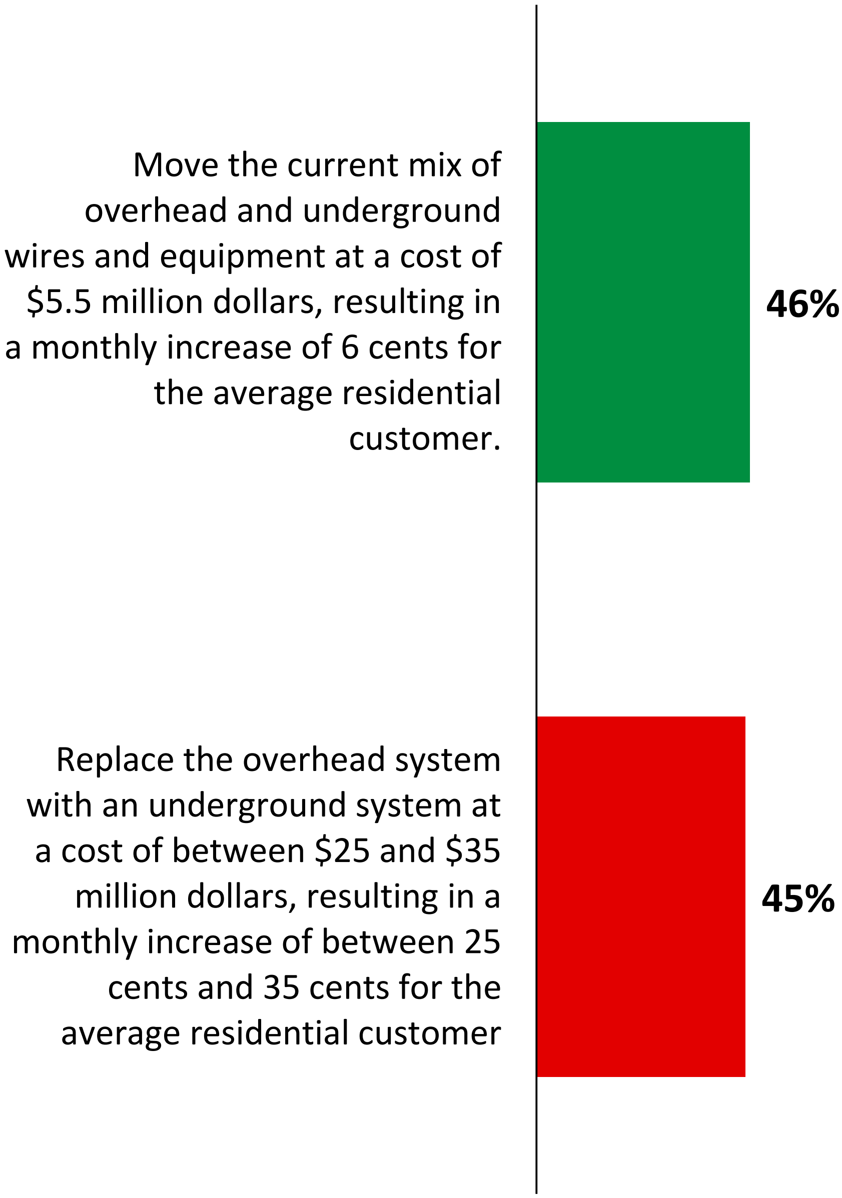
INNOVATIVE RESEARCH GROUP

Bathurst Street Road Widening

Residential

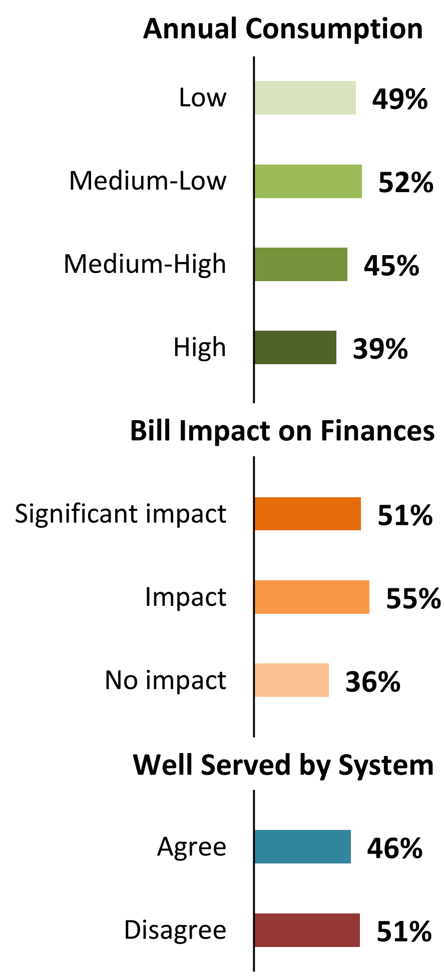
Q Given earlier customer feedback emphasizing the need to keep rate increases down, PowerStream is currently planning on taking the first option - to move the current mix of overhead and underground wires and equipment

Which option do you prefer?
[asked all respondents, n=505]



Segmentation ▶▶

*Those who say "**Move current mix of equipment**":*



INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (5%), 'Refused' (3%) not shown.

Opinion of Proposed ICM Rate Impact

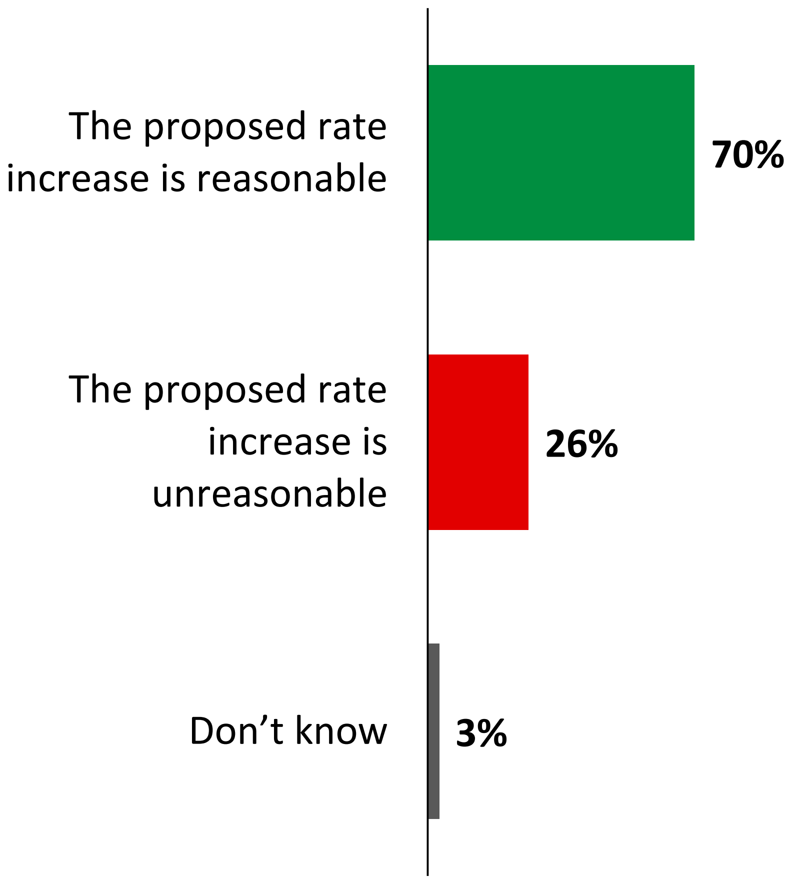
Residential

Q As I mentioned earlier, each year PowerStream is permitted to increase rates to reflect inflation minus a stretch factor which requires PowerStream to find savings to keep cost increases below inflation. In order to maintain the existing plan to replace aging infrastructure and complete the mandatory projects previously discussed, PowerStream would need to add a 21 cent charge to the typical residential customers monthly electricity bill, from 2019 to 2026.

That would result in an annual increase of $2.52 each year over the course of the next eight years – *totalling $20.16 over that period.*

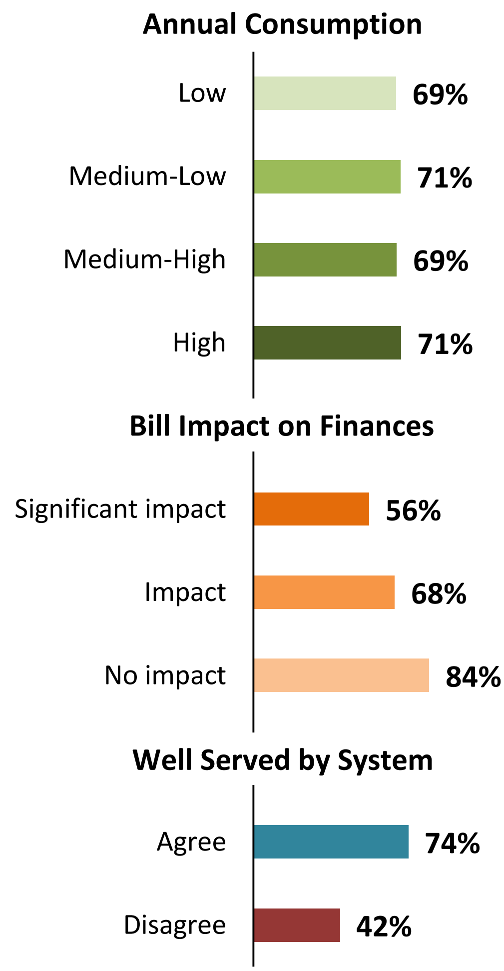
What is your opinion on this proposed rate increase in 2019?

[asked all respondents, n=505]



Segmentation ▶▶

*Those who say "**Rate increase is reasonable**":*



INNOVATIVE RESEARCH GROUP

Note: 'Refused' (1%) not shown.

Opinion of Proposed ICM Rate Impact

Residential

Q What is your opinion on this proposed rate increase in 2019?
[asked all respondents, n=505]

Bill Impact on Finances

Proposed 2019 Rate Increase	*The cost of my electricity bill has a major impact on my finances and requires I do without some other important priorities.*			*Total*
	Sig. Impact [n=162]	**Impact** [n=143]	**No Impact** [n=193]	
The proposed rate increase is reasonable	56%	68%	84%	**70%**
The proposed rate increase is unreasonable	41%	27%	12%	**26%**

Low-income Energy Assistance Program (LEAP) Qualification

Proposed 2019 Rate Increase	*LEAP Qualification*			*Total*
	LEAP Qualified [n=37]	**Not Qualified (<$52k)** [n=88]	**Not Qualified (>$52k)** [n=248]	
The proposed rate increase is reasonable	68%	60%	78%	**70%**
The proposed rate increase is unreasonable	30%	34%	20%	**26%**

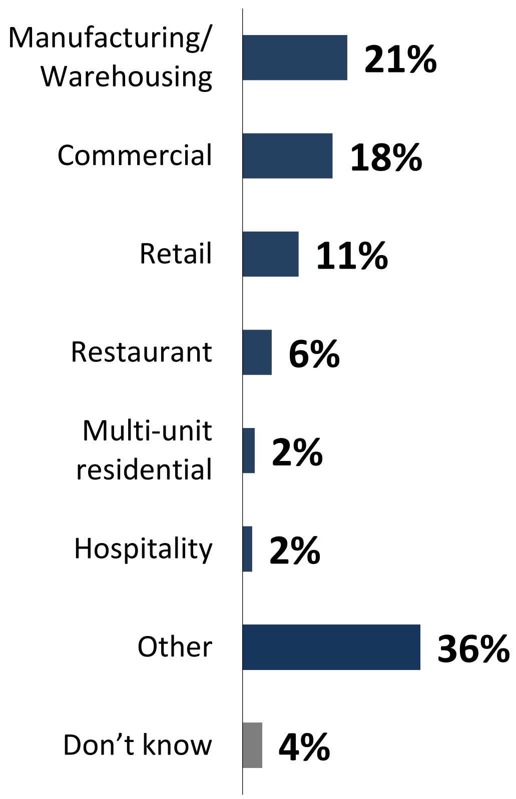
INNOVATIVE RESEARCH GROUP

Small Business Rate Class

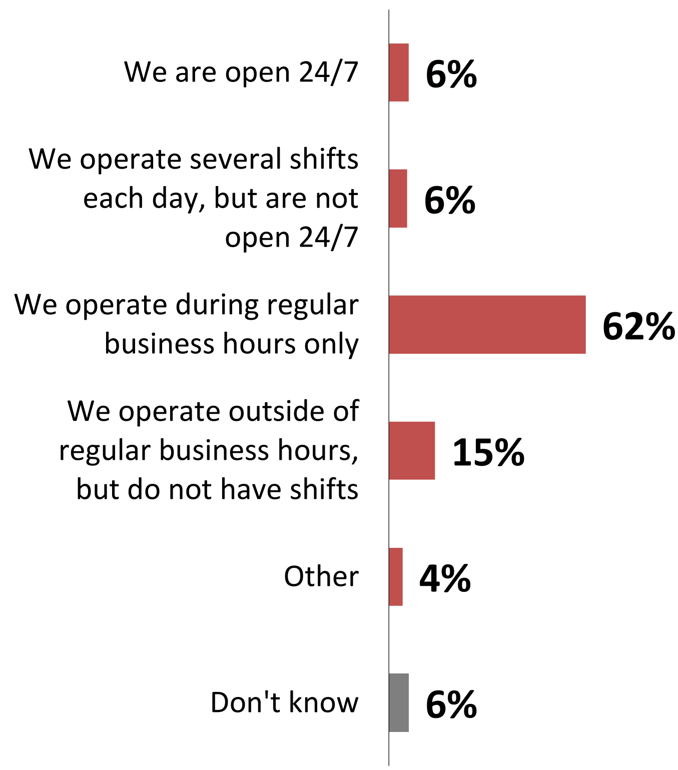
Segmentation & Firmographics

Small Business

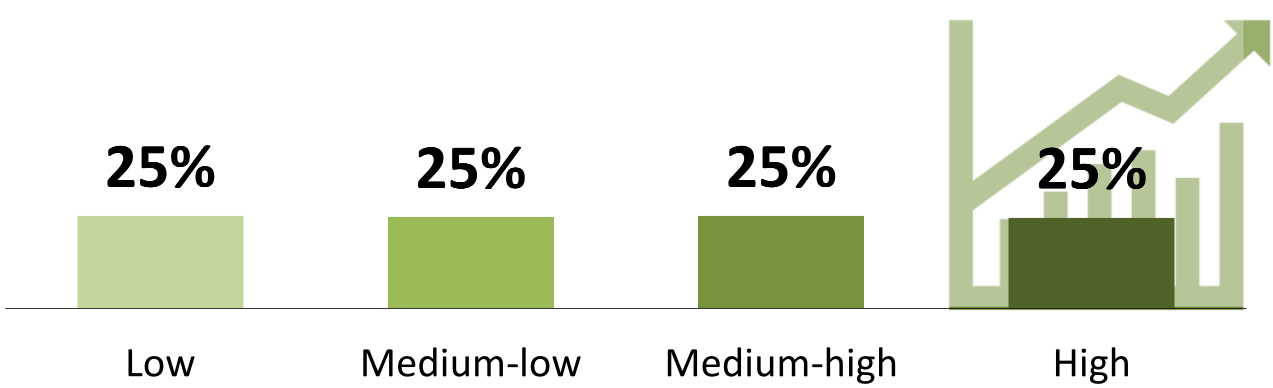
Sector



Hours of Operation



Annual Consumption

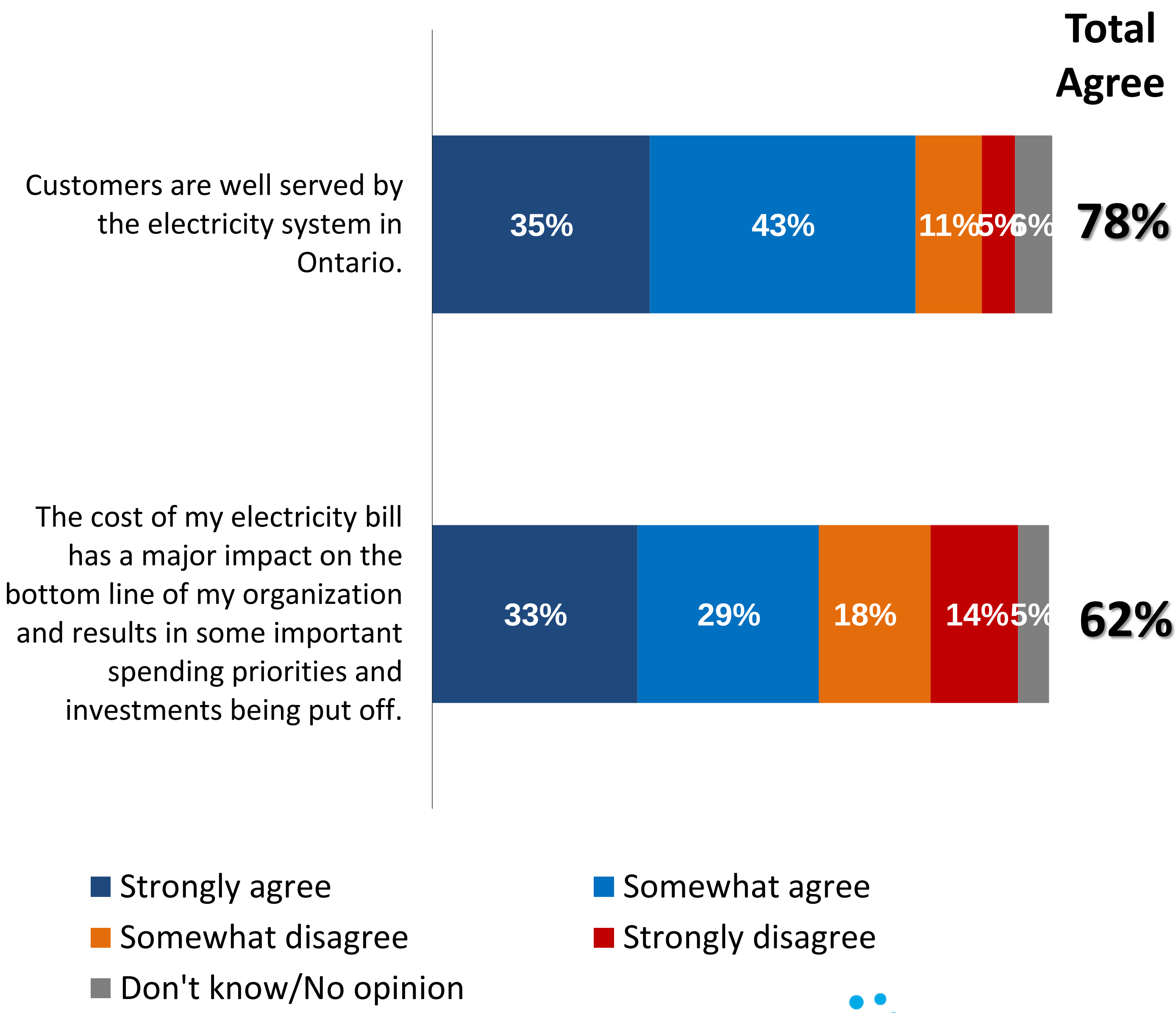


Segmentation & Firmographics

Small Business

Q For each statement please tell me if you would strongly agree, somewhat agree, somewhat disagree or strongly disagree. If you don't know enough to say or don't have an opinion just let me know.

[asked all respondents, n=205]



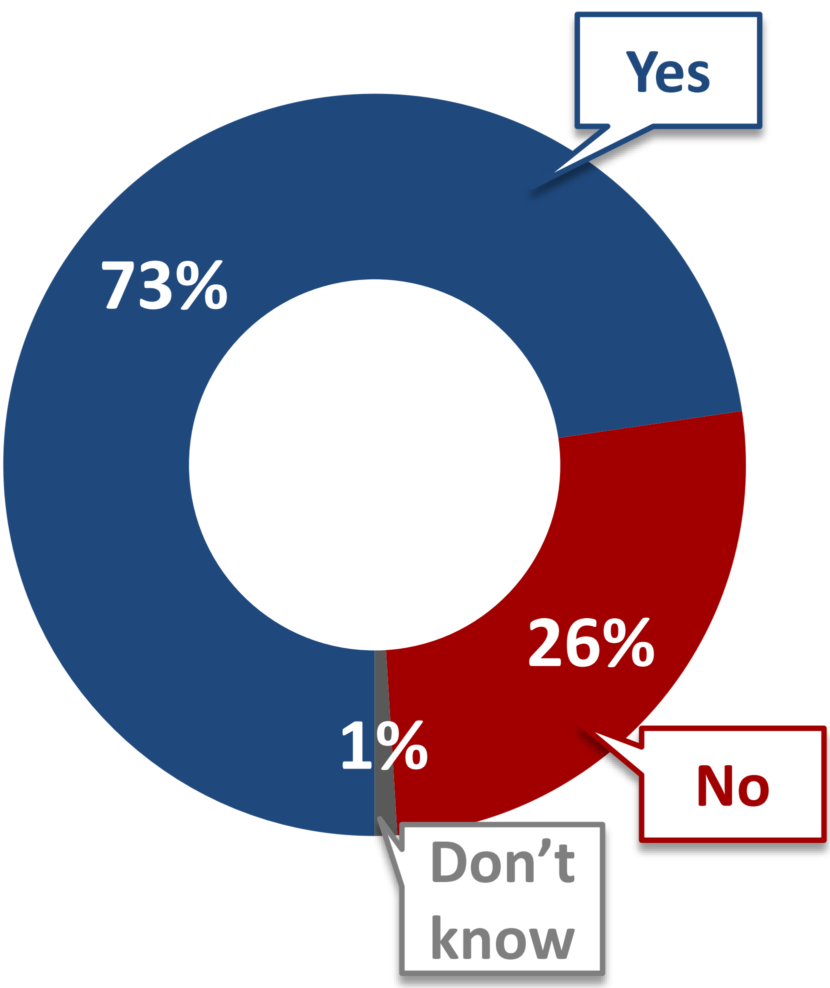
INNOVATIVE RESEARCH GROUP

Awareness of Merger

Small Business

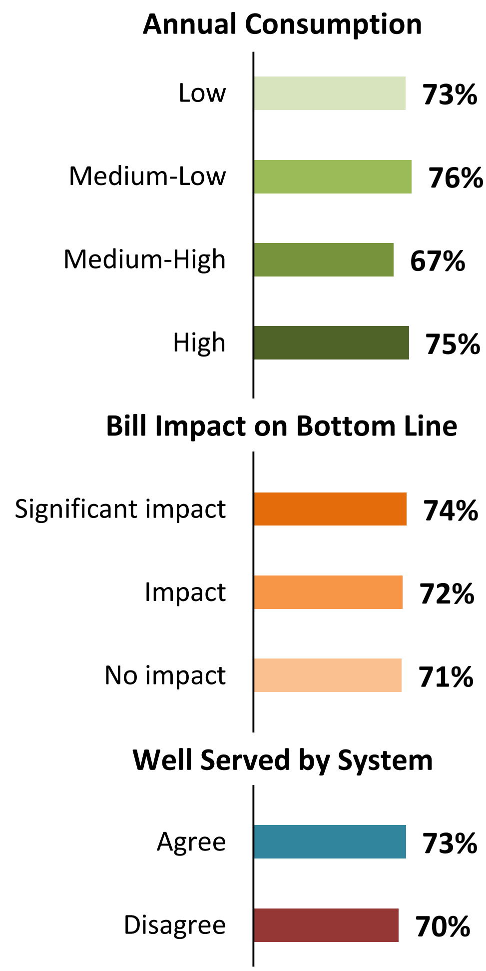
Q You may have recently heard that PowerStream has merged with neighbouring electricity distributors to form a new company called Alectra Utilities.

Had you heard of the Alectra Utilities merger before this survey?
[asked all respondents, n=205]



Segmentation

*Those who say "**Heard of merger**":*



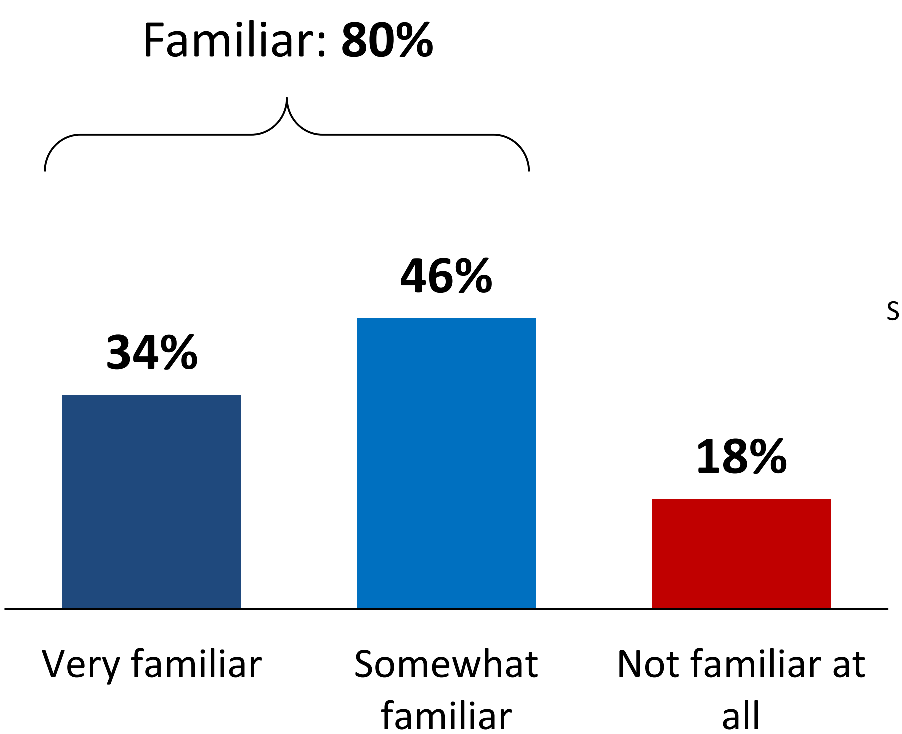
INNOVATIVE RESEARCH GROUP

Familiarity with PowerStream

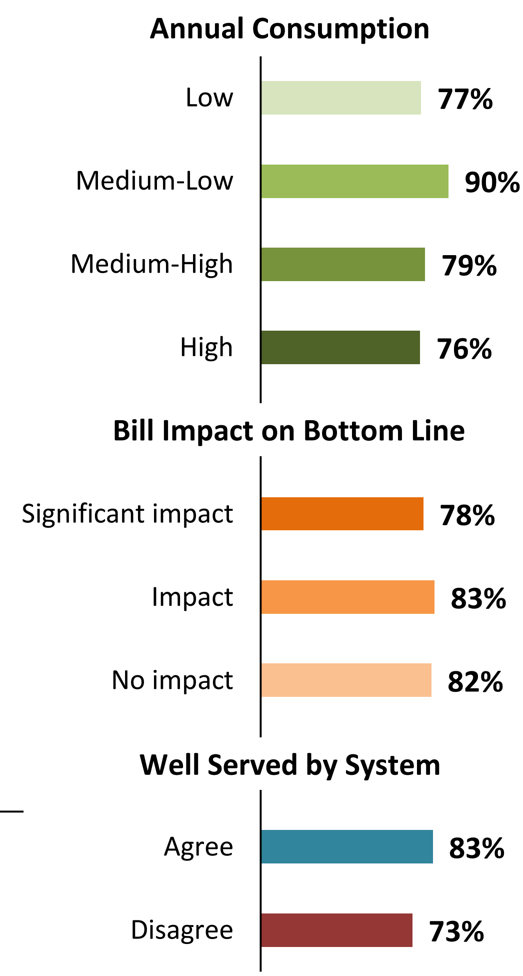
Small Business

Q First, let's talk about your experience. As you may know, PowerStream operates and maintains the local electricity distribution system in this area. This is the system that takes the electricity from provincial transmission lines and brings it to your business through a network of wires, poles and other equipment that is owned and operated by PowerStream.

How familiar are you with PowerStream?
[asked all respondents, n=205]



Segmentation
*Those who say "**Familiar**":*



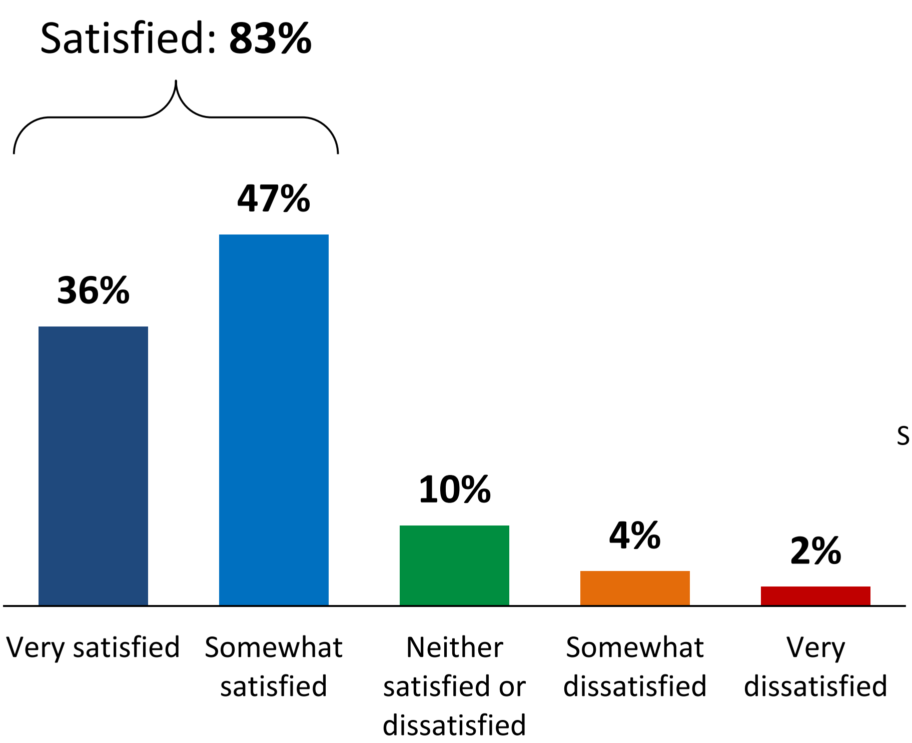
Note: 'Don't know' (2%) not shown.

Satisfaction with Services

Small Business

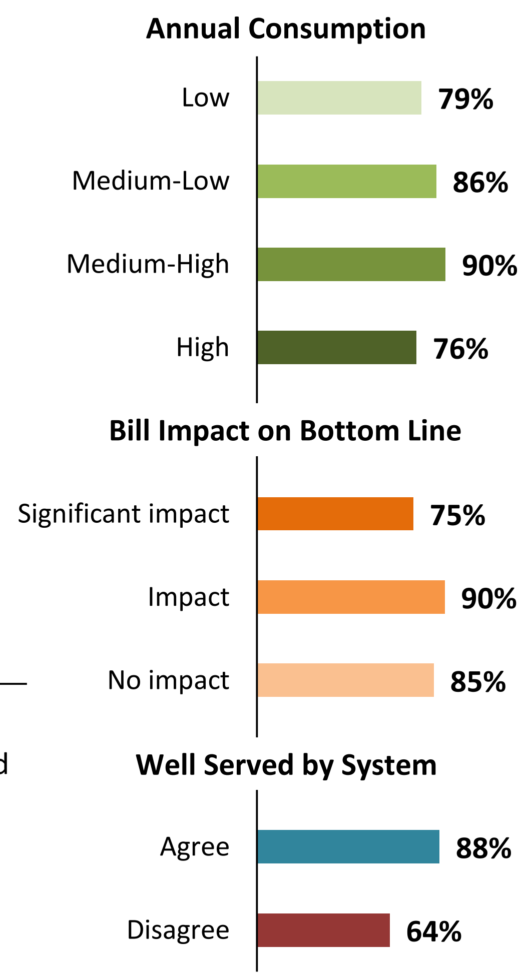
Q In general, how satisfied or dissatisfied are you with the services your organization receives from PowerStream? Would you say you are very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied?

[asked all respondents, n=205]



Segmentation ▶▶

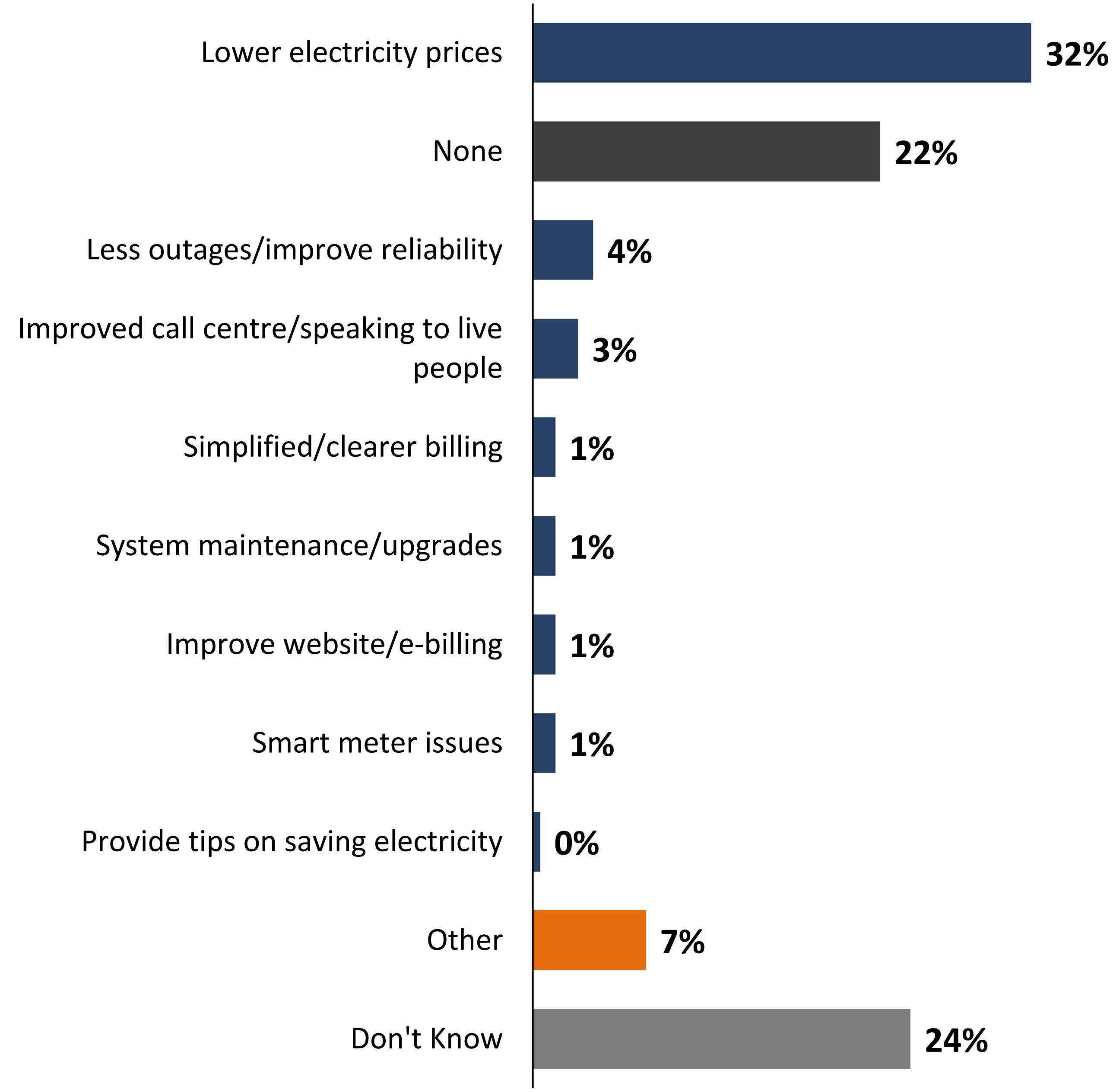
*Those who say "**Satisfied**":*



Suggestions for Improvements

Small Business

Q Is there anything in particular PowerStream can do to improve its service to your organization?
[asked all respondents, n=205]



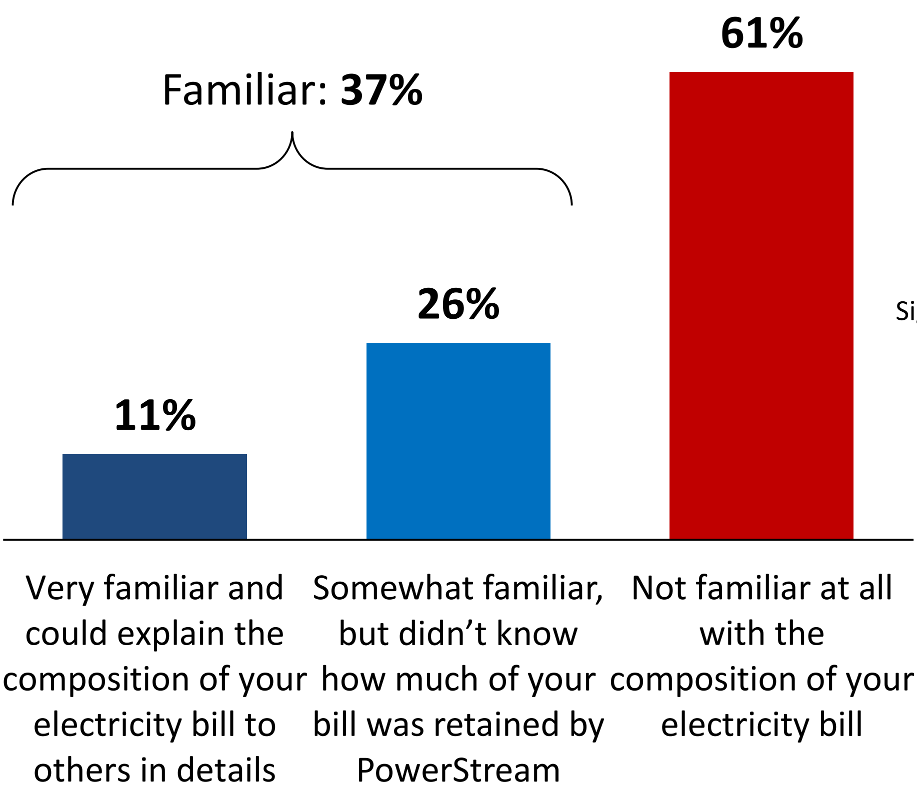
INNOVATIVE RESEARCH GROUP

Familiarity with Amount of Electricity Bill Remitted

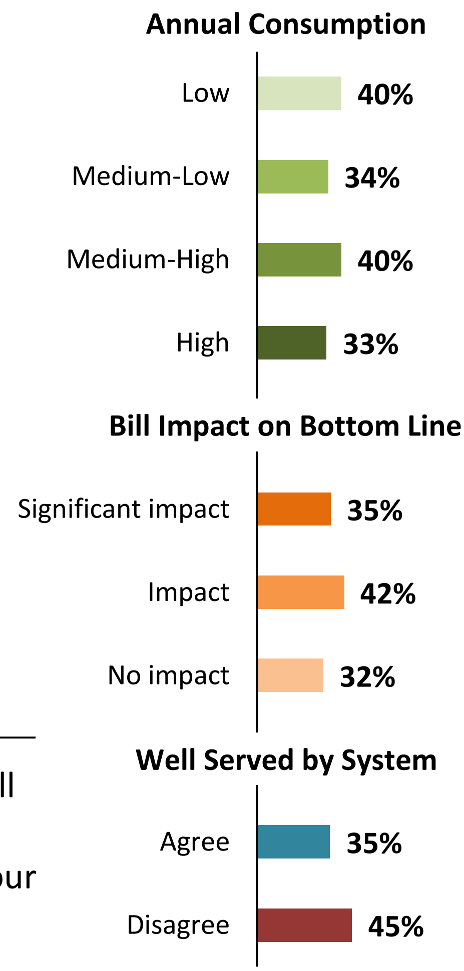
Small Business

Q While Powerstream is responsible for collecting payment for the entire electricity bill, they retain about 23% of the typical small business customer's bill. This is about $68.52 on an average $292.71 monthly small business electricity bill. The rest of the bill goes to power generation companies, transmission companies, the provincial government and regulatory agencies.

Before this survey, how familiar were you with the percentage of your organization's electricity bill that is retained by PowerStream?
[asked all respondents, n=205]



Segmentation ▸▸
*Those who say "**Familiar**":*



Note: 'Don't know' (1%) not shown.

Customer Priorities

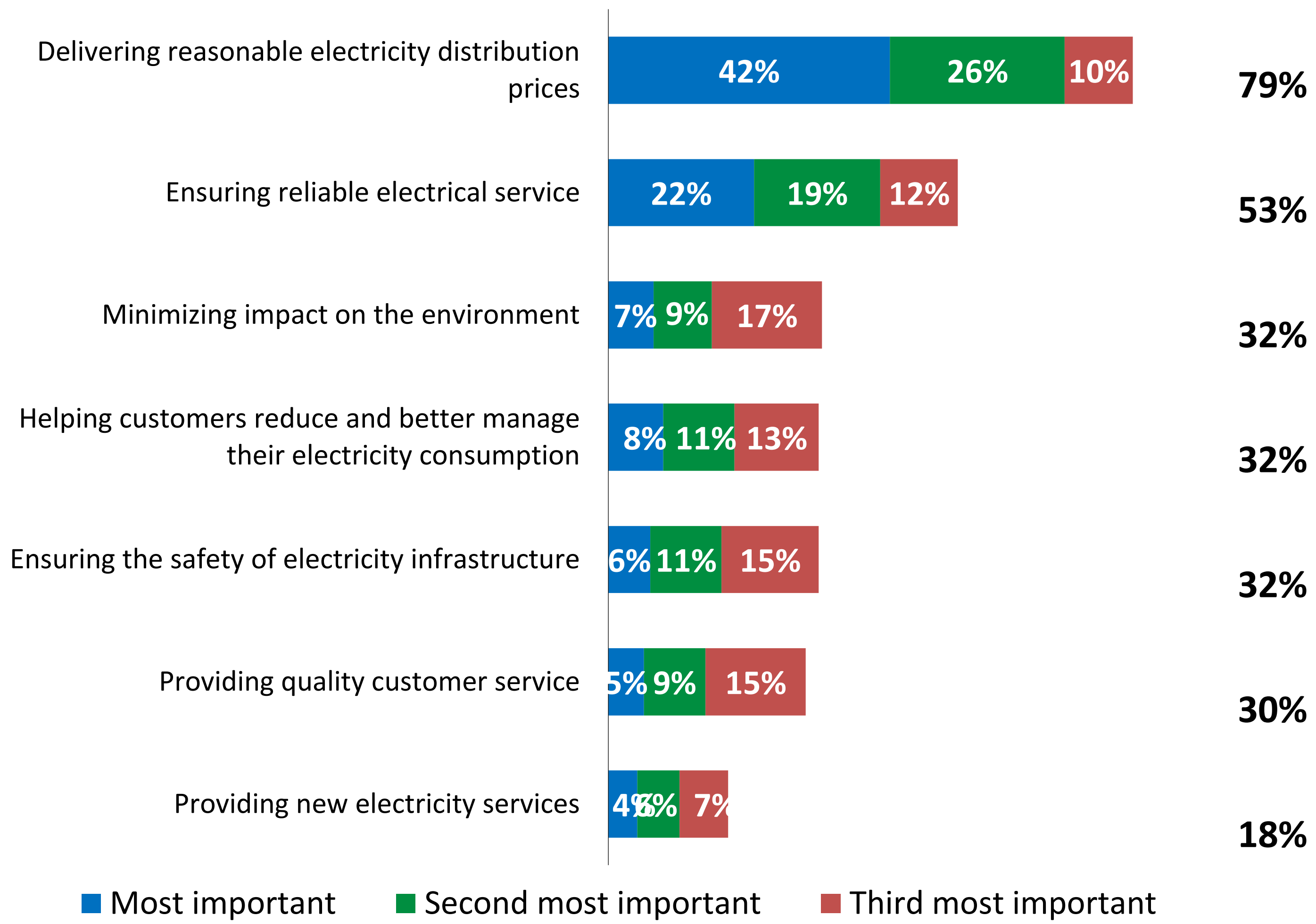
Small Business

Q Now lets talk about our second topic – outcomes. PowerStream regularly holds discussions with its customers to better understand how it should set spending priorities with the money customers pay for service.

In recent conversations with customers, a number of company goals were identified as key priorities for PowerStream.

Among the following PowerStream priorities, please tell me which one is most important to you.

[asked all respondents, n=205, percentages are calculated based on the full sample]



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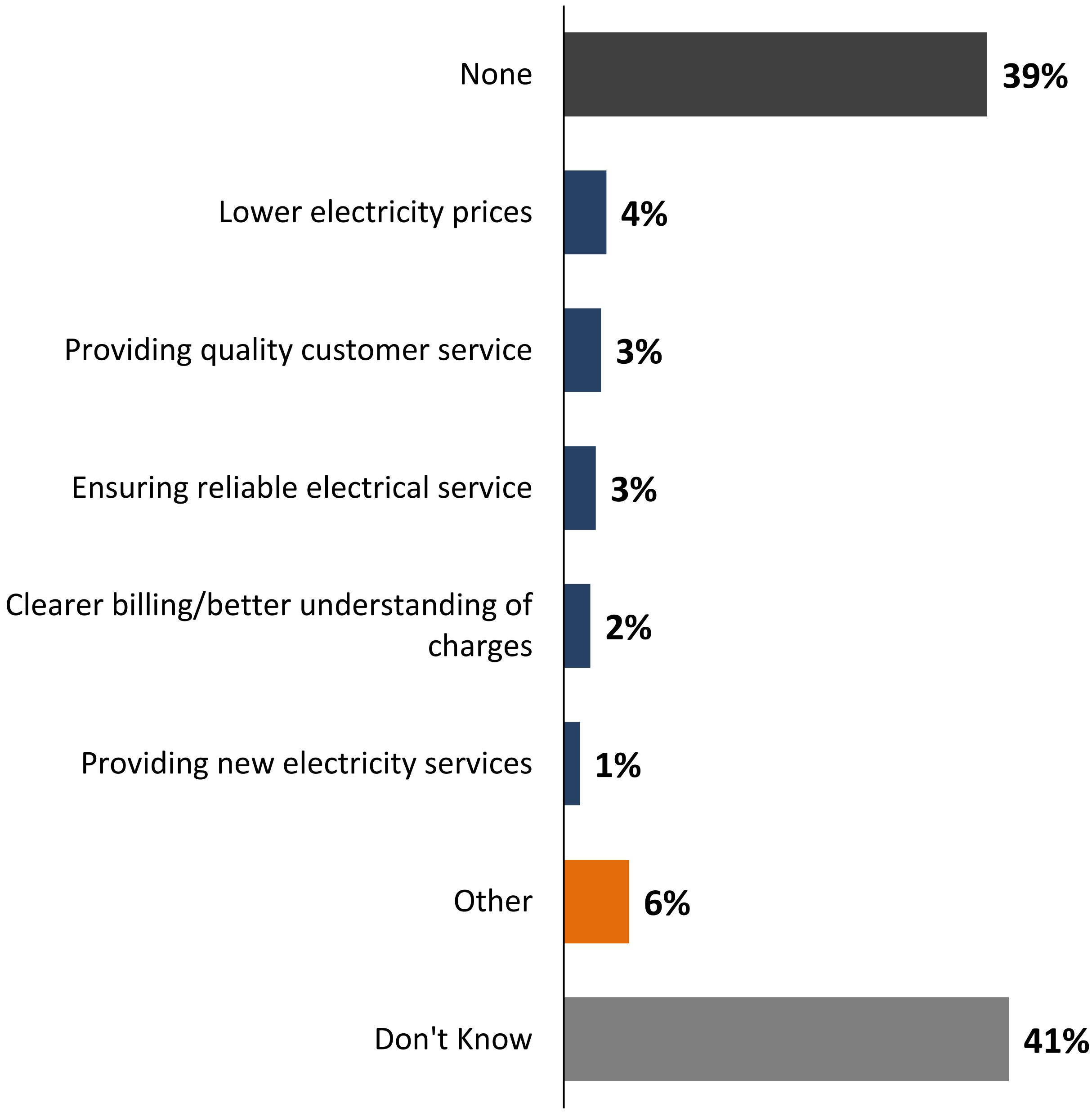
Additional Priorities

Small Business

Q Are there any other important priorities that PowerStream should be focusing on that weren't included in the previous list I read to you?
[asked all respondents, n=205]



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System Reliability

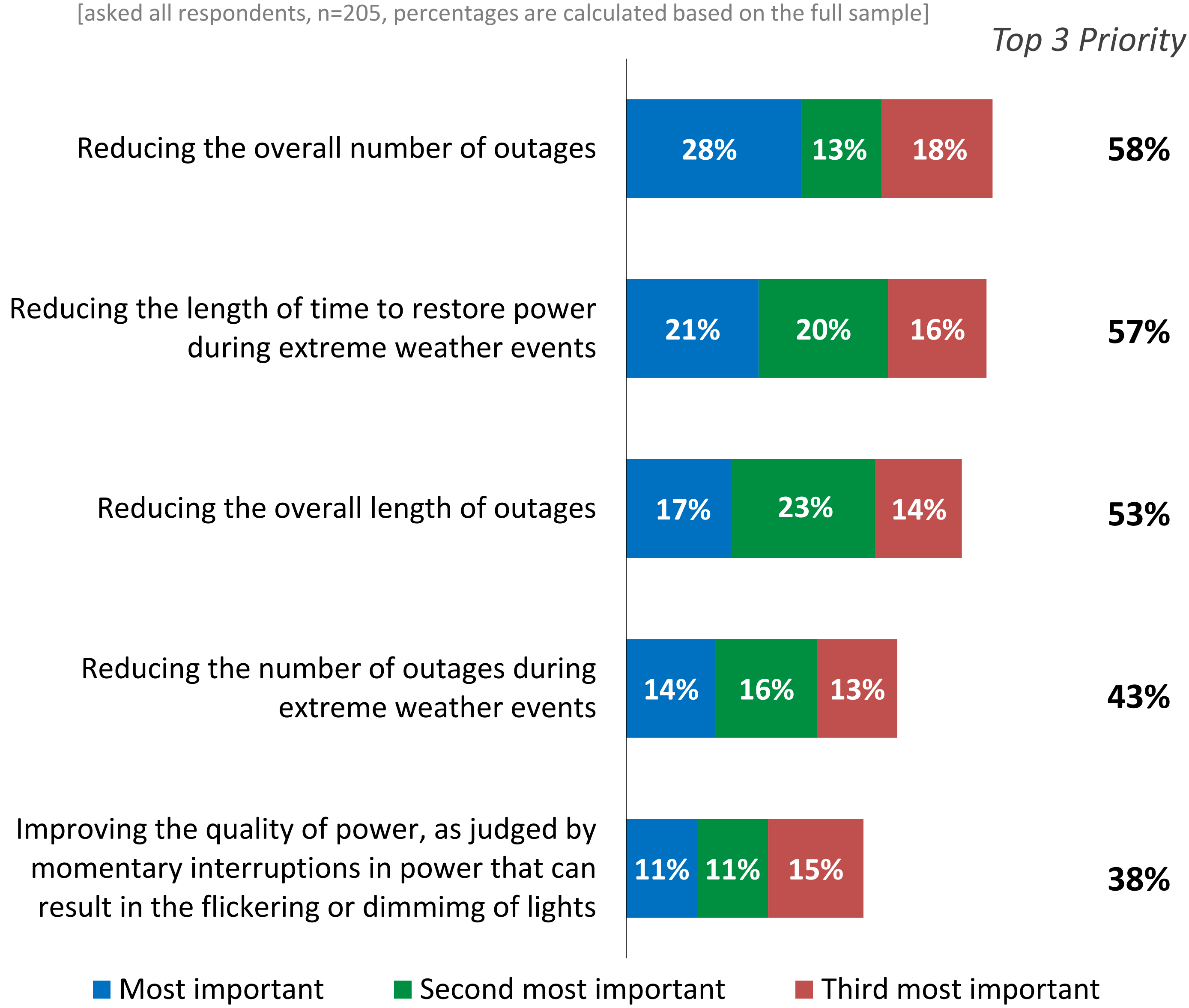
Small Business

Q We would like to understand your experience with reliability.

There are different outcomes when customers talk about power reliability.

Among the following reliability outcomes, please tell me which one is most important to you.

[asked all respondents, n=205, percentages are calculated based on the full sample]



INNOVATIVE RESEARCH GROUP

Familiarity with how Electricity Rates are Set

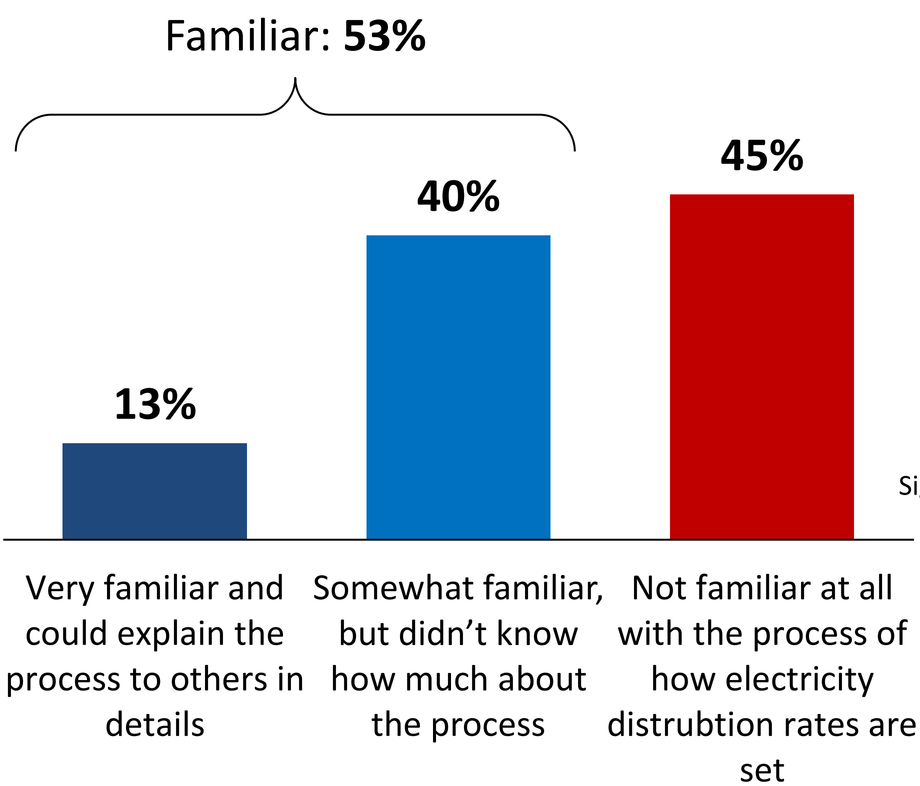
Small Business

Q *Now, lets turn to our third topic, investment trade-offs.* The electricity industry in Ontario is regulated by the Ontario Energy Board, otherwise known as the O-E-B. The OEB sets electricity rates in Ontario.

The OEB requires electricity distributors, such as Alectra Utilities, to develop its business plan and distribution system plan, as well as make spending and investment decisions based on customer feedback.

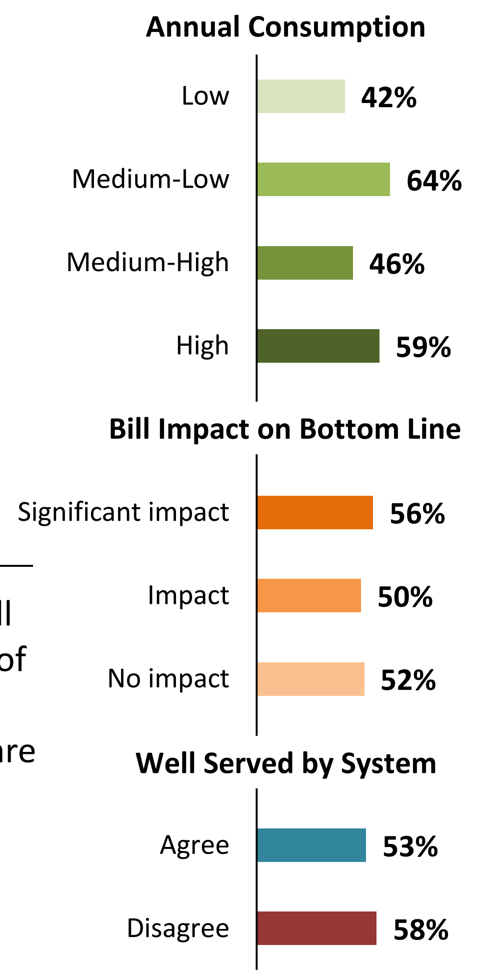
Electricity distributors are funded by the distribution rates paid by their customers. Periodically, distributors are required to file rate applications with the OEB to justify the amount of funding they need to safely and reliably distribute electricity to their customers.

Before this survey, how familiar were you with how electricity distribution rates are set in Ontario?
[asked all respondents, n=205]



Segmentation

*Those who say "**Familiar**":*



Note: 'Don't know' (2%) not shown.

Investment Trade-Off Preamble

Small Business

"Alectra Utilities is now starting to create its first overall investment plan as a merged utility. The OEB divides electricity distributor investments into four categories. One category called system access includes investments that are mandatory under the distributor's licence to operate. These include reasonable costs to connect new customers and moving existing infrastructure to accommodate civic improvements.

The spending in the other three categories involves finding the right balance between the impact on your bill and the service you receive. We would now like ask a few questions about your preferences when it comes to finding the right balance between costs and other outcomes.

I want to start by asking you about system renewal, that is the projects that replace aging electrical infrastructure."

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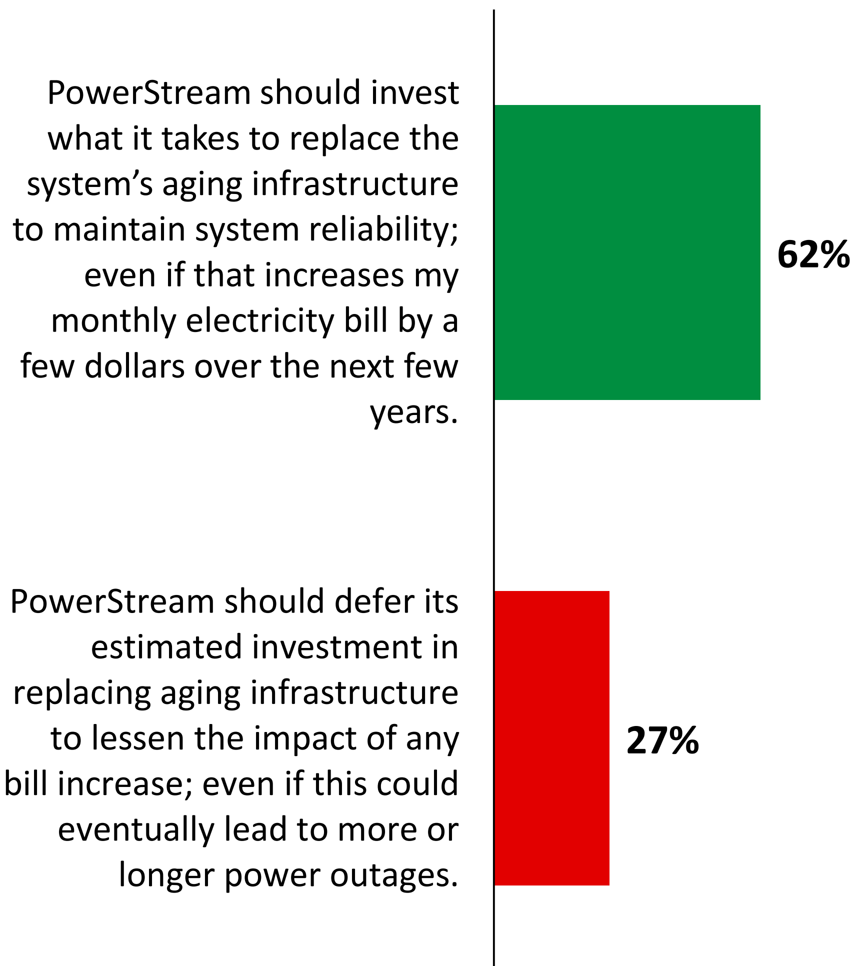
Investments in Aging Infrastructure

Small Business

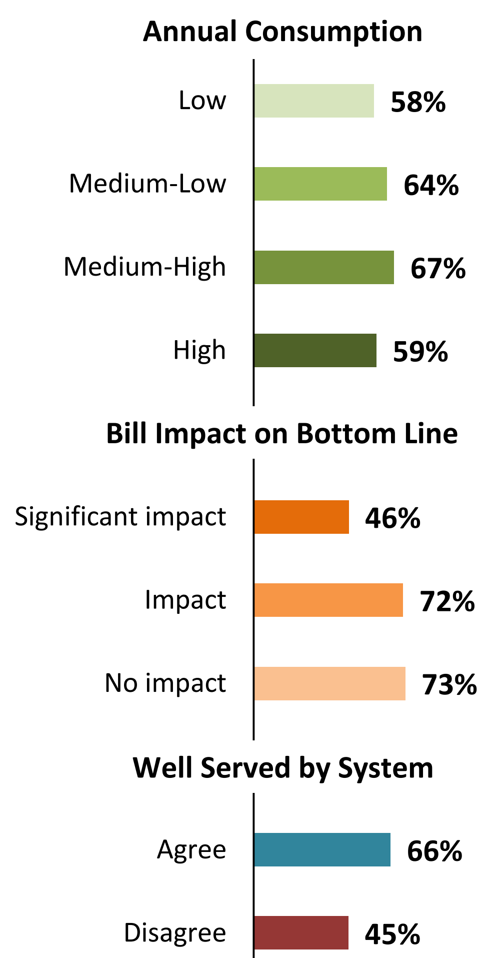
Q While PowerStream works hard to prolong the life of the assets that make up its distribution system, eventually these assets reach the end of their useful life and require replacement. Currently the average customer experiences **1.1 outages a year for an average of 57 minutes**. When adjusted to remove outages due to loss of supply from the transmission system and major storms, 42% of unscheduled outages are as a result of equipment failure in the PowerStream rate zone. However, it is not possible to predict exactly when a specific piece of aging equipment will fail. PowerStream must decide the pace at which it replaces this aging equipment.

Which of the following statements best represents your point of view?
[asked all respondents, n=205]



Segmentation ▶▶

*Those who say "**invest what it takes to maintain system reliability**":*



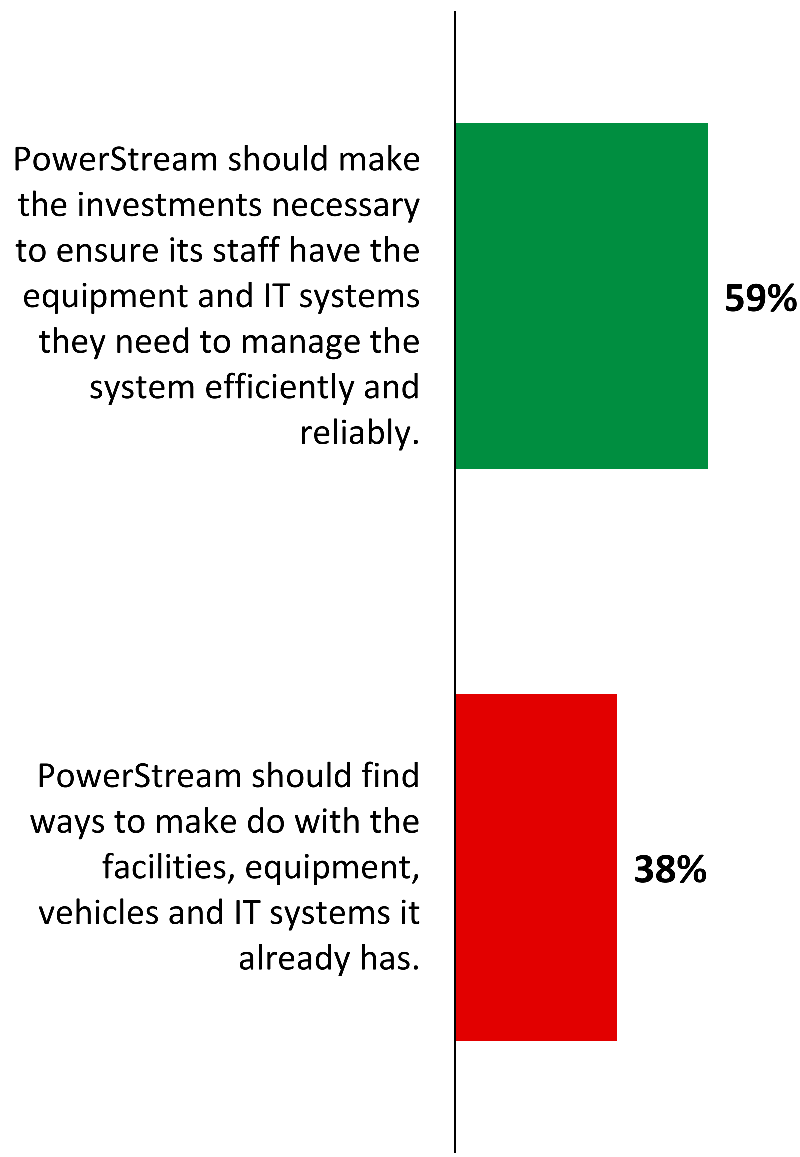
Note: 'Don't know' (7%), 'Refused' (4%) not shown.

General Plant Investments

Small Business

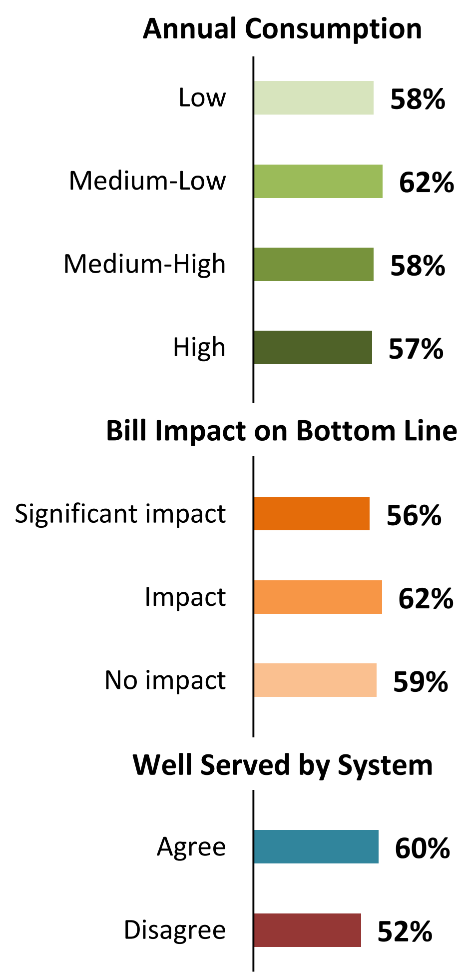
Q As a company, PowerStream needs facilities to house staff and equipment, vehicles and tools to service electrical infrastructure, and IT systems to manage the distribution system and customer information..

Which of the following statements best represents your point of view?
[asked all respondents, n=205]



Segmentation

*Those who say "**make necessary investments**":*



Note: 'Don't know' (3%), 'Refused' (1%) not shown.

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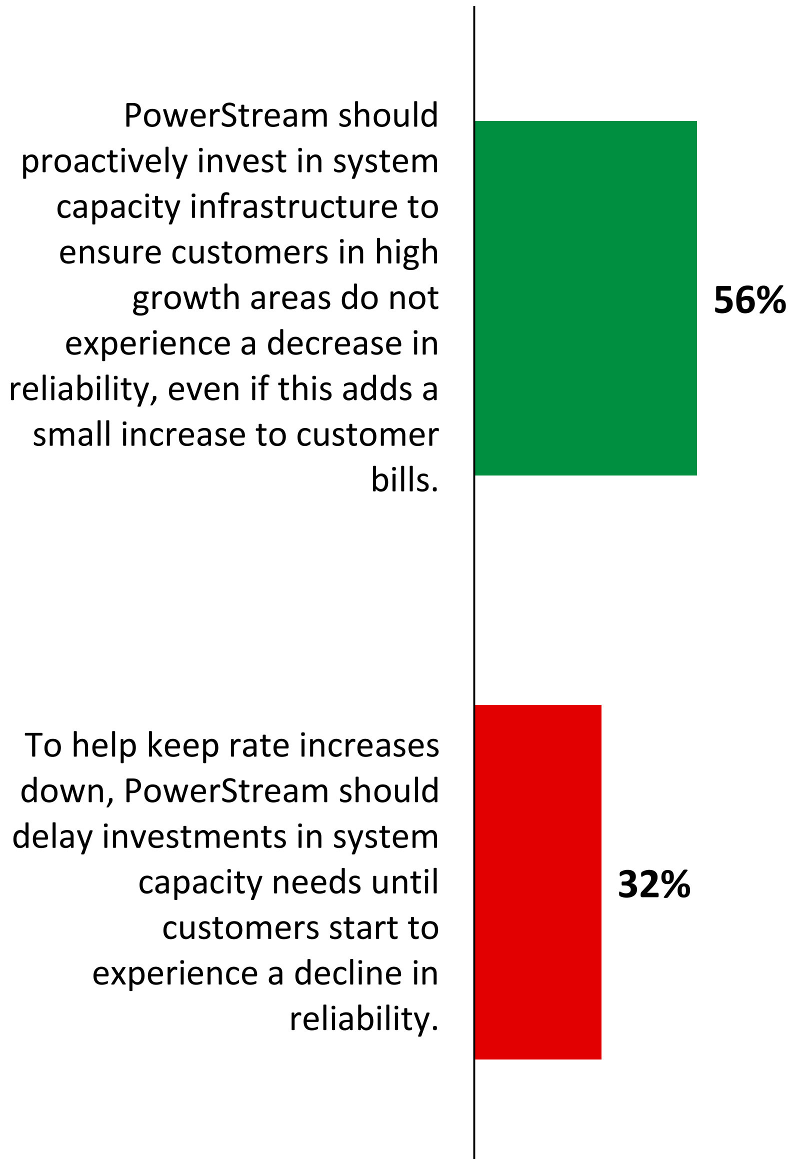
System Service Investments

Small Business

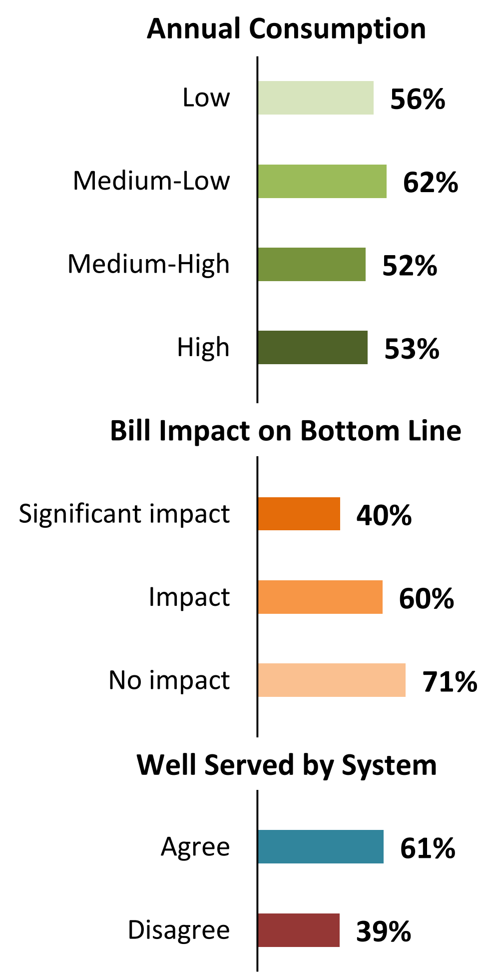
With growth in various parts of the PowerStream service area comes greater demand for electricity. This increased demand for electricity puts increased pressure on the existing electrical infrastructure. Eventually, further infrastructure investments will be required to support increased demand for electricity.

With this in mind, which of the following statements best represents your point of view?
[asked all respondents, n=205]



Segmentation

*Those who say "**proactively invest in system capacity**":*



Note: 'Don't know' (9%), 'Refused' (4%) not shown.

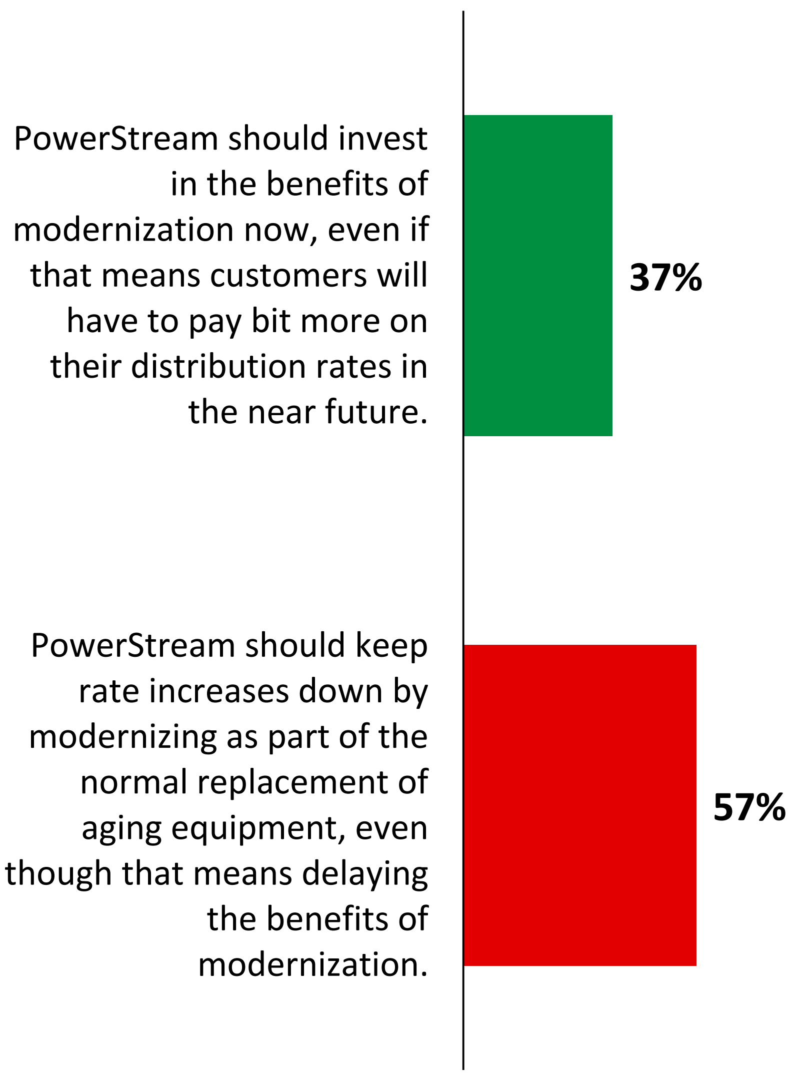
Modernizing the Distribution System

Small Business

Q There are new technologies that PowerStream can implement such as microgrids, electricity storage, and automatic switches that can give customers more choices, improve reliability or reduce the impact on the environment.

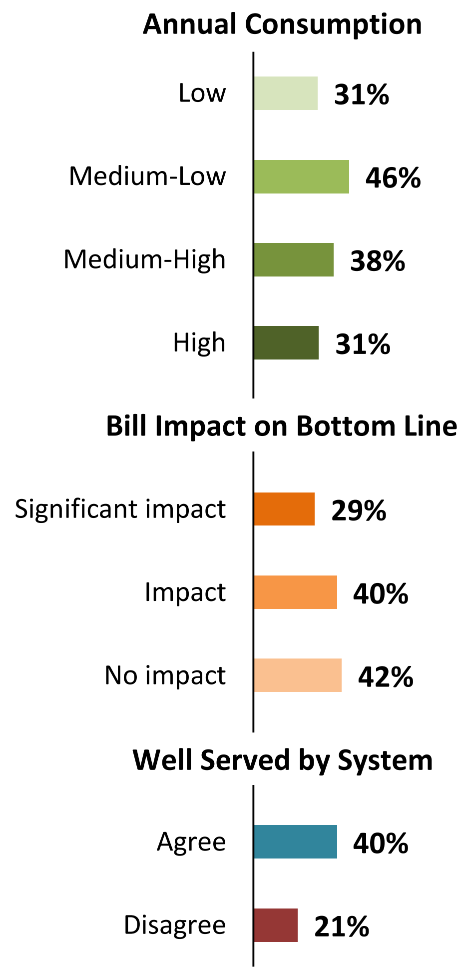
These investments would create a better grid, but are not required to maintain the reliability that you experience today.

Which of the following statements best represent your point of view?
[asked all respondents, n=205]



Segmentation ▸▸

*Those who say "**invest in modernization now**":*



INNOVATIVE RESEARCH GROUP

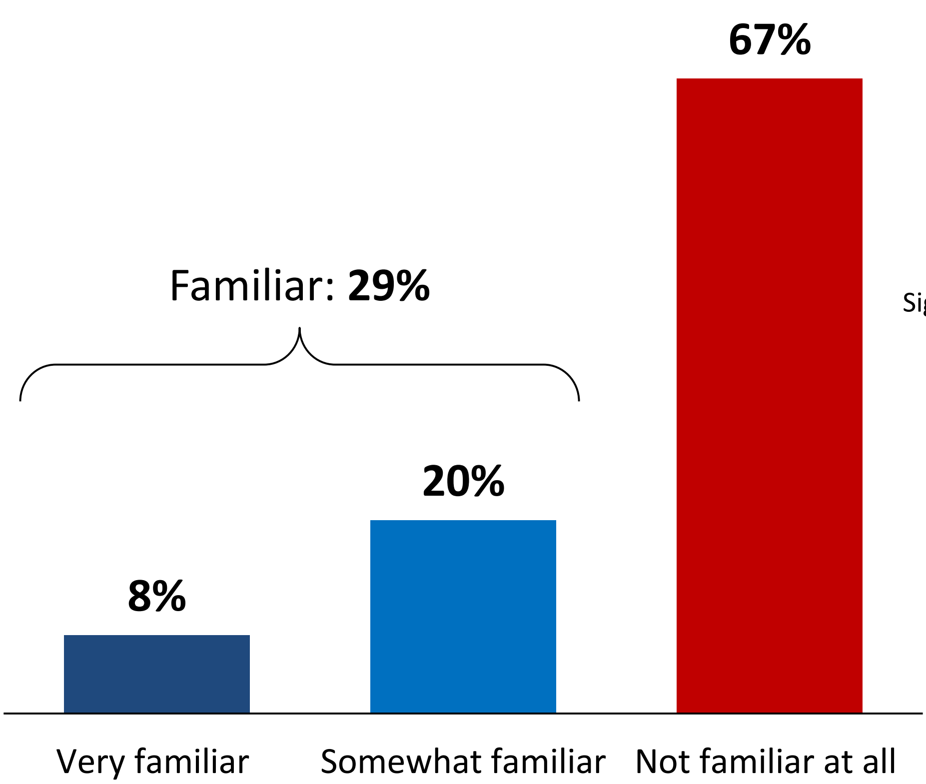
Note: 'Don't know' (4%), 'Refused' (2%) not shown.

Familiarity with OEB "Cost Saving" Requirements

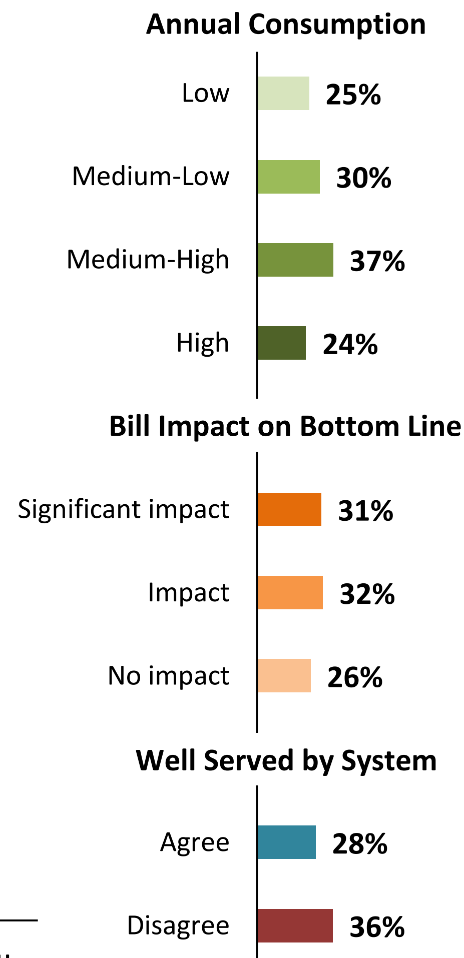
Small Business

Q As we mentioned earlier, the rates you pay to PowerStream are set by the OEB through a public process. PowerStream's current rates were approved in a 2017 application and will be in place until 2027. Each year PowerStream is permitted to increase rates to reflect inflation minus savings targets established by the OEB which requires PowerStream to keep cost increases below inflation.

Before this survey, how familiar were you with the OEB requirement for PowerStream to find savings every year?
[asked all respondents, n=205]



Segmentation
*Those who say "**Familiar**":*



Note: 'Don't know' (2%), 'Refused' (2%) not shown.

INNOVATIVE RESEARCH GROUP

ICM Rate Impact Preamble

Small Business

“Now let’s turn to our final topic – possible new projects. As part of the OEB policies, there is an option for PowerStream to apply for additional rate increases for discrete projects that are prudent, needed and not supported by existing rates. Looking ahead to 2019, PowerStream has identified three projects that need more investment than the existing budget allows.

One project involves relocating six major feeder lines and the accompanying metering equipment to accommodate the rebuild of a major Transmission substation. PowerStream is using the lowest cost option to complete this project.

The second project involves relocating poles and wires as part of the York Region Rapid Transit VIVA bus projects. There are no major design choices in this project.”

INNOVATIVE RESEARCH GROUP

Bathurst Street Road Widening Preamble

Small Business

"The third project involves relocating both overhead and underground wires and supporting equipment as part of the Bathurst Street road widening from Highway 7 to Teston road.

Powerstream has two options for this project. It can [ROTATE]:

- *move the current mix of overhead and underground wires and equipment at a cost of $5.5 million dollars, OR*
- *replace the overhead system with an underground system for better protection against weather and collisions from vehicles at a cost of between $25 and $35 million dollars."*

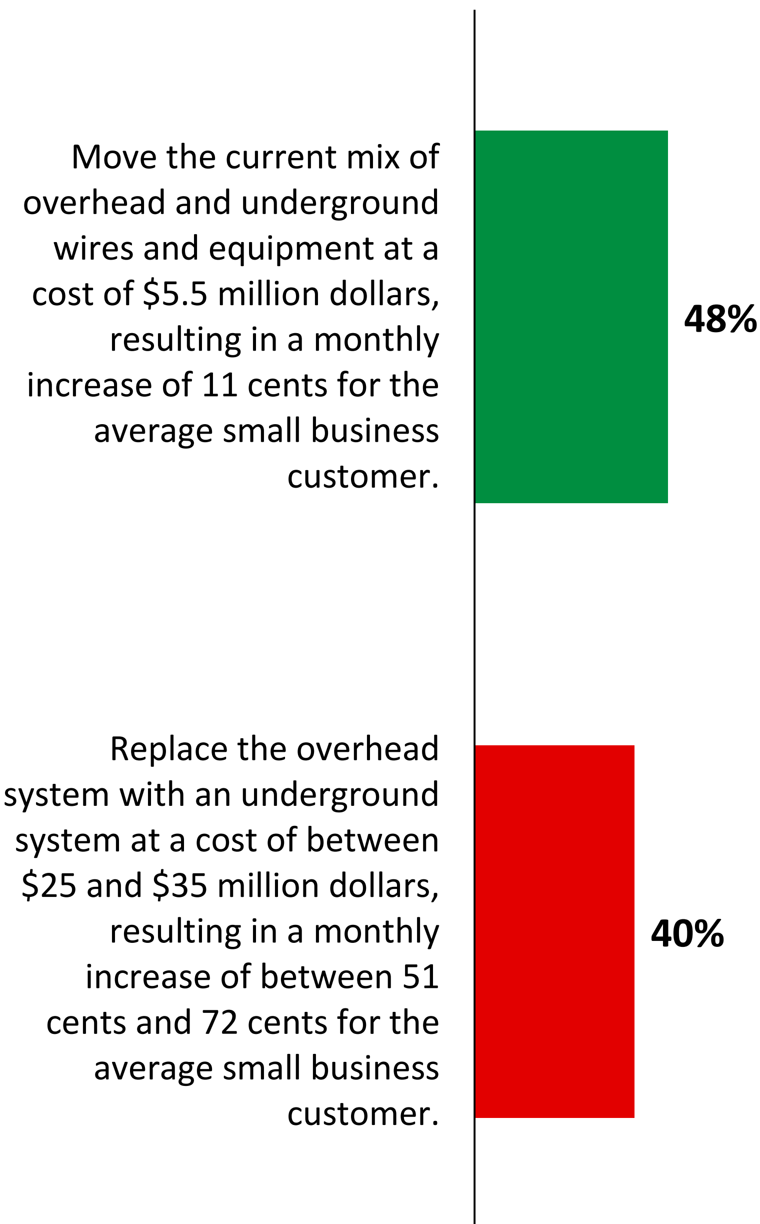
INNOVATIVE RESEARCH GROUP

Bathurst Street Road Widening

Small Business

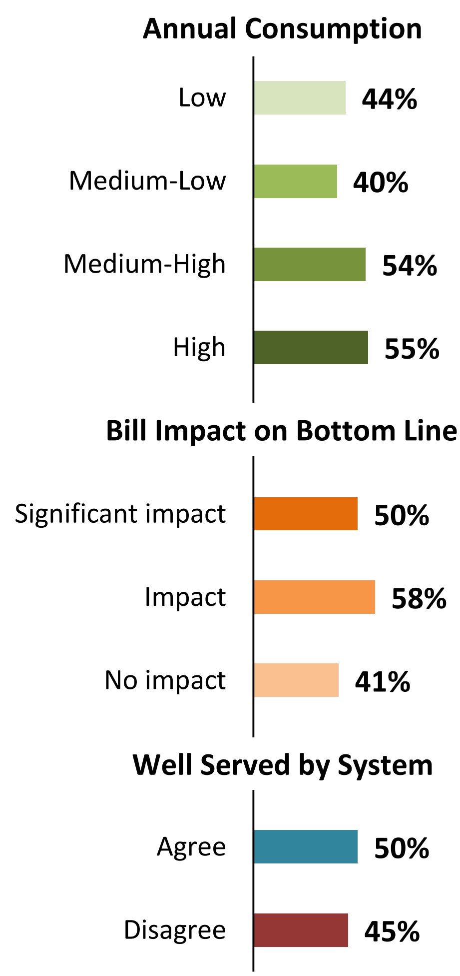
Q Given earlier customer feedback emphasizing the need to keep rate increases down, PowerStream is currently planning on taking the first option - to move the current mix of overhead and underground wires and equipment.

Which option do you prefer?
[asked all respondents, n=205]



Segmentation ▶▶

*Those who say "**Move current mix of equipment**":*



INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (7%), 'Refused' (5%) not shown.

Opinion of Proposed ICM Rate Impact

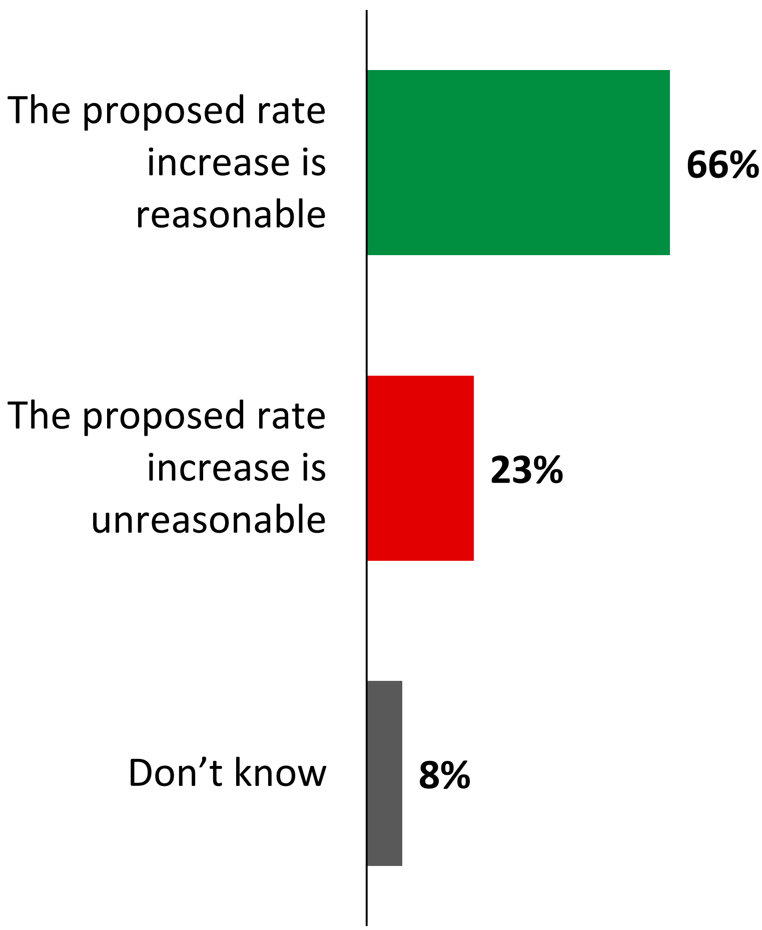
Small Business

Q As I mentioned earlier, each year PowerStream is permitted to increase rates to reflect inflation minus a stretch factor which requires PowerStream to find savings to keep cost increases below inflation. In order to maintain the existing plan to replace aging infrastructure and complete the mandatory projects previously discussed, PowerStream would need to add a 43 cent charge to the typical small business customers monthly electricity bill, from 2019 to 2026.

That would result in an annual increase of $5.16 each year over the course of the next eight years – *totalling $41.28 over that period.*

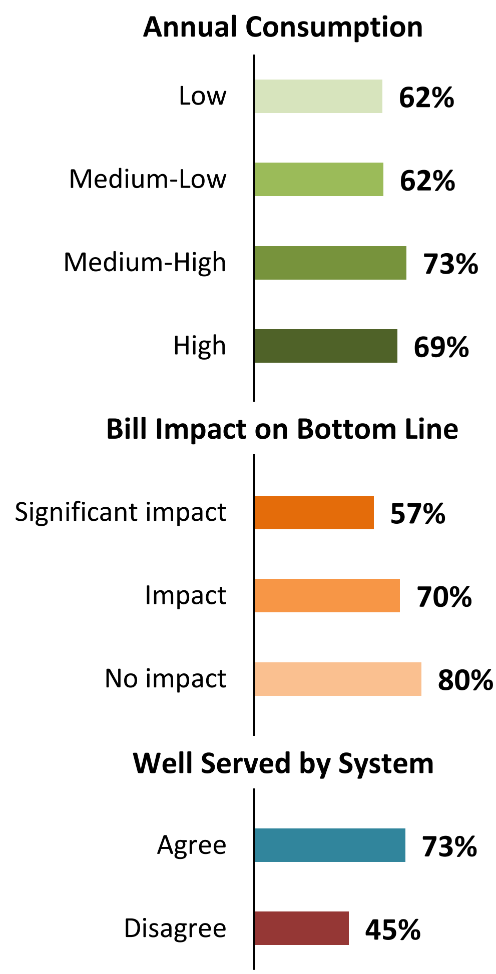
What is your opinion on this proposed rate increase in 2019?

[asked all respondents, n=205]



Segmentation ▶▶

*Those who say "**Rate increase is reasonable**":*



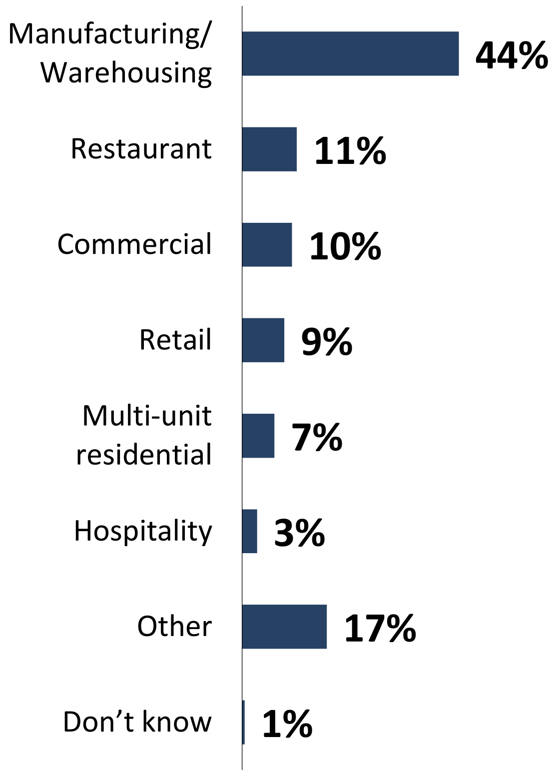
Note: 'Refused' (2%) not shown.

Mid-Sized Business Rate Class

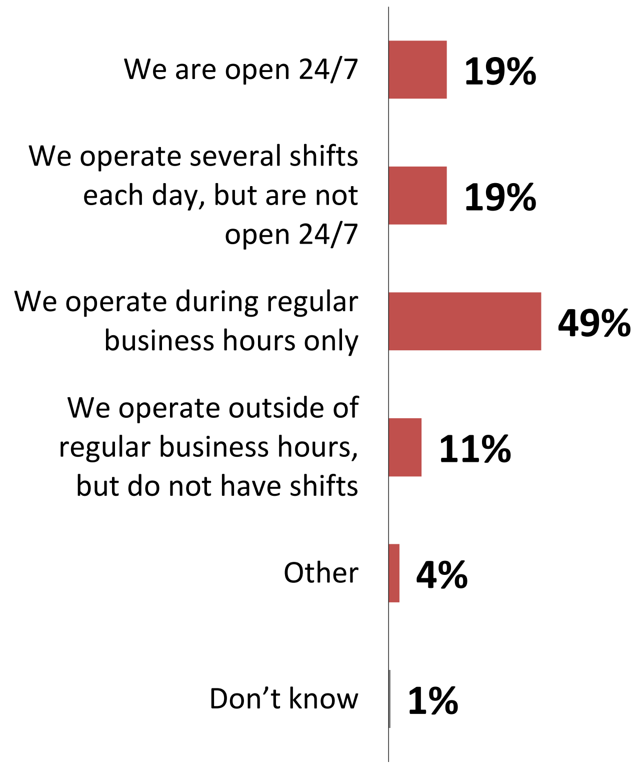
Segmentation & Firmographics

Mid-Sized Business

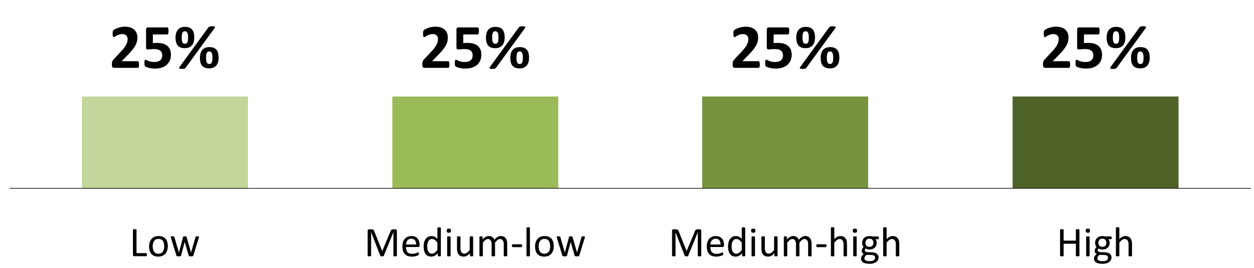
Sector



Hours of Operation



Annual Consumption

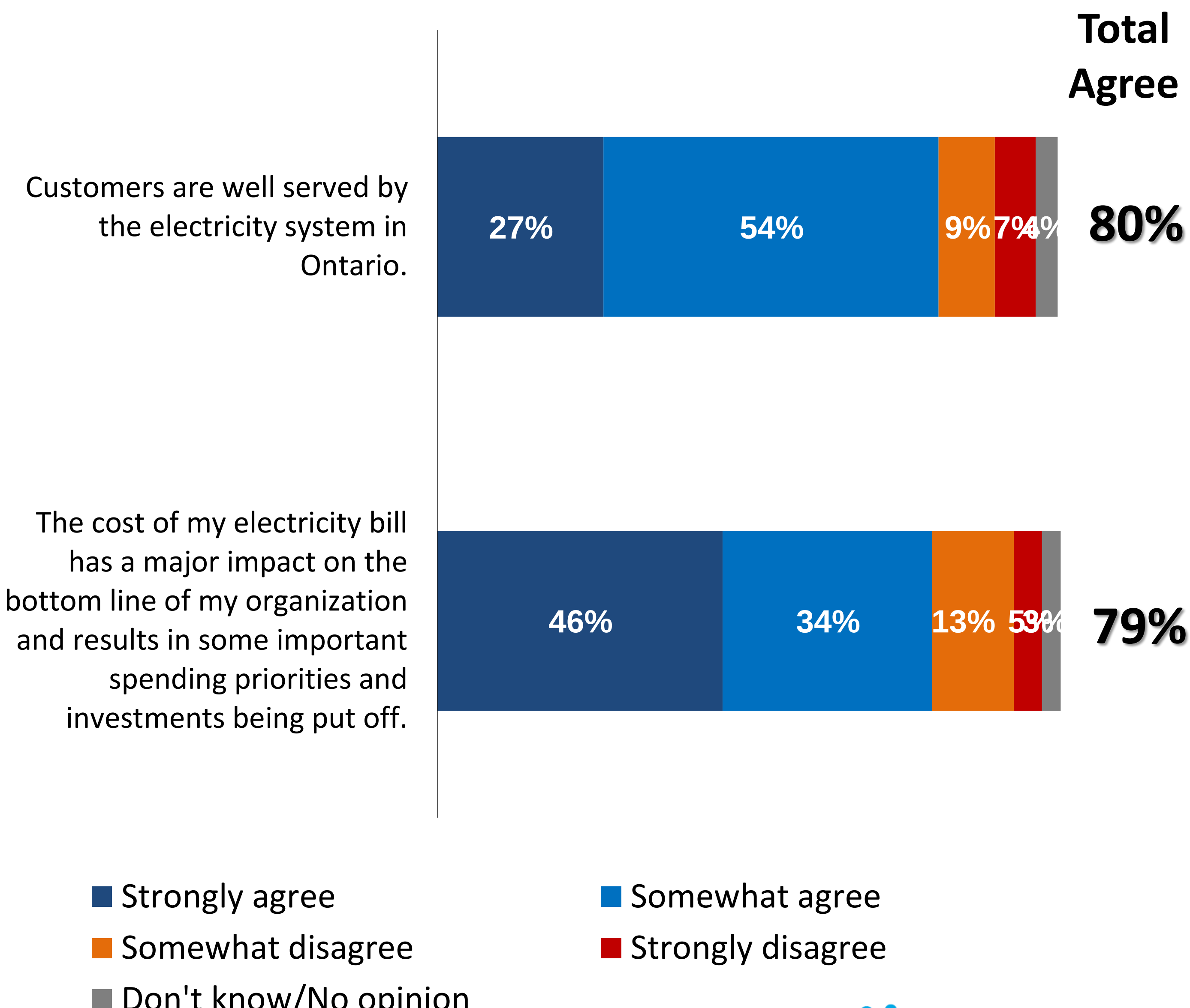


Segmentation & Firmographics

Mid-Sized Business

Q For each statement please tell me if you would strongly agree, somewhat agree, somewhat disagree or strongly disagree. If you don't know enough to say or don't have an opinion just let me know.

[asked all respondents, n=200]



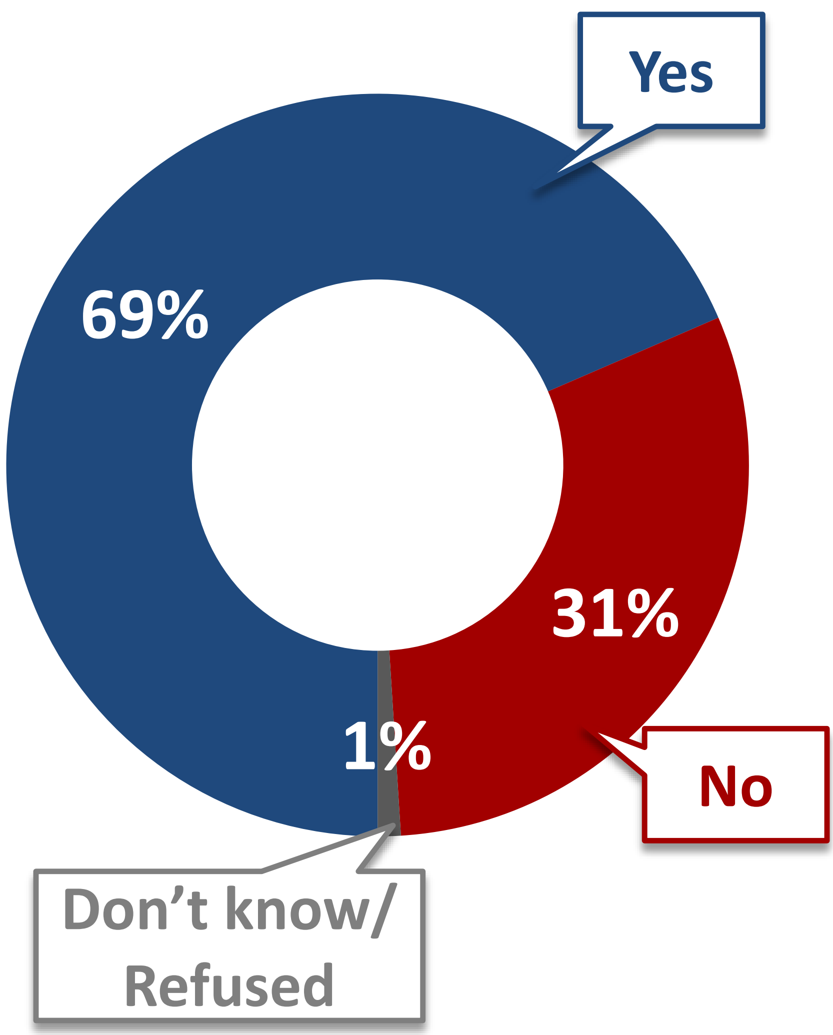
INNOVATIVE RESEARCH GROUP

Awareness of Merger

Mid-Sized Business

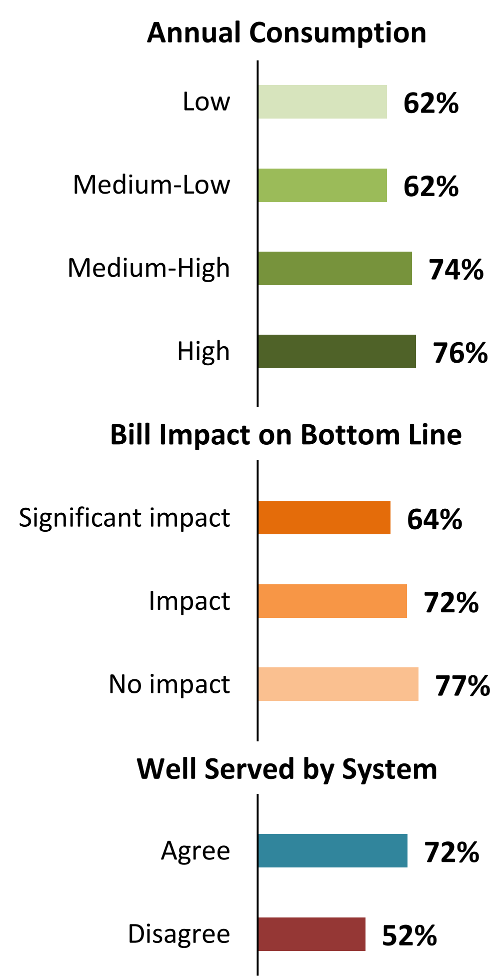
Q You may have recently heard that PowerStream has merged with neighbouring electricity distributors to form a new company called Alectra Utilities.

Had you heard of the Alectra Utilities merger before this survey?
[asked all respondents, n=200]



Segmentation ▶▶

*Those who say "**Heard of merger**":*



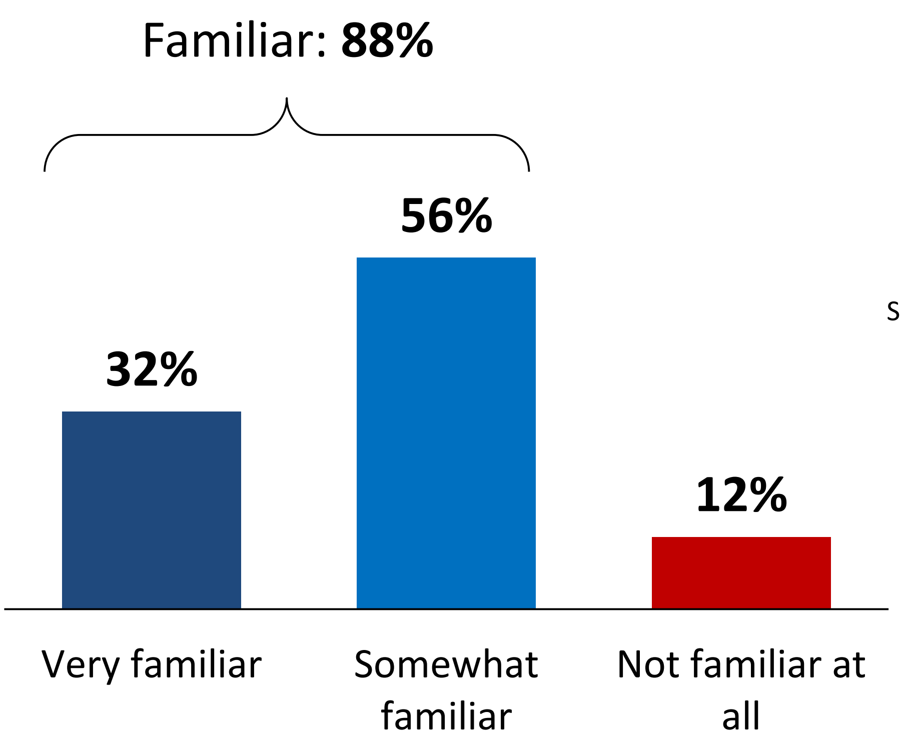
INNOVATIVE RESEARCH GROUP

Familiarity with PowerStream

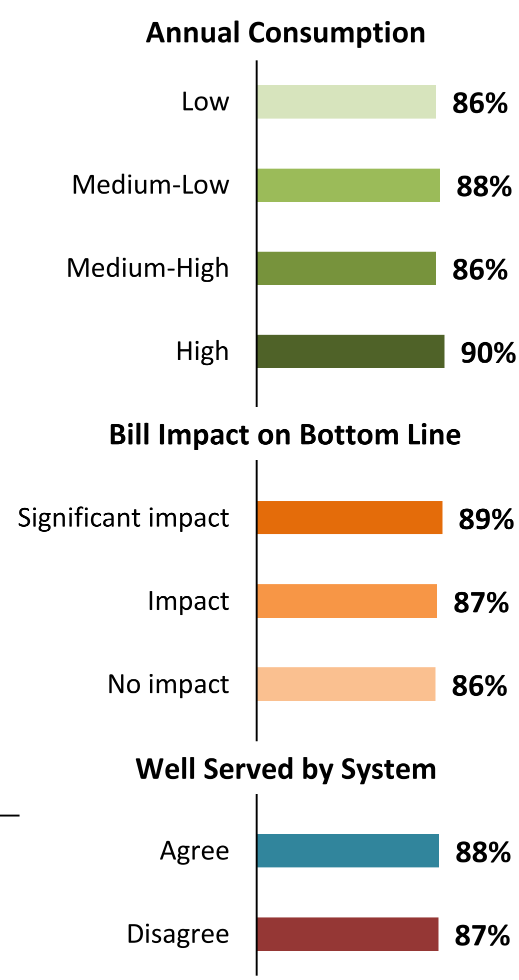
Mid-Sized Business

Q First, let's talk about your experience. As you may know, PowerStream operates and maintains the local electricity distribution system in this area. This is the system that takes the electricity from provincial transmission lines and brings it to your business through a network of wires, poles and other equipment that is owned and operated by PowerStream.

How familiar are you with PowerStream?
[asked all respondents, n=200]



Segmentation
*Those who say "**Familiar**":*



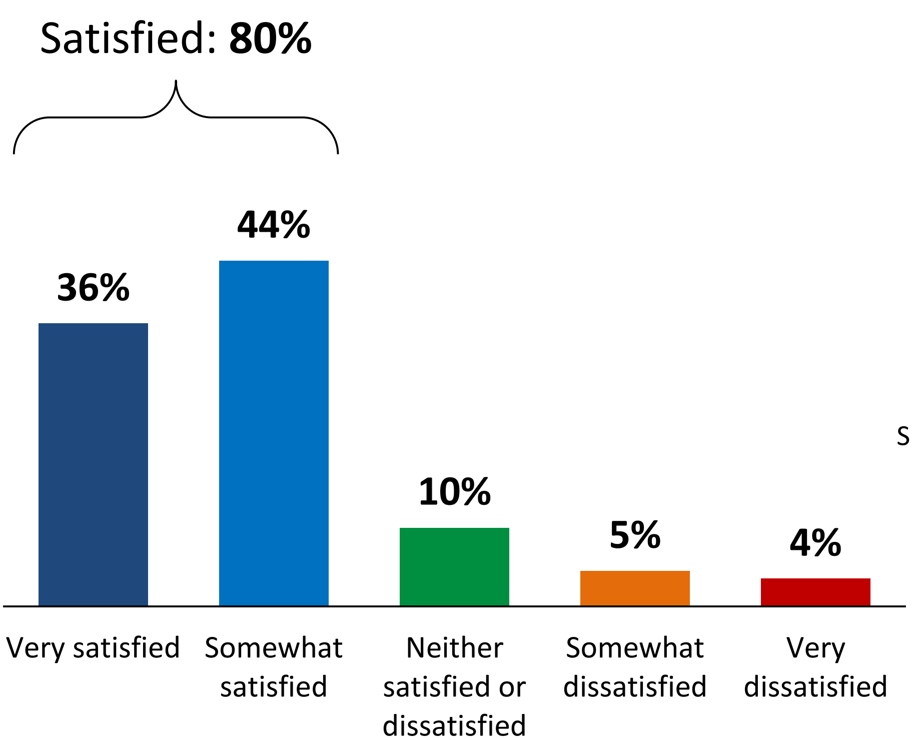
INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (1%) not shown.

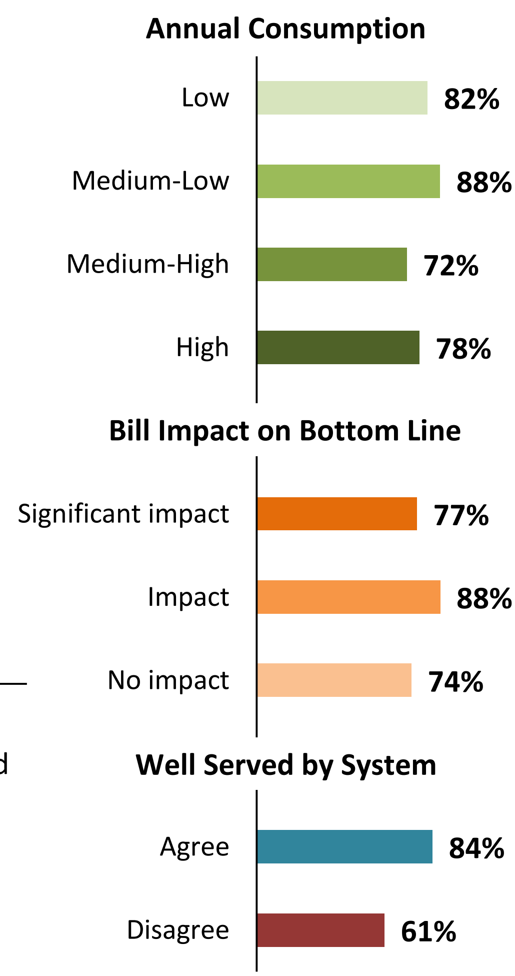
Satisfaction with Services

Mid-Sized Business

Q In general, how satisfied or dissatisfied are you with the services your organization receives from PowerStream? Would you say you are very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied?
[asked all respondents, n=200]



Segmentation
*Those who say "**Satisfied**":*

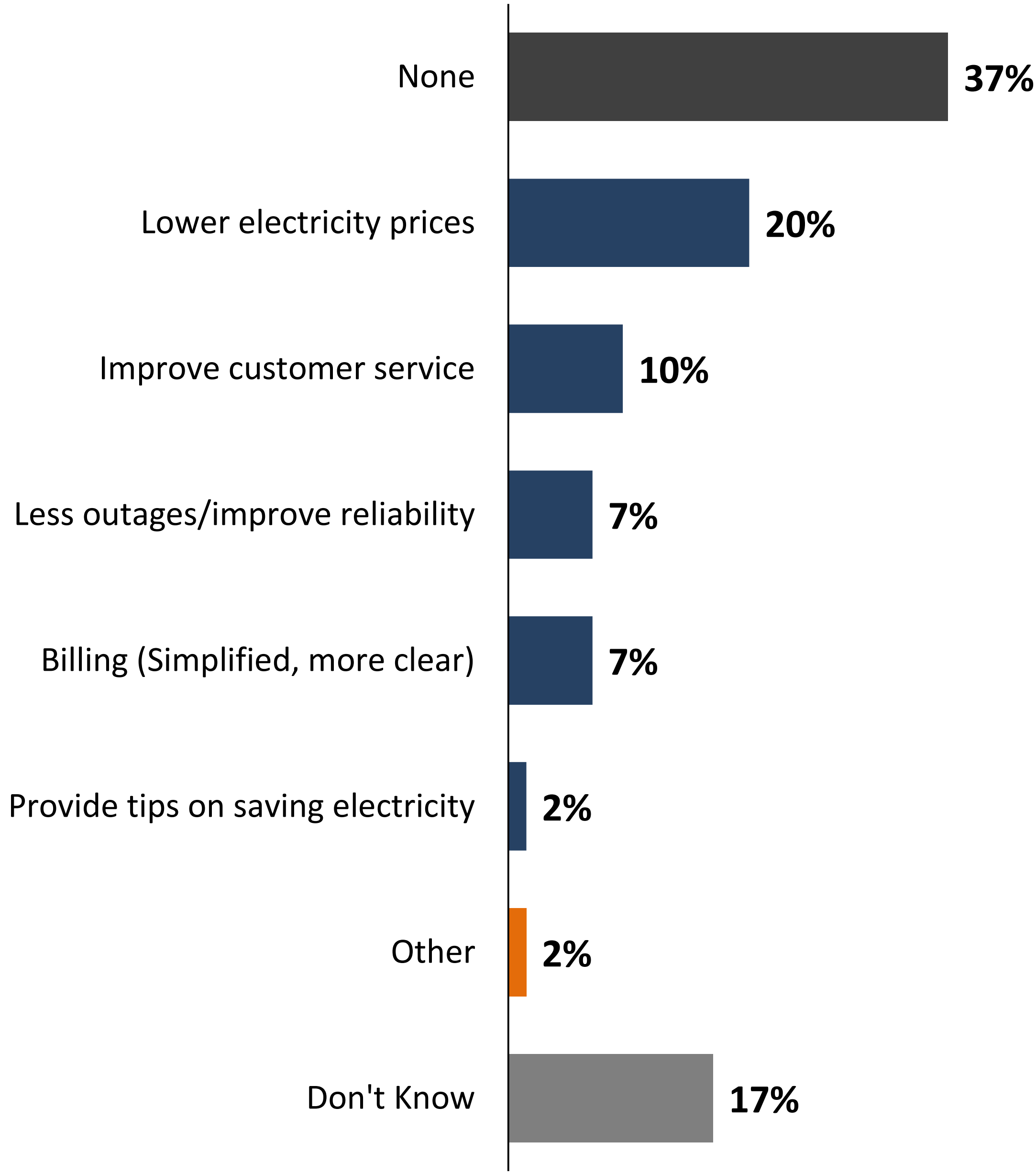


Note: 'Don't know' (1%) & 'Refused' (1%) not shown.

Suggestions for Improvements

Mid-Sized Business

Q Is there anything in particular PowerStream can do to improve its service to your organization?
[asked all respondents, n=200]



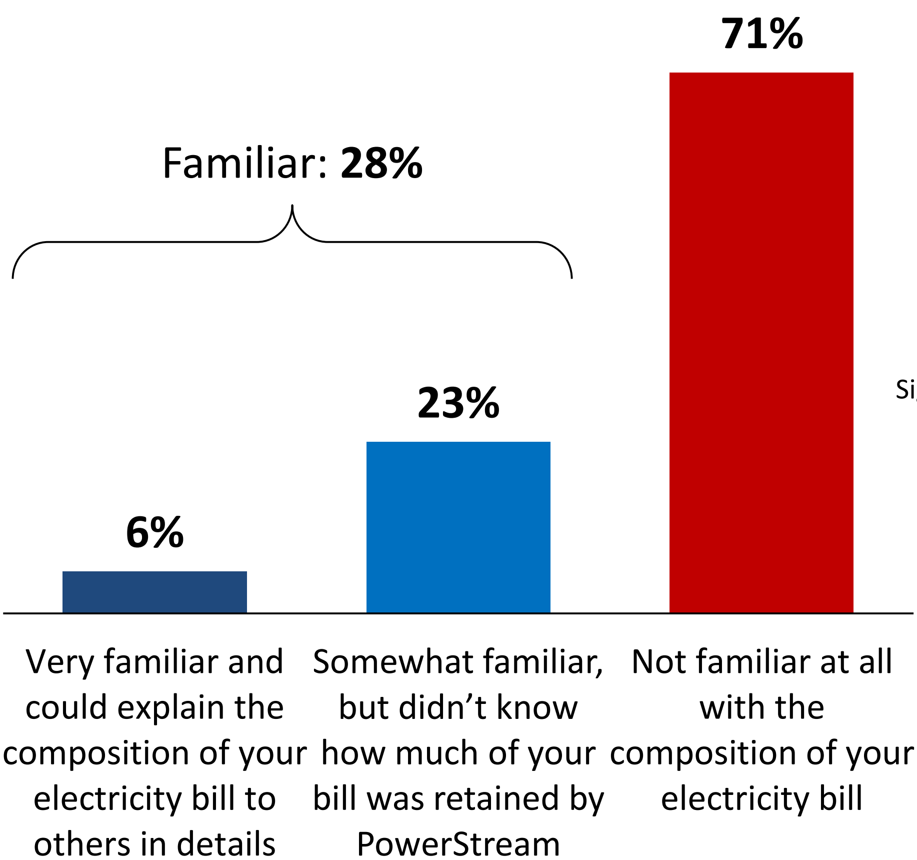
INNOVATIVE RESEARCH GROUP

Familiarity with Amount of Electricity Bill Remitted

Mid-Sized Business

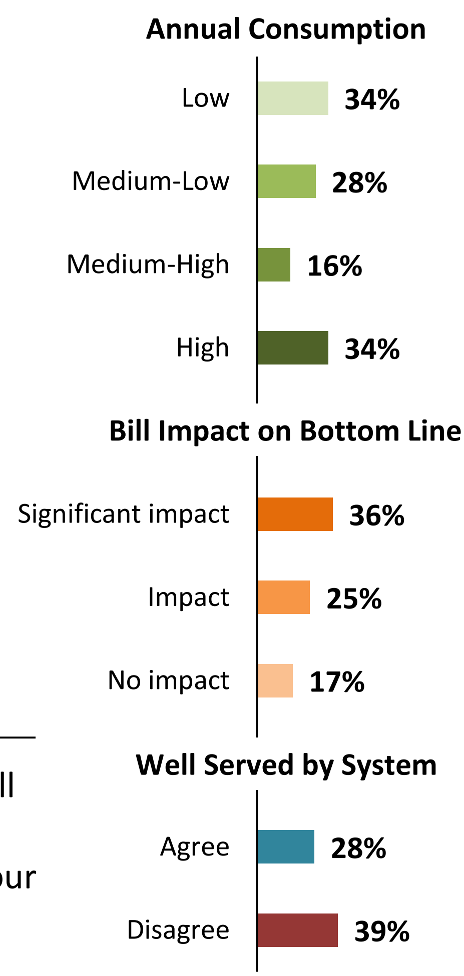
Q While Powerstream is responsible for collecting payment for the entire electricity bill, they retain about 9% of the typical mid-sized business customer's bill. This is about $1,231.50 on an average $14,310 monthly mid-sized business electricity bill. The rest of the bill goes to power generation companies, transmission companies, the provincial government and regulatory agencies.

Before this survey, how familiar were you with the percentage of your organization's electricity bill that is retained by PowerStream?
[asked all respondents, n=200]



Segmentation

*Those who say "**Familiar**":*



INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (1%) & 'Refused' (1%) not shown.

Customer Priorities

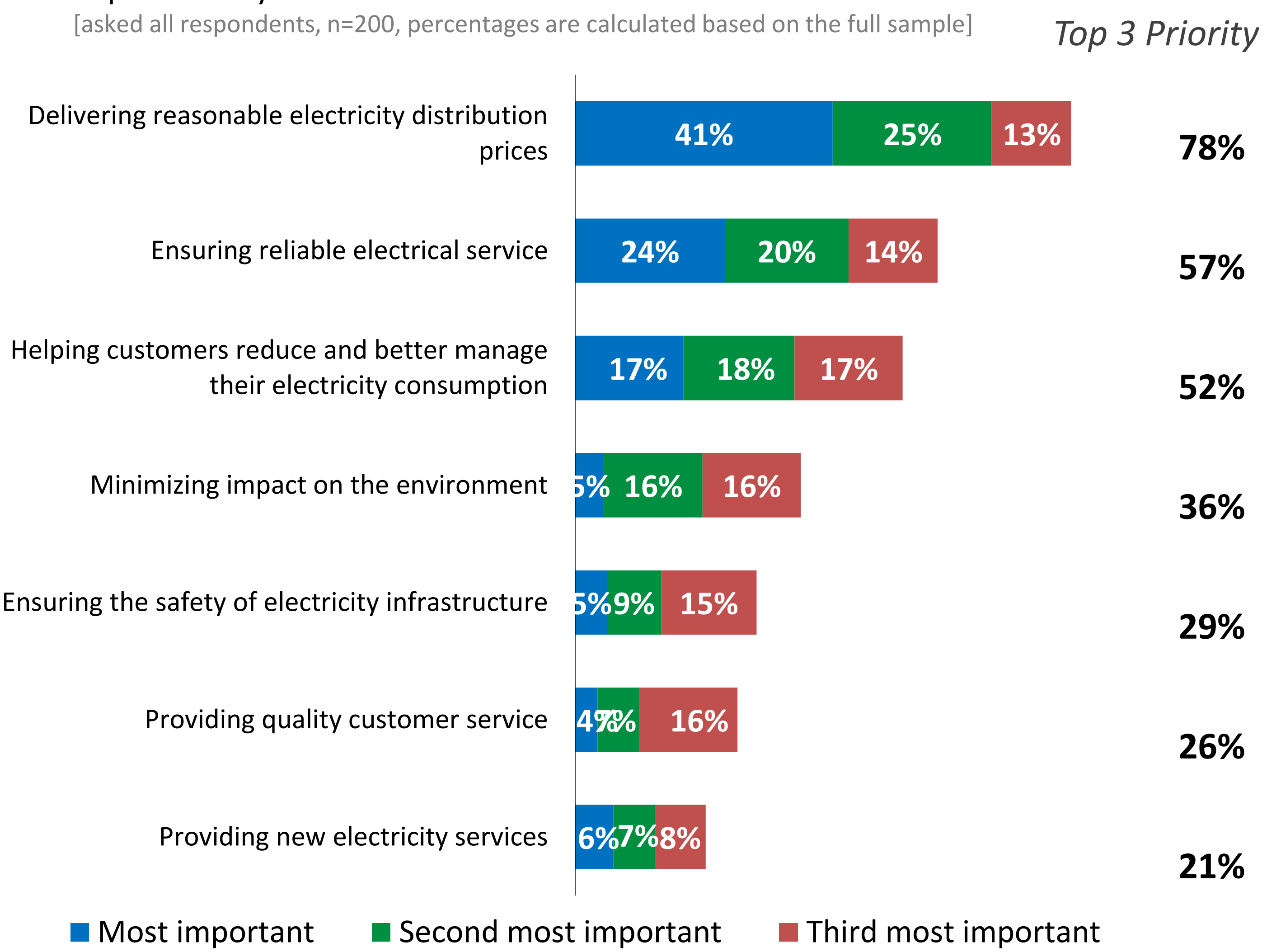
Mid-Sized Business

Q Now lets talk about our second topic – outcomes. PowerStream regularly holds discussions with its customers to better understand how it should set spending priorities with the money customers pay for service.

In recent conversations with customers, a number of company goals were identified as key priorities for PowerStream.

Among the following PowerStream priorities, please tell me which one is most important to you.

[asked all respondents, n=200, percentages are calculated based on the full sample]

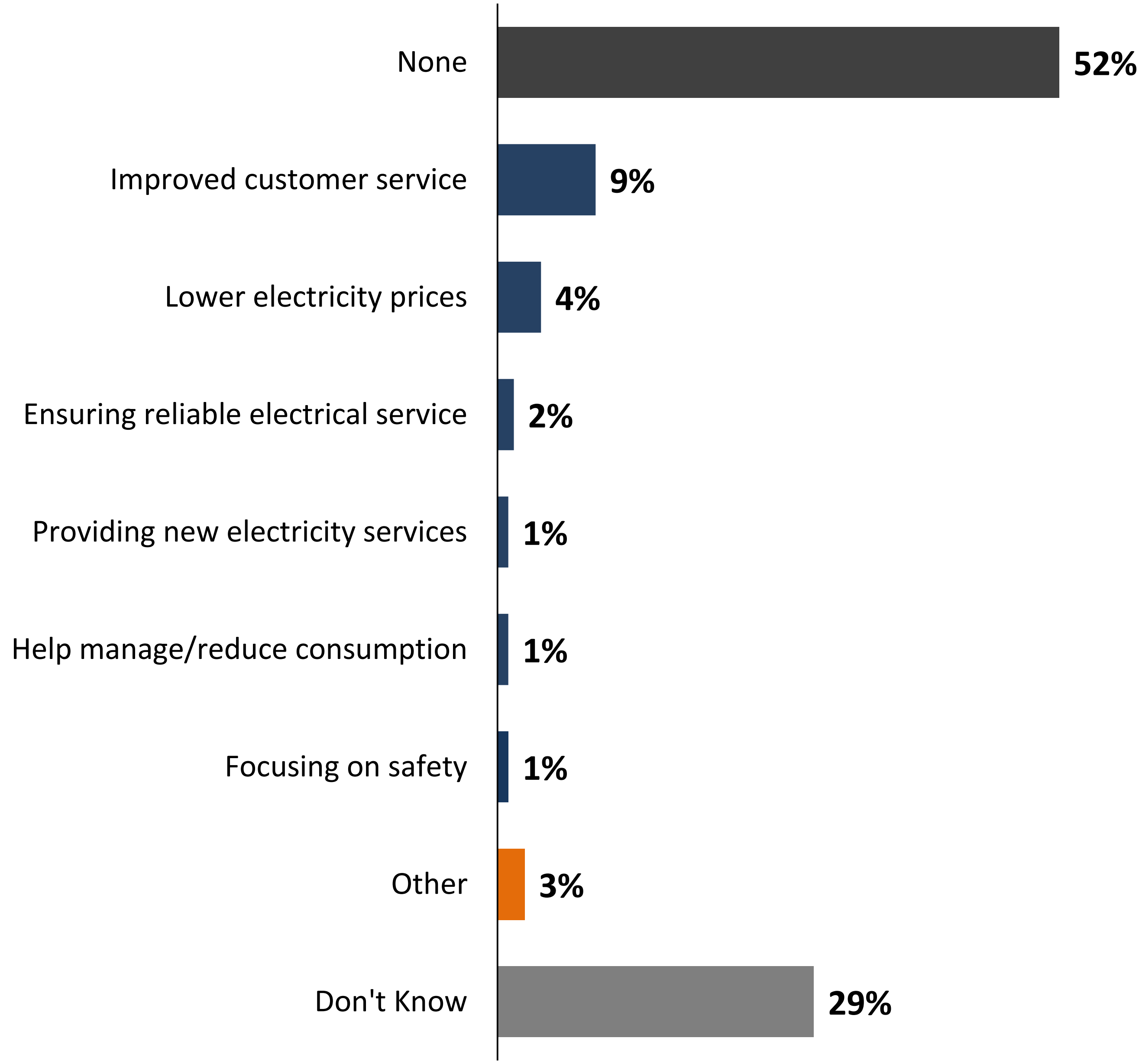


INNOVATIVE RESEARCH GROUP

Additional Priorities

Mid-Sized Business

Q Are there any other important priorities that PowerStream should be focusing on that weren't included in the previous list I read to you?
[asked all respondents, n=200]



INNOVATIVE RESEARCH GROUP

System Reliability

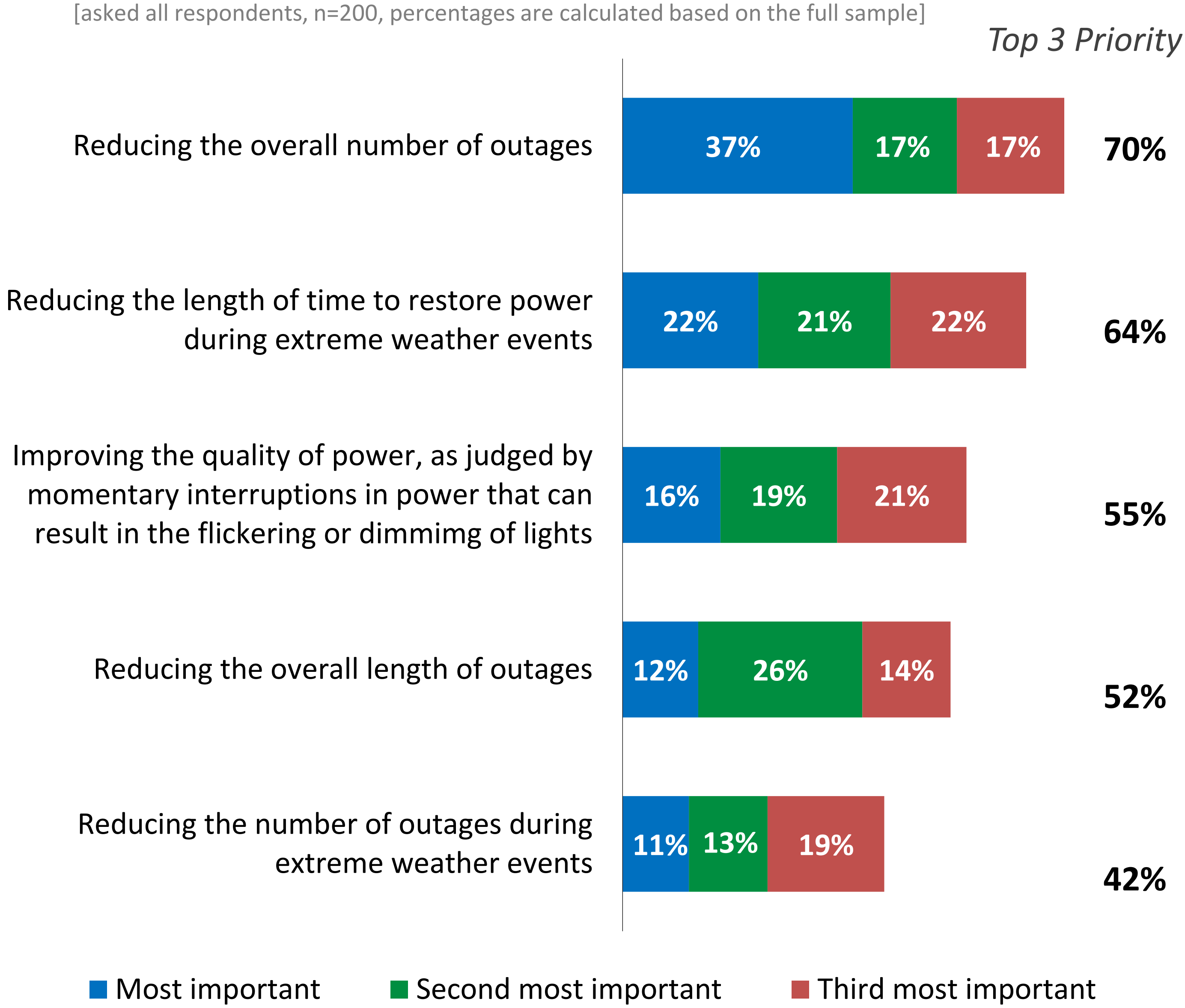
Mid-Sized Business

Q We would like to understand your experience with reliability.

There are different outcomes when customers talk about power reliability.

Among the following reliability outcomes, please tell me which one is most important to you.

[asked all respondents, n=200, percentages are calculated based on the full sample]



INNOVATIVE RESEARCH GROUP

Familiarity with how Electricity Rates are Set

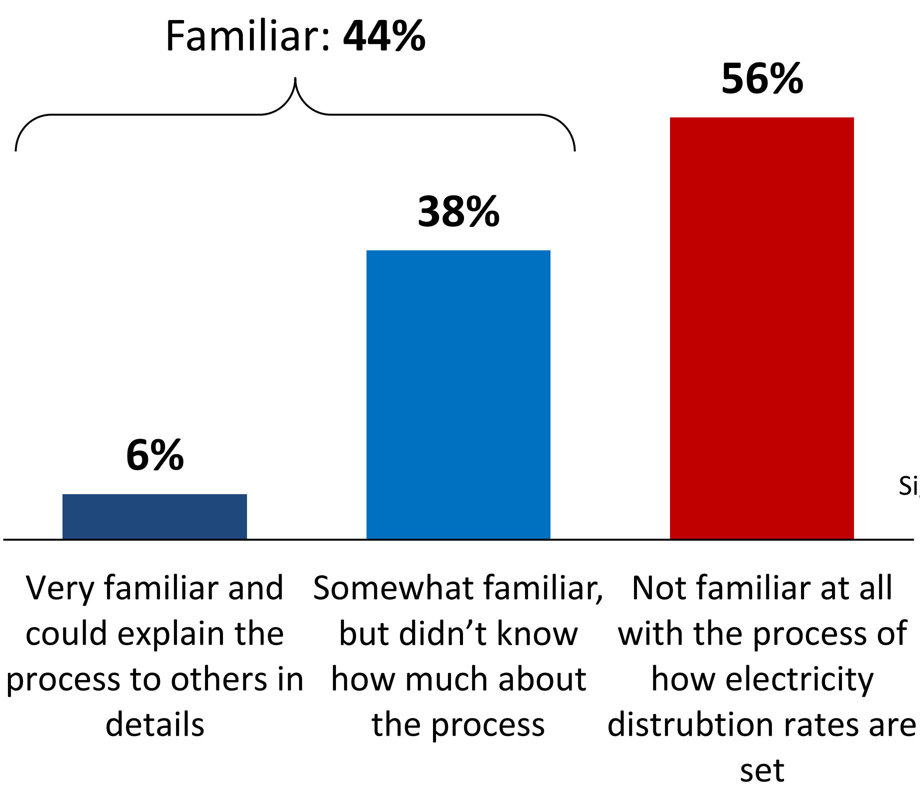
Mid-Sized Business

Q *Now, lets turn to our third topic, investment trade-offs.* The electricity industry in Ontario is regulated by the Ontario Energy Board, otherwise known as the O-E-B. The OEB sets electricity rates in Ontario.

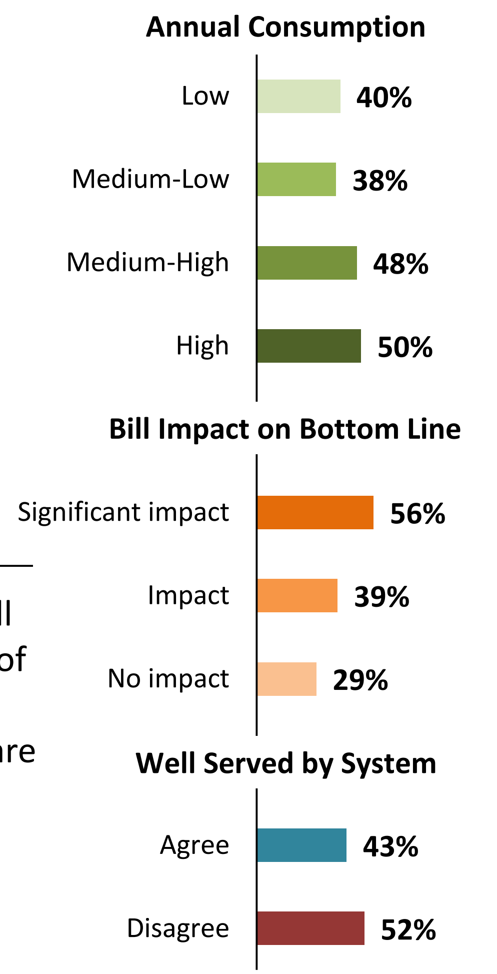
The OEB requires electricity distributors, such as Alectra Utilities, to develop its business plan and distribution system plan, as well as make spending and investment decisions based on customer feedback.

Electricity distributors are funded by the distribution rates paid by their customers. Periodically, distributors are required to file rate applications with the OEB to justify the amount of funding they need to safely and reliably distribute electricity to their customers.

Before this survey, how familiar were you with how electricity distribution rates are set in Ontario? [asked all respondents, n=200]



Segmentation
*Those who say "**Familiar**":*



Note: 'Don't know' (1%) not shown.

Investment Trade-Off Preamble

Mid-Sized Business

"Alectra Utilities is now starting to create its first overall investment plan as a merged utility. The OEB divides electricity distributor investments into four categories. One category called system access includes investments that are mandatory under the distributor's licence to operate. These include reasonable costs to connect new customers and moving existing infrastructure to accommodate civic improvements.

The spending in the other three categories involves finding the right balance between the impact on your bill and the service you receive. We would now like ask a few questions about your preferences when it comes to finding the right balance between costs and other outcomes.

I want to start by asking you about system renewal, that is the projects that replace aging electrical infrastructure."

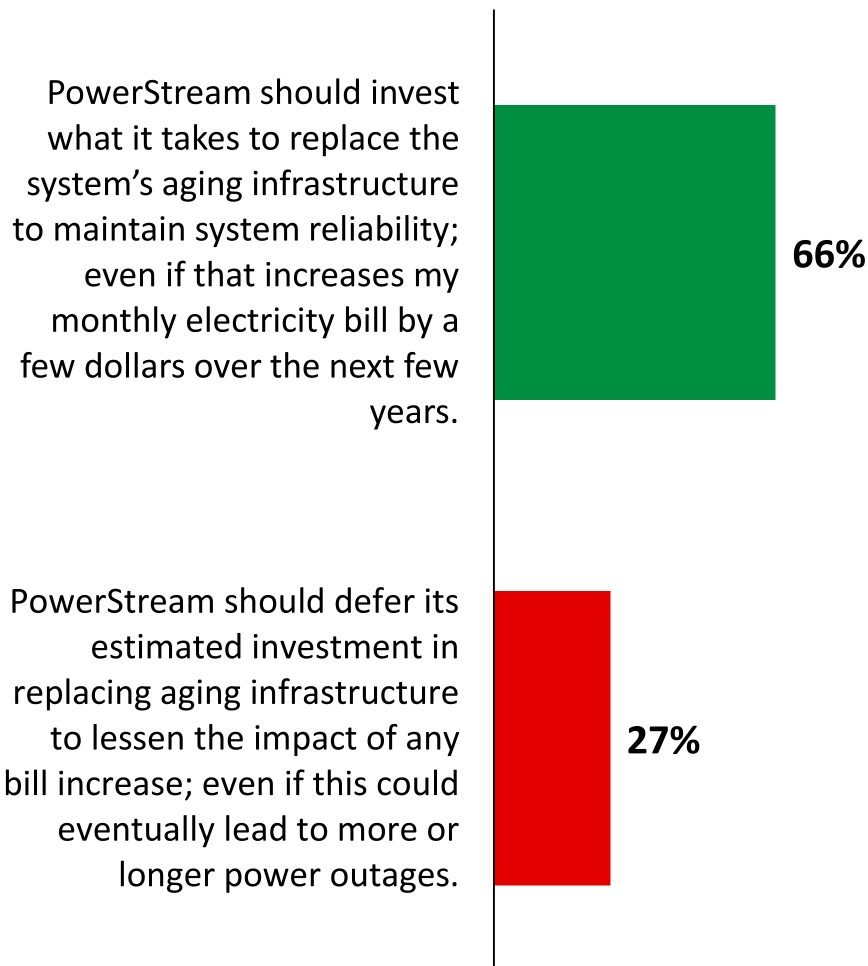
INNOVATIVE RESEARCH GROUP

Investments in Aging Infrastructure

Mid-Sized Business

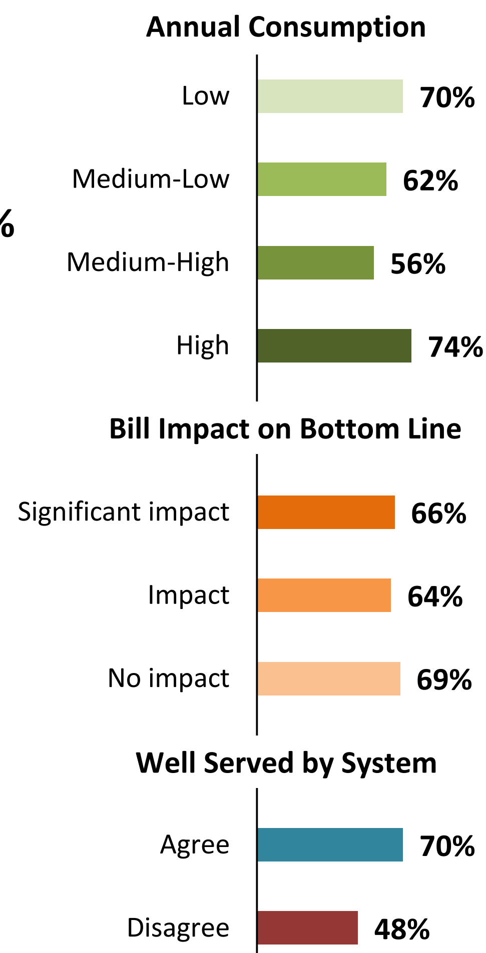
Q While PowerStream works hard to prolong the life of the assets that make up its distribution system, eventually these assets reach the end of their useful life and require replacement. Currently the average customer experiences **1.1 outages a year for an average of 57 minutes**. When adjusted to remove outages due to loss of supply from the transmission system and major storms, 42% of unscheduled outages are as a result of equipment failure in the PowerStream rate zone. However, it is not possible to predict exactly when a specific piece of aging equipment will fail. PowerStream must decide the pace at which it replaces this aging equipment.

Which of the following statements best represents your point of view?
[asked all respondents, n=200]



Segmentation

*Those who say "**invest what it takes to maintain system reliability**":*



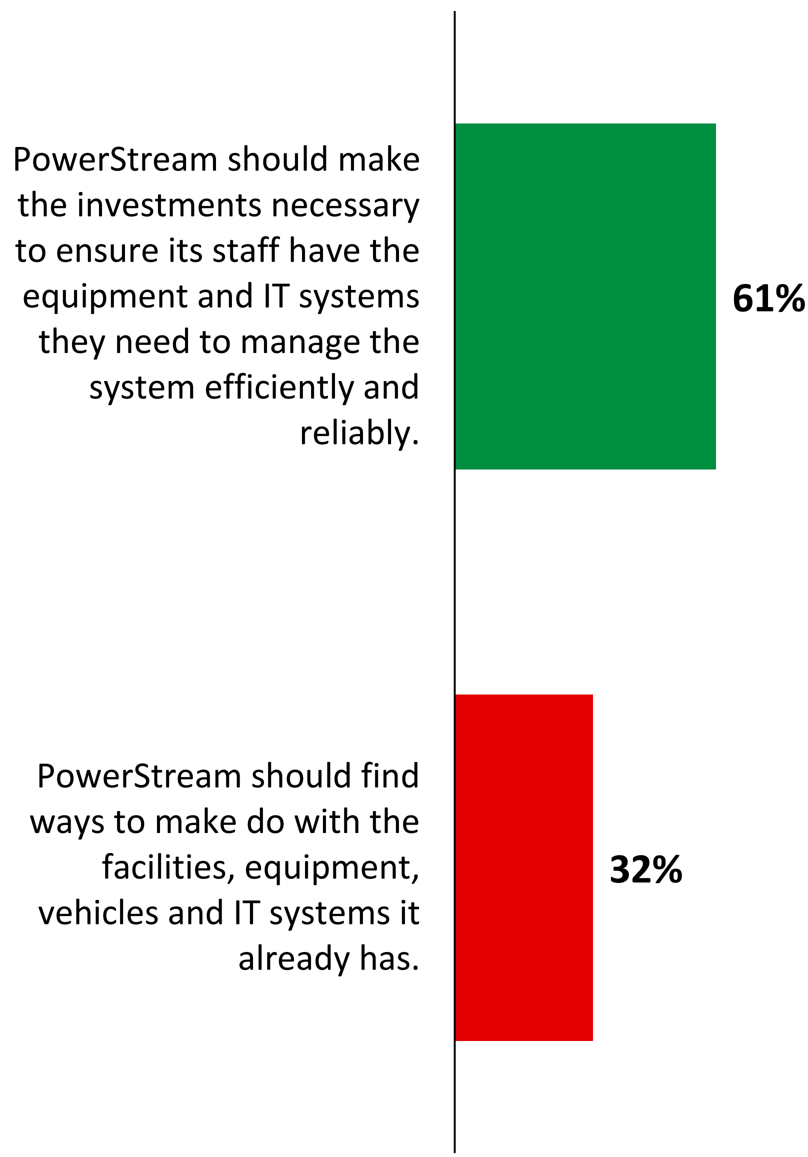
Note: 'Don't know' (5%), 'Refused' (3%) not shown.

General Plant Investments

Mid-Sized Business

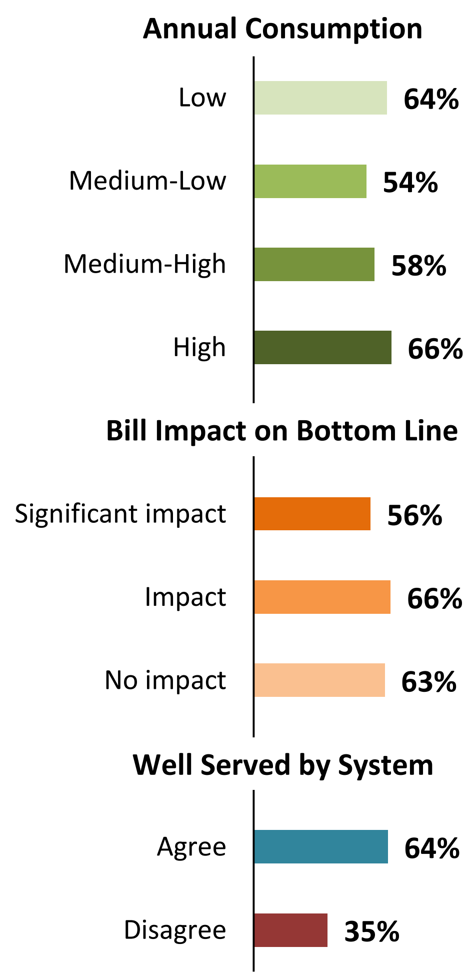
Q As a company, PowerStream needs facilities to house staff and equipment, vehicles and tools to service electrical infrastructure, and IT systems to manage the distribution system and customer information..

Which of the following statements best represents your point of view?
[asked all respondents, n=200]



Segmentation

*Those who say "**make necessary investments**":*



INNOVATIVE RESEARCH GROUP

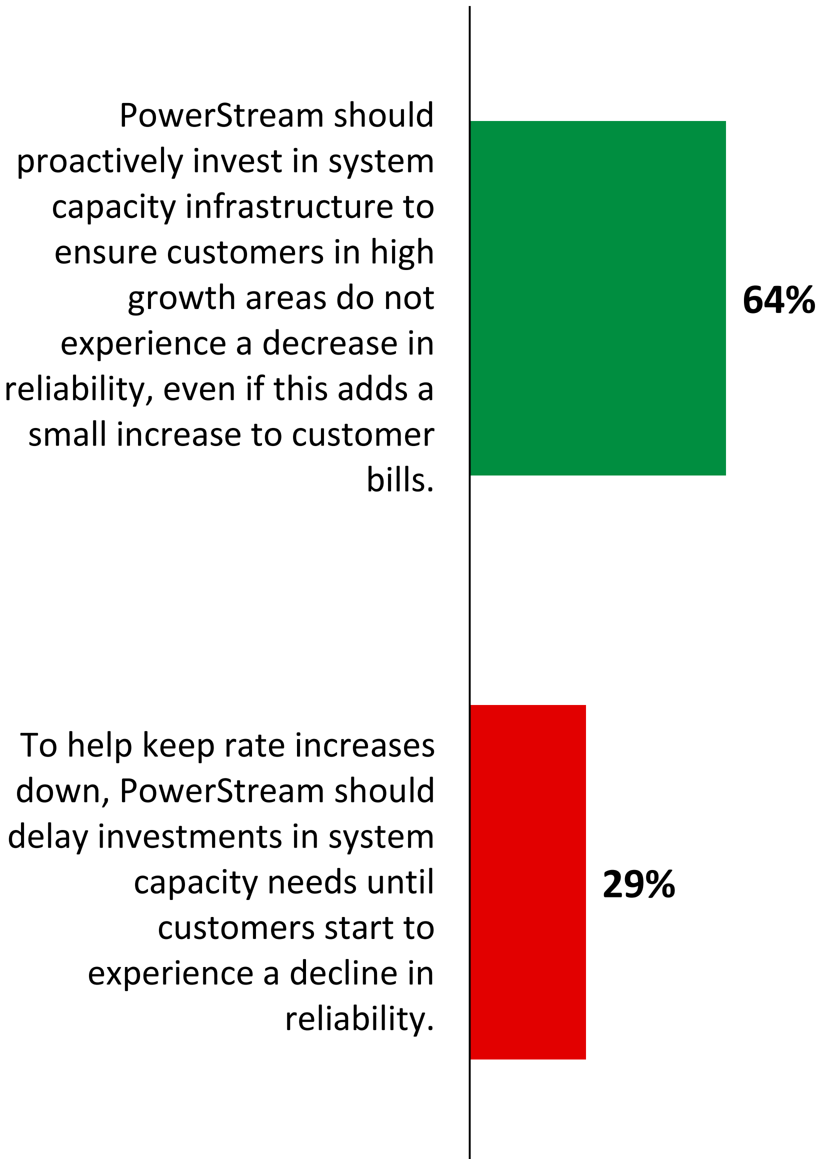
Note: 'Don't know' (7%), 'Refused' (1%) not shown.

System Service Investments

Mid-Sized Business

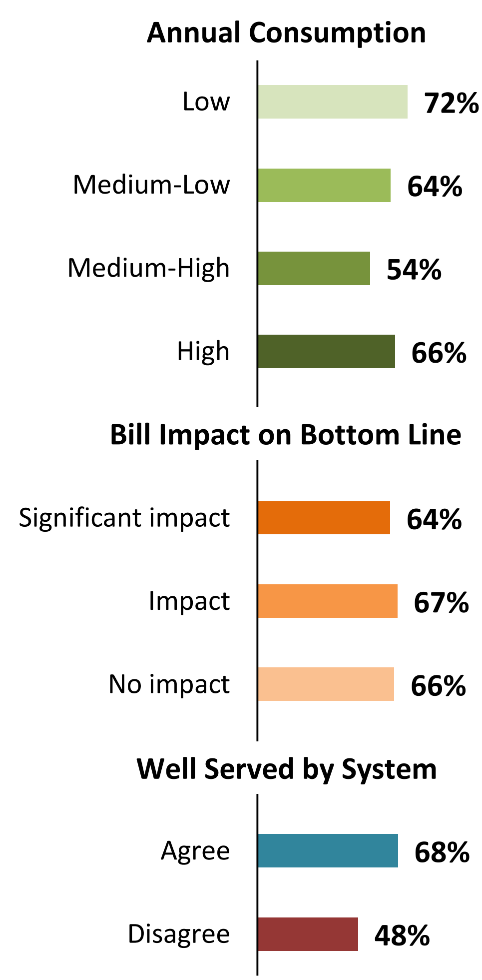
With growth in various parts of the PowerStream service area comes greater demand for electricity. This increased demand for electricity puts increased pressure on the existing electrical infrastructure. Eventually, further infrastructure investments will be required to support increased demand for electricity.

With this in mind, which of the following statements best represents your point of view?
[asked all respondents, n=200]



Segmentation

*Those who say "**proactively invest in system capacity**":*



INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (4%), 'Refused' (4%) not shown.

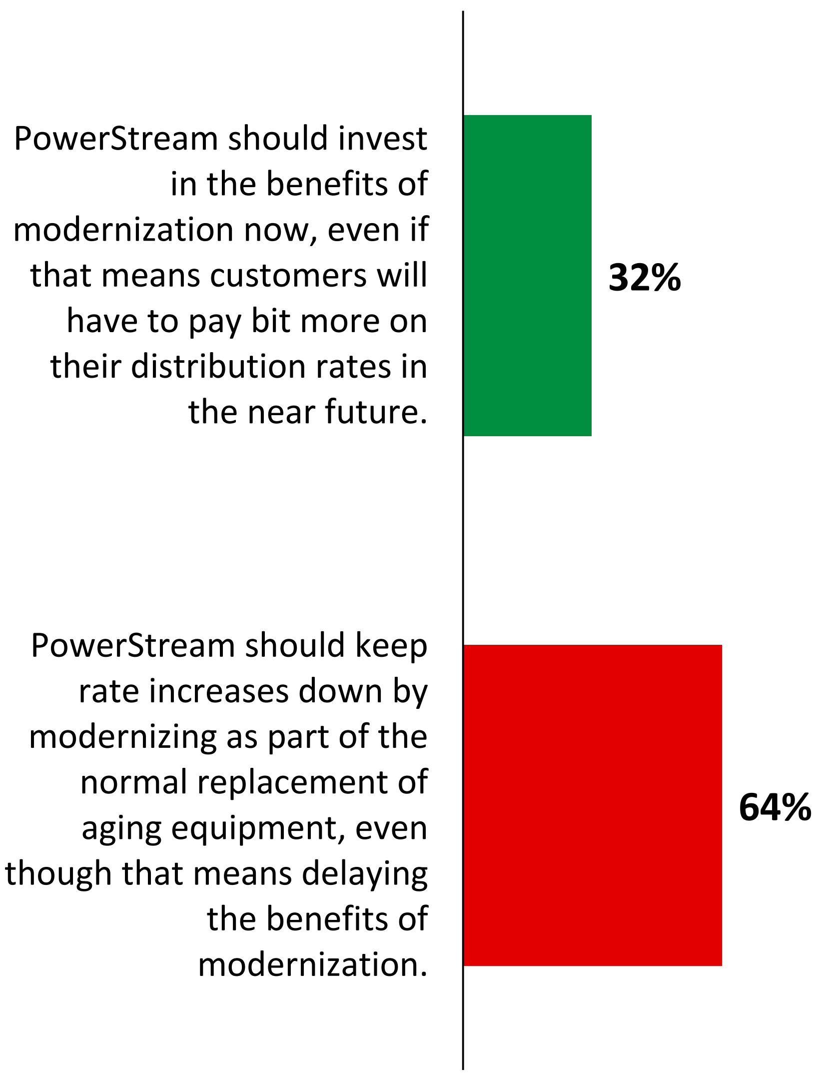
Modernizing the Distribution System

Mid-Sized Business

Q There are new technologies that PowerStream can implement such as microgrids, electricity storage, and automatic switches that can give customers more choices, improve reliability or reduce the impact on the environment.

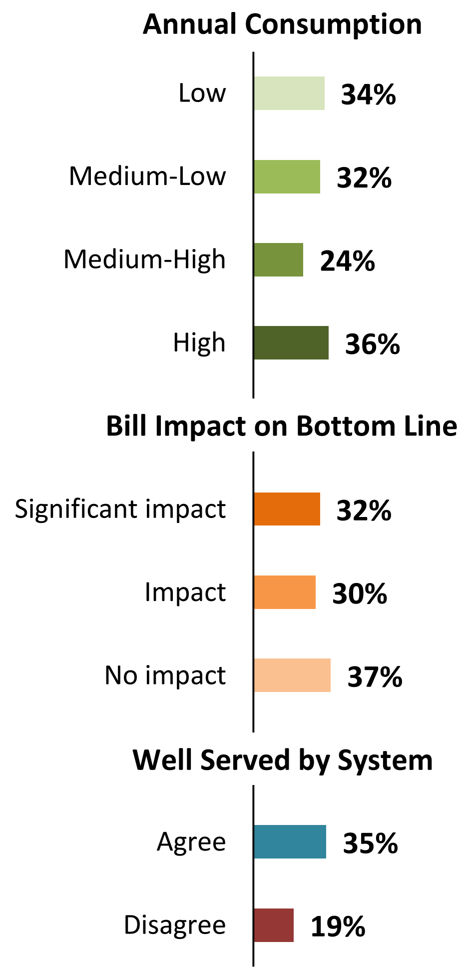
These investments would create a better grid, but are not required to maintain the reliability that you experience today.

Which of the following statements best represent your point of view?
[asked all respondents, n=200]



Segmentation ▶▶

*Those who say "**invest in modernization now**":*



INNOVATIVE RESEARCH GROUP

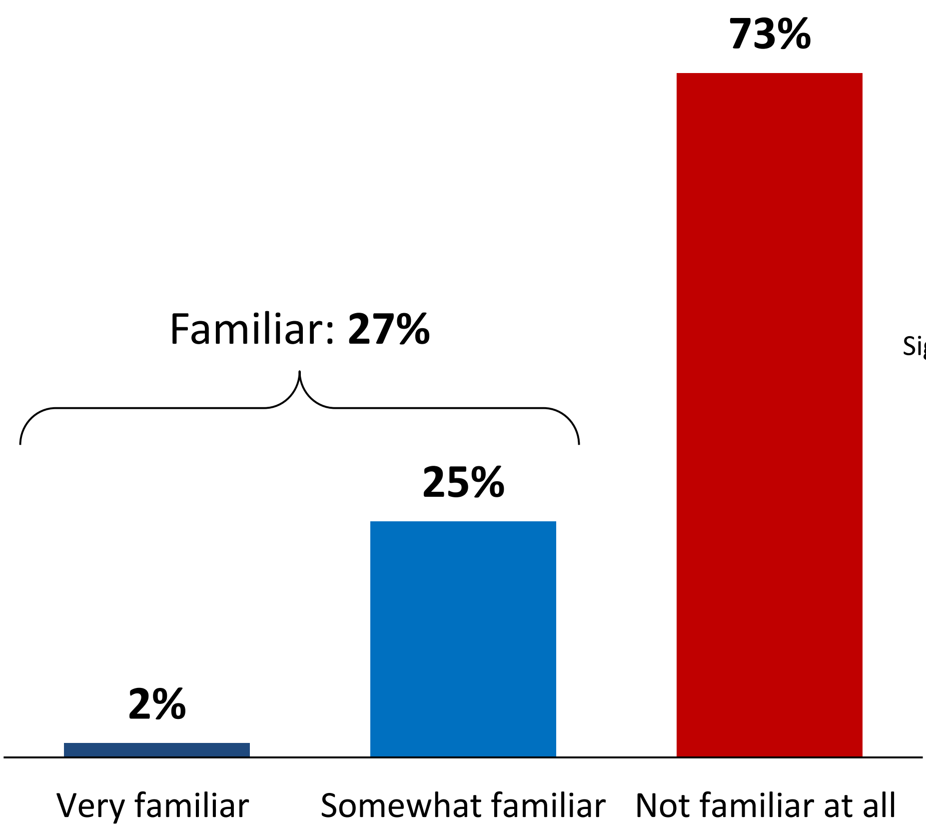
Note: 'Don't know' (3%), 'Refused' (2%) not shown.

Familiarity with OEB "Cost Saving" Requirements

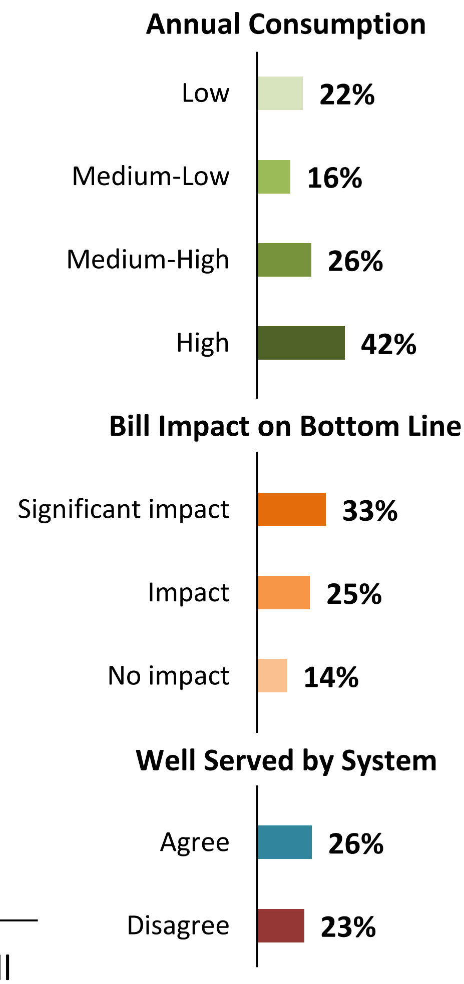
Mid-Sized Business

Q As we mentioned earlier, the rates you pay to PowerStream are set by the OEB through a public process. PowerStream's current rates were approved in a 2017 application and will be in place until 2027. Each year PowerStream is permitted to increase rates to reflect inflation minus savings targets established by the OEB which requires PowerStream to keep cost increases below inflation.

Before this survey, how familiar were you with the OEB requirement for PowerStream to find savings every year?
[asked all respondents, n=200]



Segmentation ▸▸
*Those who say "**Familiar**":*



INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (1%), 'Refused' (1%) not shown.

ICM Rate Impact Preamble

Mid-Sized Business

"Now let's turn to our final topic – possible new projects. As part of the OEB policies, there is an option for PowerStream to apply for additional rate increases for discrete projects that are prudent, needed and not supported by existing rates. Looking ahead to 2019, PowerStream has identified three projects that need more investment than the existing budget allows.

One project involves relocating six major feeder lines and the accompanying metering equipment to accommodate the rebuild of a major Transmission substation. PowerStream is using the lowest cost option to complete this project.

The second project involves relocating poles and wires as part of the York Region Rapid Transit VIVA bus projects. There are no major design choices in this project."

Bathurst Street Road Widening Preamble

Mid-Sized Business

"The third project involves relocating both overhead and underground wires and supporting equipment as part of the Bathurst Street road widening from Highway 7 to Teston road.

Powerstream has two options for this project. It can [ROTATE]:

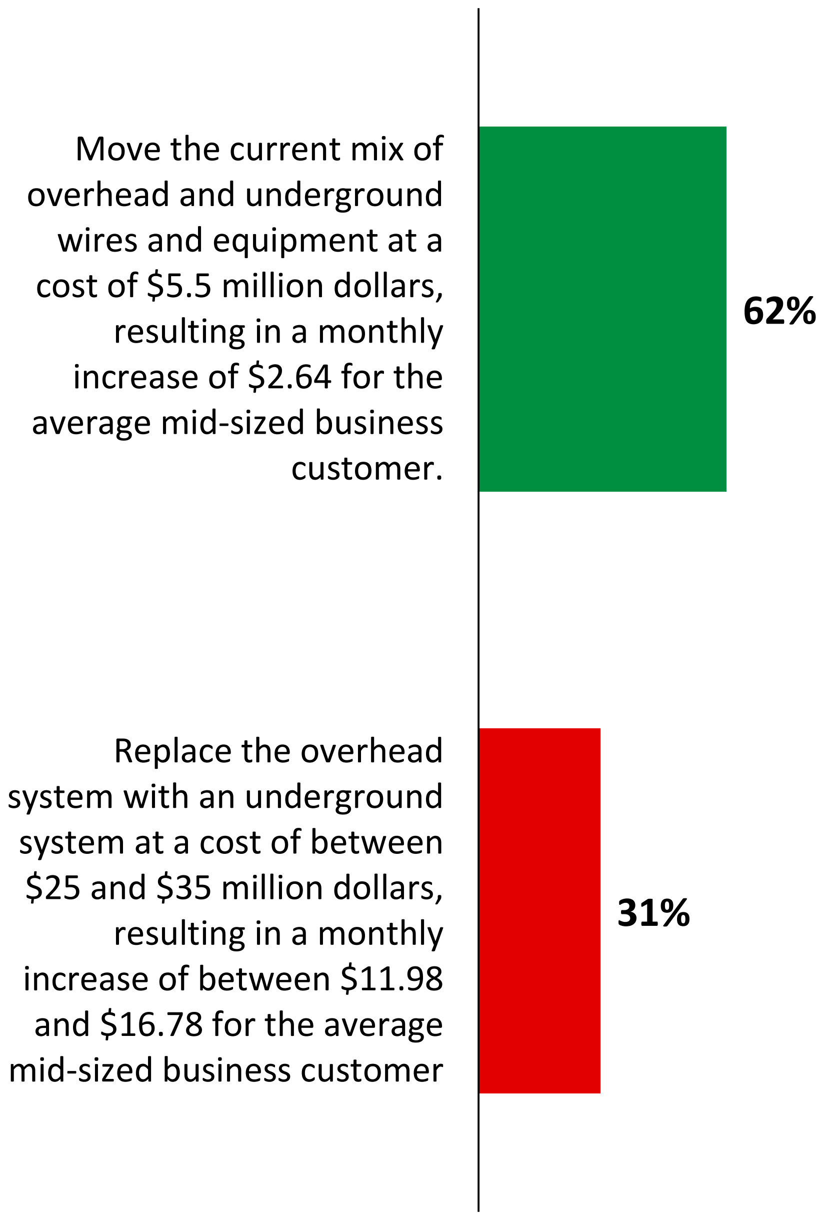
- *move the current mix of overhead and underground wires and equipment at a cost of $5.5 million dollars, OR*
- *replace the overhead system with an underground system for better protection against weather and collisions from vehicles at a cost of between $25 and $35 million dollars."*

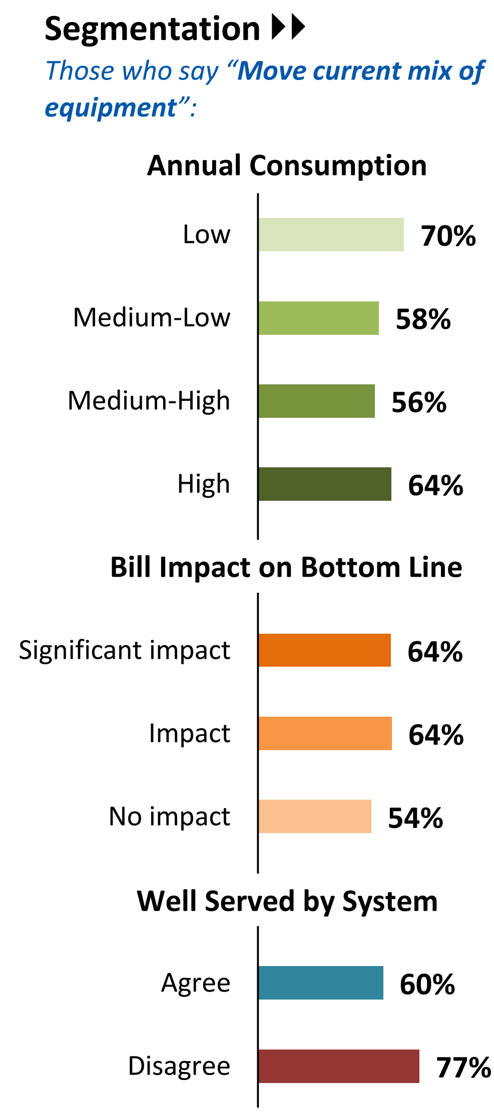
Bathurst Street Road Widening

Mid-Sized Business

Q Given earlier customer feedback emphasizing the need to keep rate increases down, PowerStream is currently planning on taking the first option - to move the current mix of overhead and underground wires and equipment

Which option do you prefer?
[asked all respondents, n=200]





INNOVATIVE RESEARCH GROUP

Note: 'Don't know' (6%), 'Refused' (2%) not shown.

Opinion of Proposed ICM Rate Impact

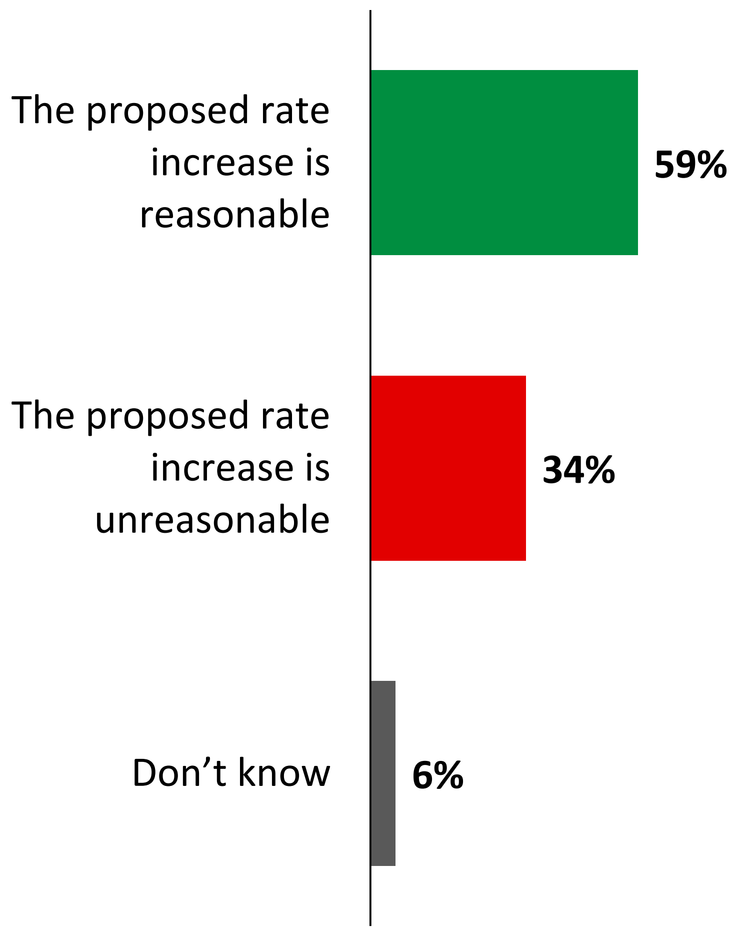
Mid-Sized Business

Q As I mentioned earlier, each year PowerStream is permitted to increase rates to reflect inflation minus a stretch factor which requires PowerStream to find savings to keep cost increases below inflation. In order to maintain the existing plan to replace aging infrastructure and complete the mandatory projects previously discussed, PowerStream would need to add a $10.03 charge to the typical mid-sized business customers monthly electricity bill, from 2019 to 2026.

That would result in an annual increase of $120.36 each year over the course of the next eight years – *totalling $962.88 over that period.*

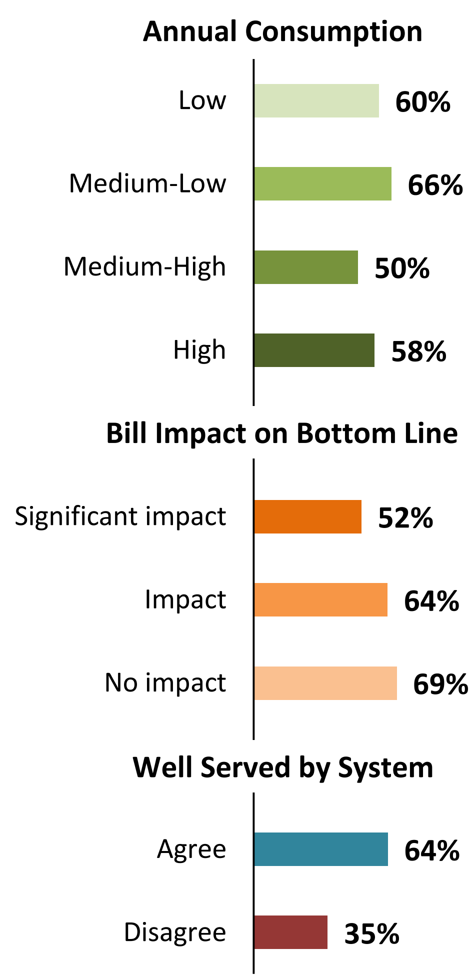
What is your opinion on this proposed rate increase in 2019?

[asked all respondents, n=200]



Segmentation

*Those who say "**Rate increase is reasonable**":*



Note: 'Refused' (2%) not shown.

Large Use Customers (2MW+)

Custom Online Survey: *Methodology*

Survey Design

These are the findings of an **Innovative Research Group** (INNOVATIVE) online survey conducted among **Large Use customers (2MW+) in the PowerStream rate zone** between May 17 and 29, 2018.

The focus of these surveys was to collect feedback on expectation, needs and preference as well as trade-offs related to DSPs and specific projects brought forward for the purposes of the ICM applications. Each of surveys were customized to reflect the estimated rate impacts for individual Large Users related to specific capital projects in the Enersource rate zone.

Alectra Utilities provided INNOVATIVE with an email contact list consisting of the prime contact for each of its **47 Large Use customers** in the PowerStream rate zone. INNOVATIVE provided each key account contact with a unique URL via an email invitation so that only customers identified by Alectra Utilities were able to complete the survey and complete the survey only once.

Customers were sent <u>three reminder emails</u> to encourage survey participation. In addition, Alectra Utilities staff followed up with customers by telephone to encourage survey participation.

The analysis of this report is based on **13 of 47** Large Use customers in the Enersource rate zone (**a survey completion rate of 28%**).

Individual Large Use customers responses were anonymous and no identifiable respondent information was shared with Alectra Utilities. Responses were combined to protect the confidentiality of individual Large Users.

Note: *Graphs and tables may not always total 100% due to rounding values rather than any error in data. Sums are added before rounding numbers. Caution interpreting results with small n-sizes.*

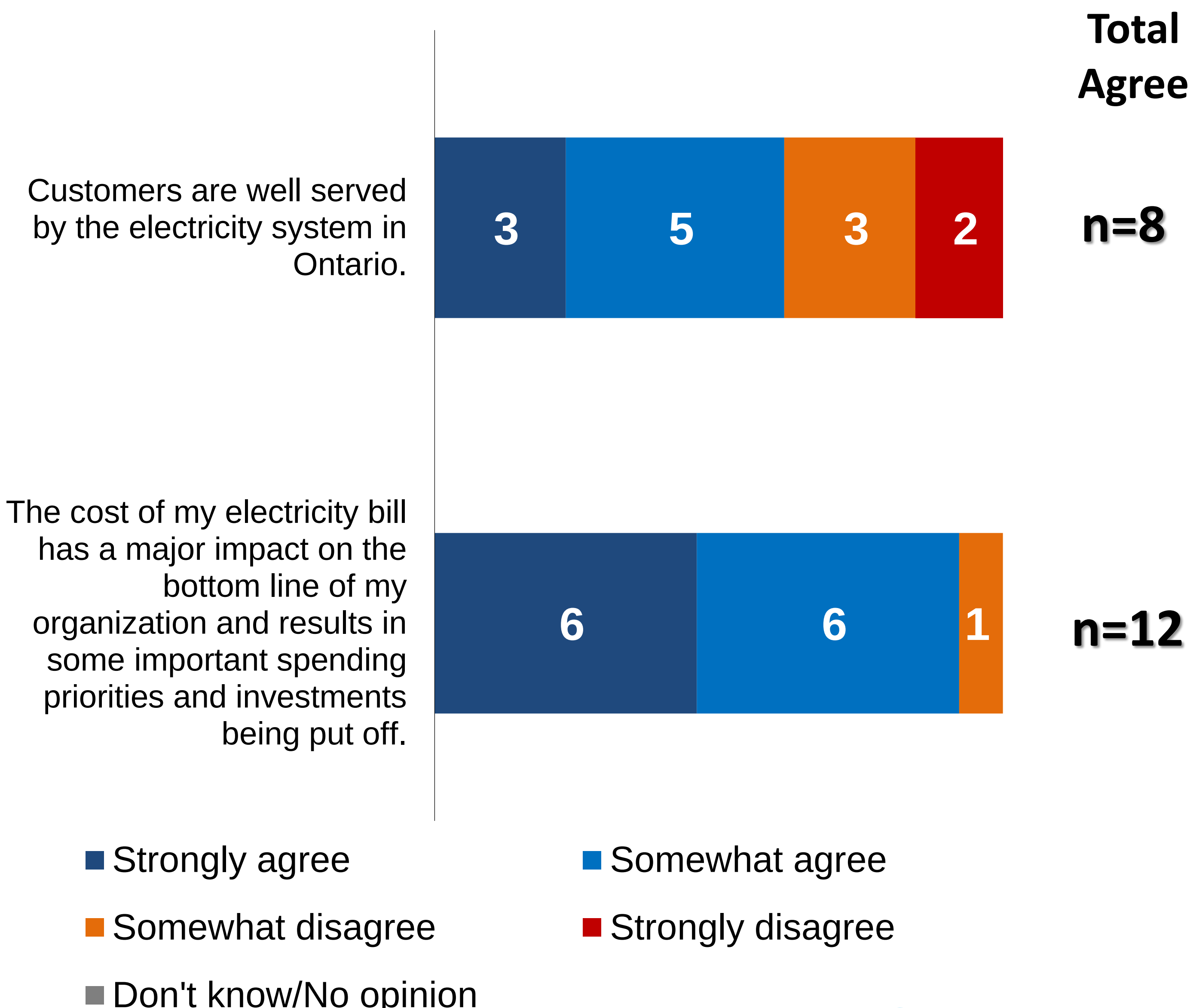
INNOVATIVE RESEARCH GROUP

Segmentation & Firmographics

Large Use (2MW+)

Q For each statement please tell me if you would strongly agree, somewhat agree, somewhat disagree or strongly disagree. If you don't know enough to say or don't have an opinion just let me know.

[asked all respondents, n=13]



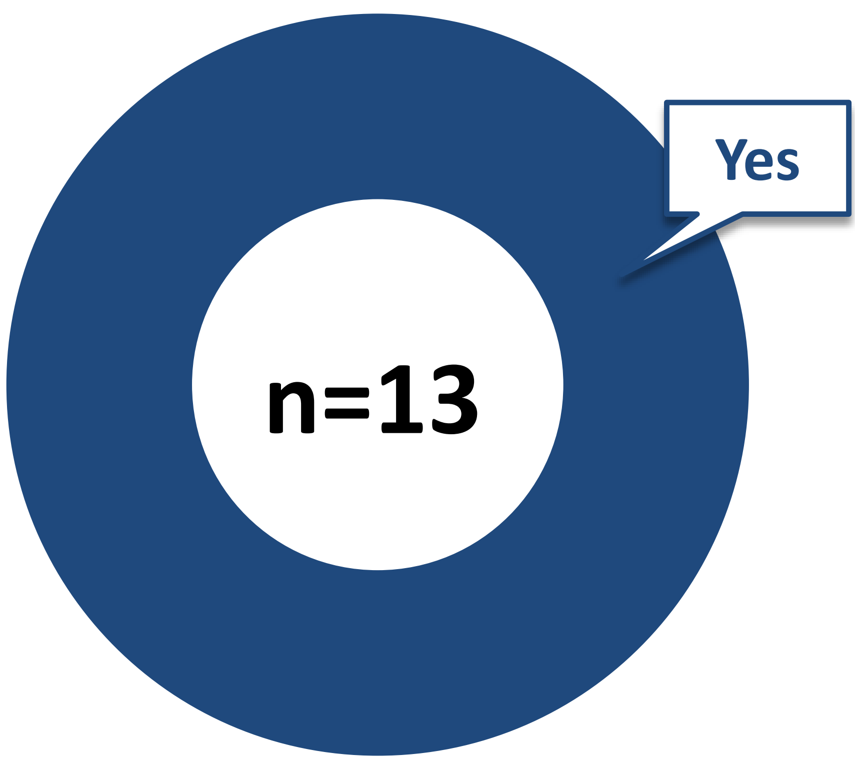
INNOVATIVE RESEARCH GROUP

Awareness of Merger

Large Use (2MW+)

Q You may have recently heard that **PowerStream** has merged with neighbouring electricity distributors to form a new company called **Alectra Utilities**.

Had you heard of the Alectra Utilities merger before this survey?
[asked all respondents, n=13]

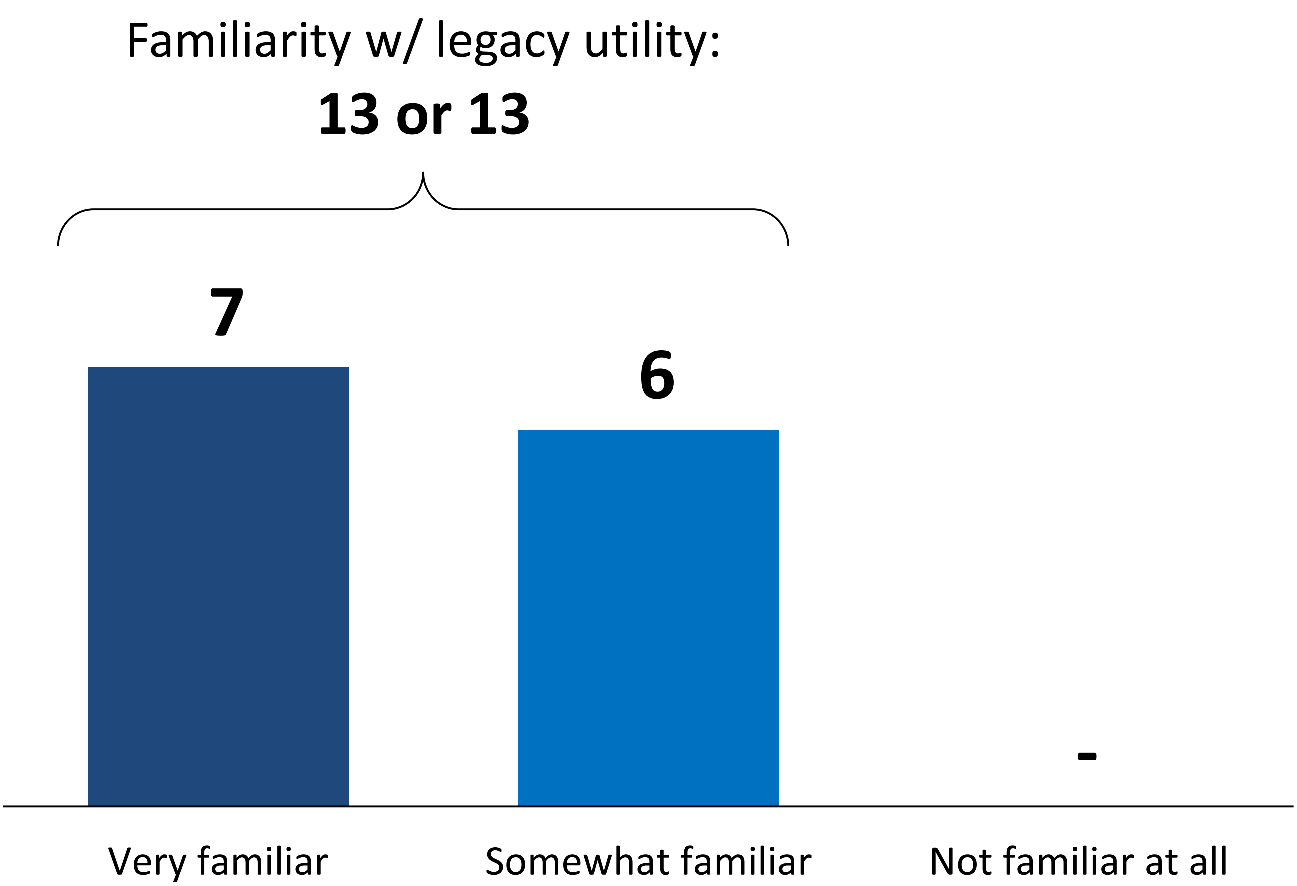


Familiarity with PowerStream

Large Use (2MW+)

Q First, let's talk about your experience. As you may know, **PowerStream** operates and maintains the local electricity distribution system in this area. This is the system that takes the electricity from provincial transmission lines and brings it to your business through a network of wires, poles and other equipment that is owned and operated by **PowerStream**.

How familiar are you with **PowerStream**?
[asked all respondents, n=13]

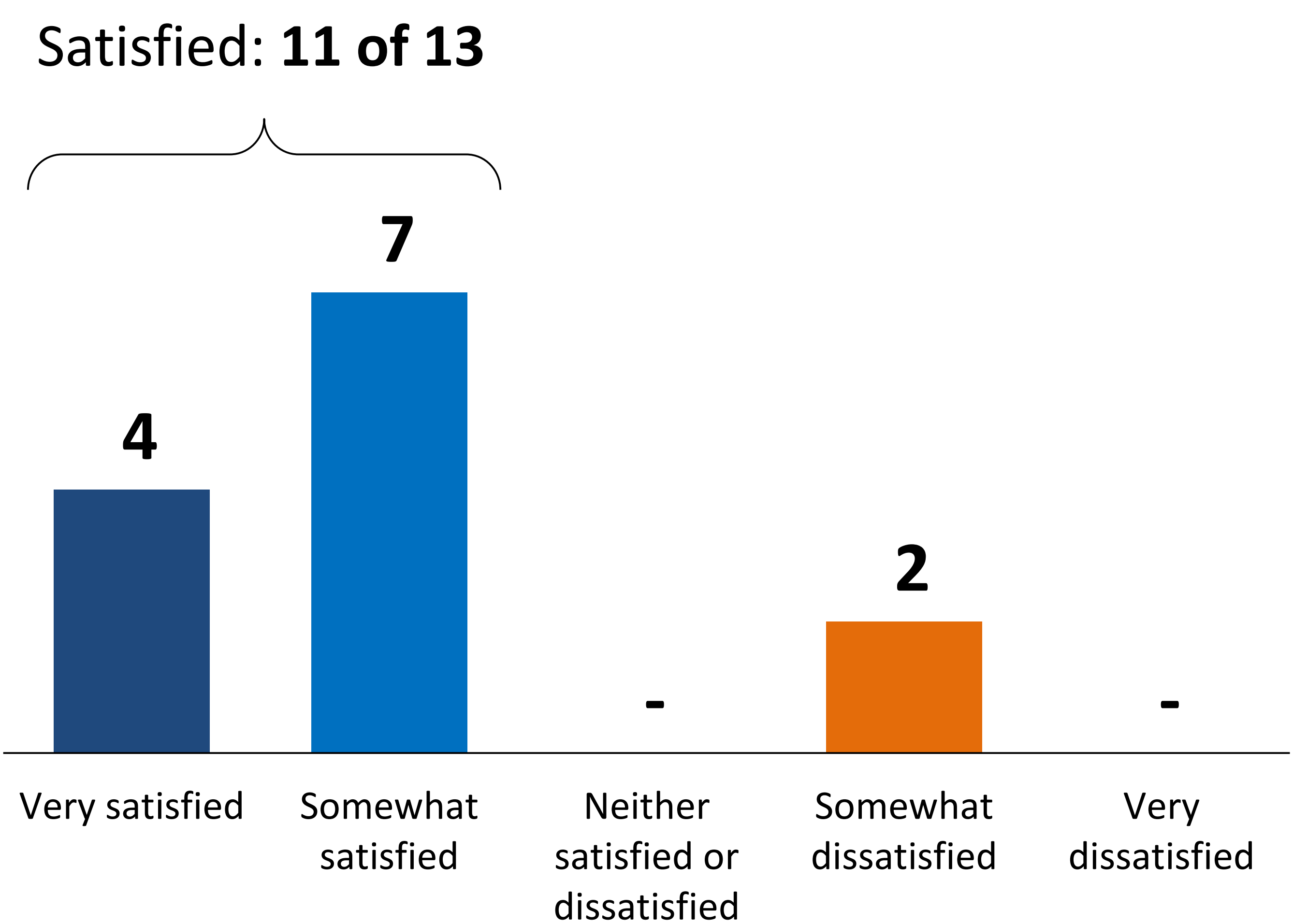


Note: 'Don't know' (0) not shown.

Satisfaction with Services

Large Use (2MW+)

Q In general, how satisfied or dissatisfied are you with the services your organization receives from **PowerStream**? Would you say you are very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied?
[asked all respondents, n=13]



Note: 'Don't know' (0) not shown.

Suggestions for Improvements

Large Use (2MW+)

Q Is there anything in particular **PowerStream** can do to improve its service to your organization?
[asked all respondents, n=13]

8 of 13 → Nothing/Don't know

Verbatim:

Respondent 1)
a) Keep our power on without any disruptions to our business
b) Update the equipment to avoid disruptions
c) More detailed information from control office during outages
d) Reduce the cost of electricity

Respondent 2)
Provide notice in accordance with the operating agreement

Respondent 3)
Quicker response to power outage conditions. We had one local outage at our pole fuse that took to long to respond too, and we did address this with PowerStream representatives at that time. We never received what we thought was an adequate closure to this incident.

Respondent 4)
Simplify the monthly bill.

Respondent 5)
This improved recently with changes in our account manager. However, previous to this we did not feel Powerstream was responsive with information concerning outages - why it occurred and any corrective action being taken to prevent future recurrences.

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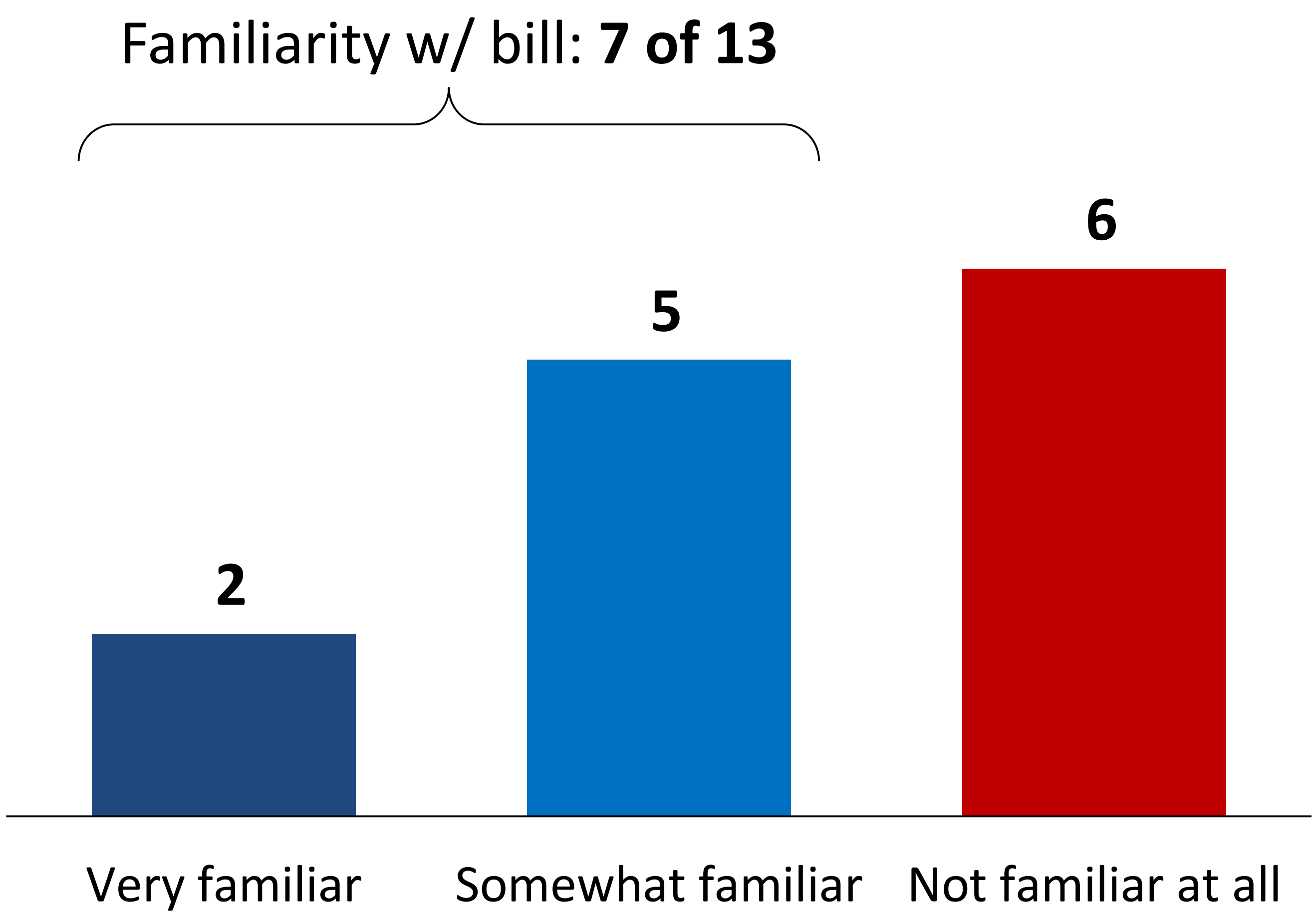
Familiarity with Amount of Electricity Bill Remitted

Large Use (2MW+)

Q The next question is specifically about [**PIPE**]'s electricity bill.

While **PowerStream** is responsible for collecting payment for the entire electricity bill, they retain about [**PIPE**] of your organization's bill. This is about [**PIPE**] on your average [**PIPE**] monthly electricity bill. The rest of the bill goes to power generation companies, transmission companies, the provincial government and regulatory agencies.

Before this survey, how familiar were you with the percentage of your organization's electricity bill that is retained by **PowerStream**?
[asked all respondents, n=13]



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Note: 'Don't know' (0) not shown.

Customer Priorities

Large Use (2MW+)

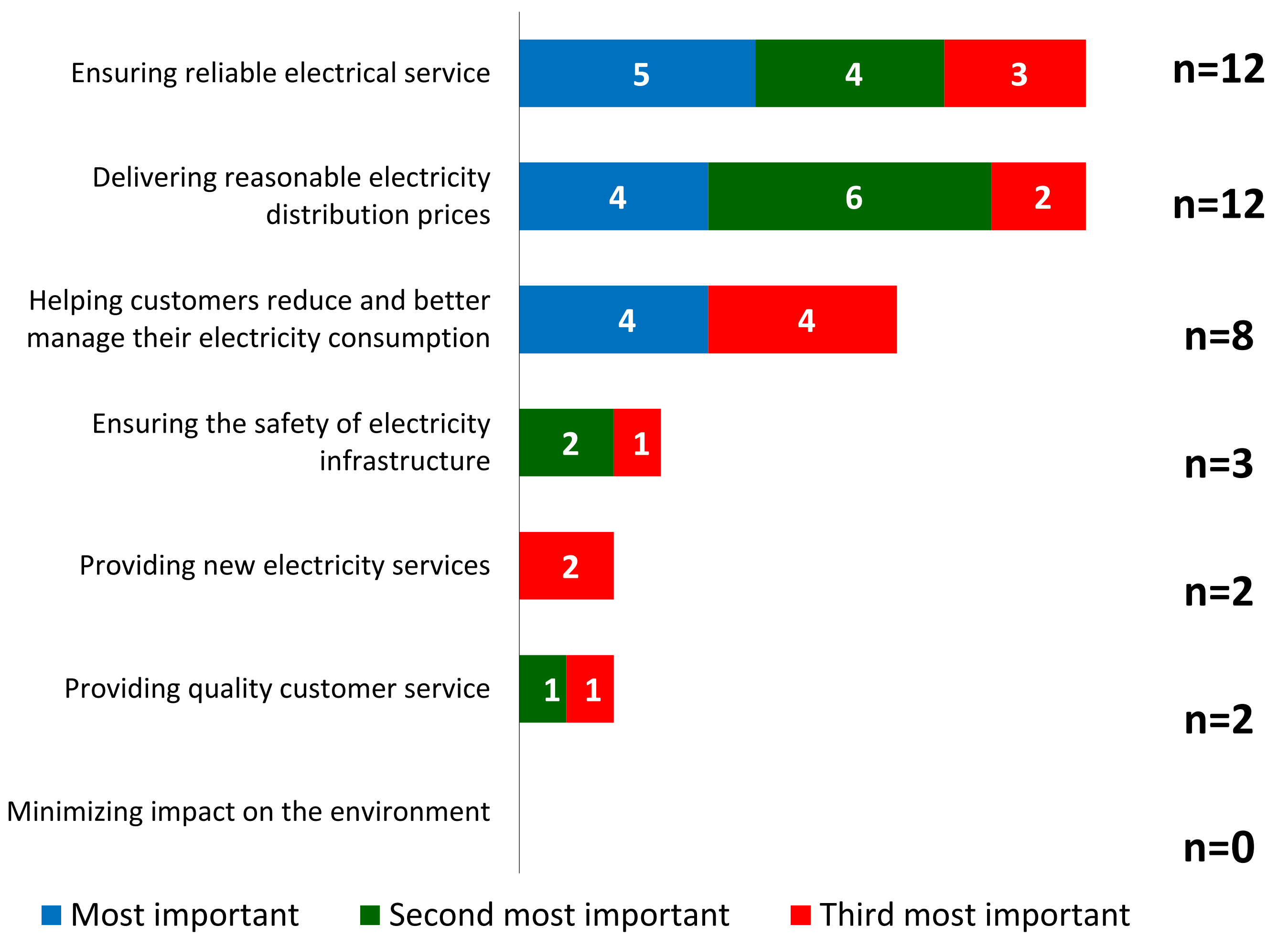
Q **Now lets turn to our second topic – outcomes.** PowerStream regularly holds discussions with its customers to better understand how it should set spending priorities with the money customers pay for service.

In recent conversations with customers, a number of company goals were identified as key priorities for PowerStream.

Among the following PowerStream priorities, please tell me which one is most important to you.

[asked all respondents, n=13]

Top 3 Priority



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Note: 'Don't know' (0) not shown.

Additional Priorities

Q Are there any other important priorities that PowerStream should be focusing on that weren't included in the previous list I read to you?
[asked all respondents, n=12]

11 of 13 → No/Don't know

Verbatim:

Respondent 1)
Just help us reduce the global adjustment part of the bill.

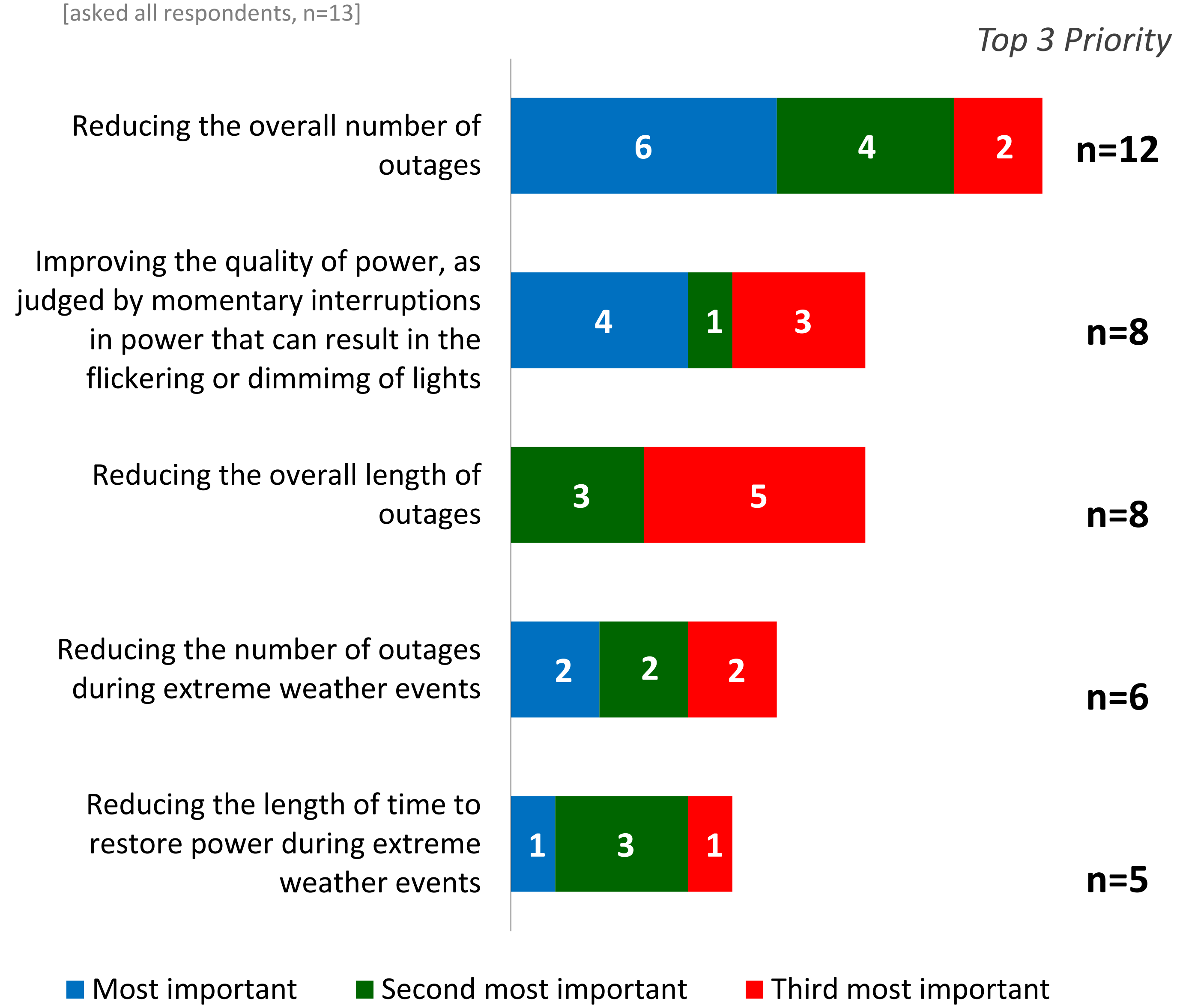
Respondent 2)
This is a very good and comprehensive list of priorities

System Reliability

Q **We would like to understand your experience with reliability.**

There are different outcomes when customers talk about power reliability.

Among the following reliability outcomes, please tell me which one is most important to you.
[asked all respondents, n=13]



Note: 'Don't know' (0) not shown.

Familiarity with how Electricity Rates are Set

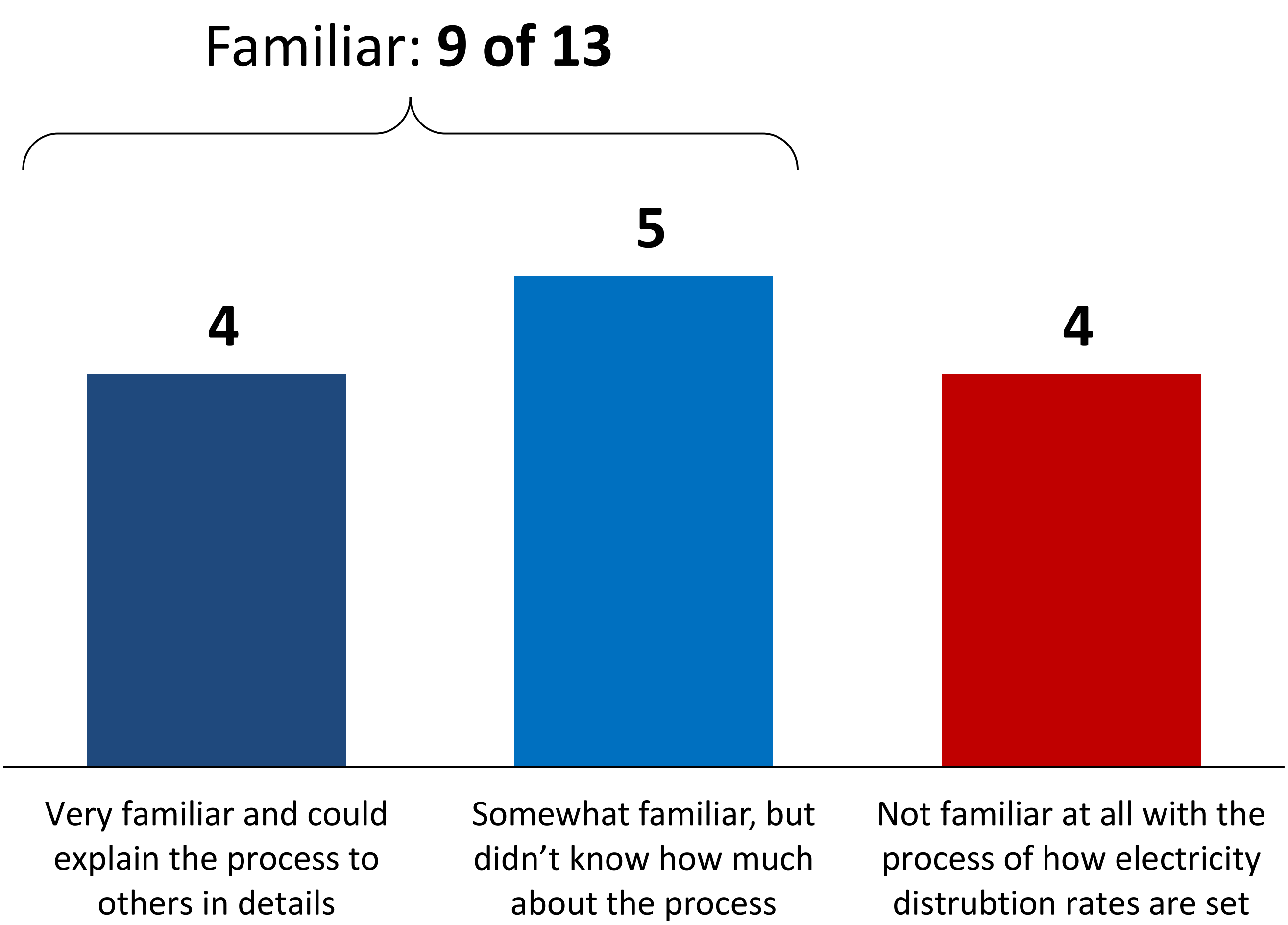
Large Use (2MW+)

Q ***Now, lets turn to our third topic: investment trade-offs***. The electricity industry in Ontario is regulated by the Ontario Energy Board, otherwise known as the OEB. The OEB sets electricity rates in Ontario.

The OEB requires electricity distributors, such as Alectra Utilities, to develop its business plan and distribution system plan, as well as make spending and investment decisions based on customer feedback.

Electricity distributors are funded by the distribution rates paid by their customers. Periodically, distributors are required to file rate applications with the OEB to justify the amount of funding they need to safely and reliably distribute electricity to their customers.

Before this survey, how familiar were you with how electricity distribution rates are set in Ontario?
[asked all respondents, n=13]



Note: 'Don't know' (0) not shown.

Investment Trade-Off Preamble

Large Use (2MW+)

"Alectra Utilities is now starting to create its first overall investment plan as a merged utility. The OEB divides electricity distributor investments into four categories. One category called system access includes investments that are mandatory under the distributor's licence to operate. These include reasonable costs to connect new customers and moving existing infrastructure to accommodate civic improvements.

The spending in the other three categories involves finding the right balance between the impact on your bill and the service you receive. We would now like ask a few questions about your preferences when it comes to finding the right balance between costs and other outcomes.

I want to start by asking you about system renewal, that is the projects that replace aging electrical infrastructure."

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Investments in Aging Infrastructure

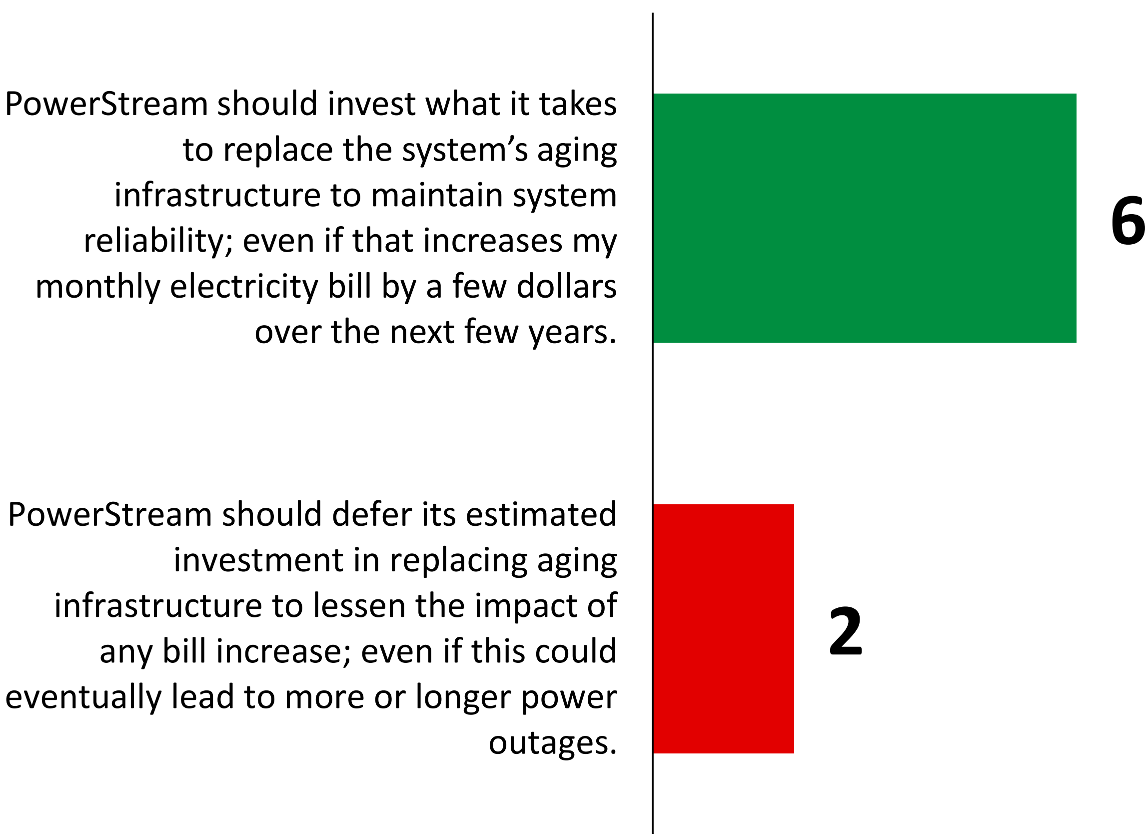
Large Use (2MW+)

Q While PowerStream works hard to prolong the life of the assets that make up its distribution system, eventually these assets reach the end of their useful life and require replacement.

Currently the average customer experiences **1.1 outages a year for an average of 57 minutes**. When adjusted to remove outages due to loss of supply from the transmission system and major storms, **42%** of unscheduled outages are as a result of equipment failure in the PowerStream rate zone.

However, it is not possible to predict exactly when a specific piece of aging equipment will fail. PowerStream must decide the pace at which it replaces this aging equipment.

Which of the following statements best represents your point of view?
[asked all respondents, n=13]



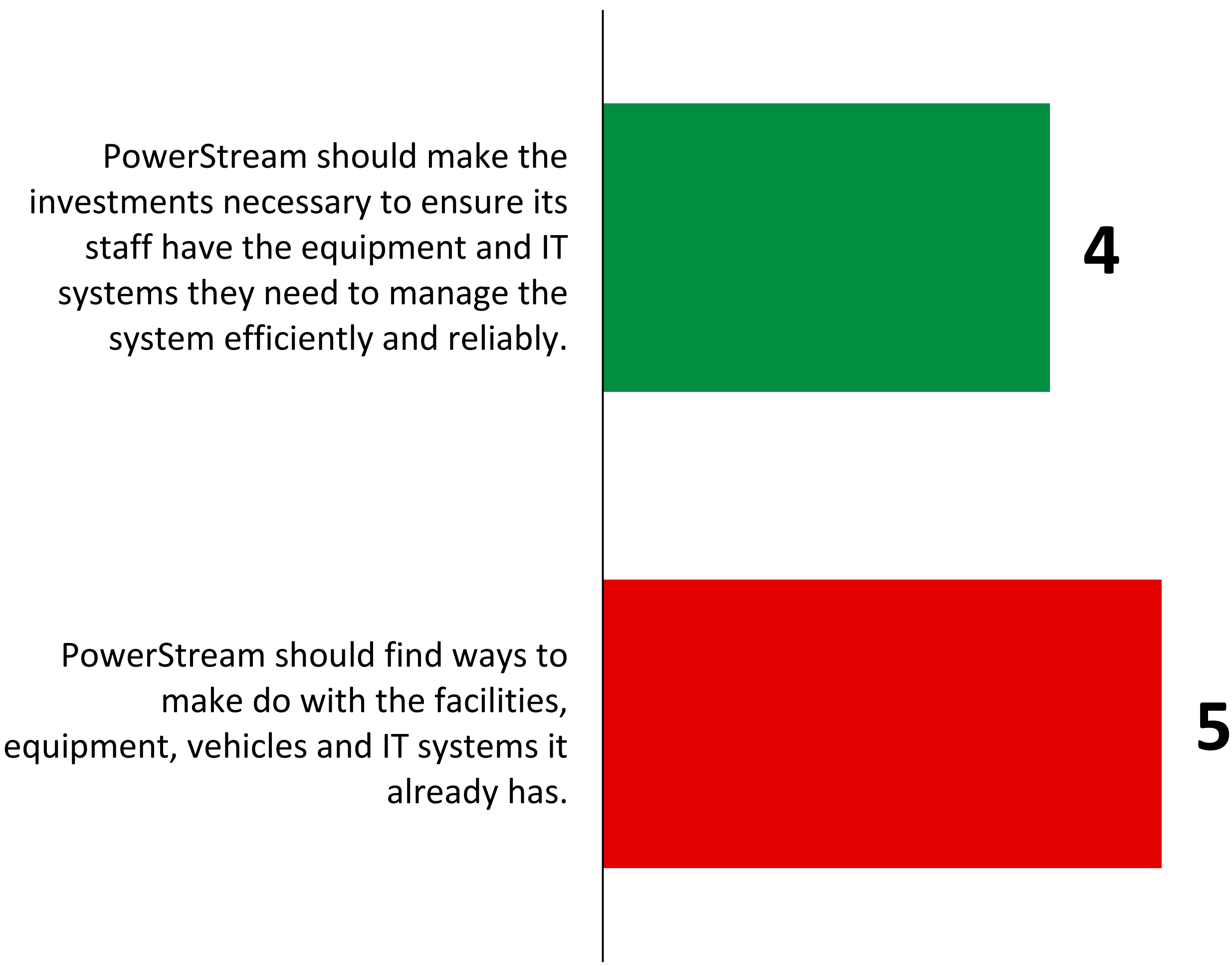
Note: 'Don't know' (n=5) not shown.

General Plant Investments

Large Use (2MW+)

Q As a company, PowerStream needs facilities to house staff and equipment, vehicles and tools to service electrical infrastructure, and IT systems to manage the distribution system and customer information..

Which of the following statements best represents your point of view?
[asked all respondents, n=13]



Note: 'Don't know' (n=4) not shown.

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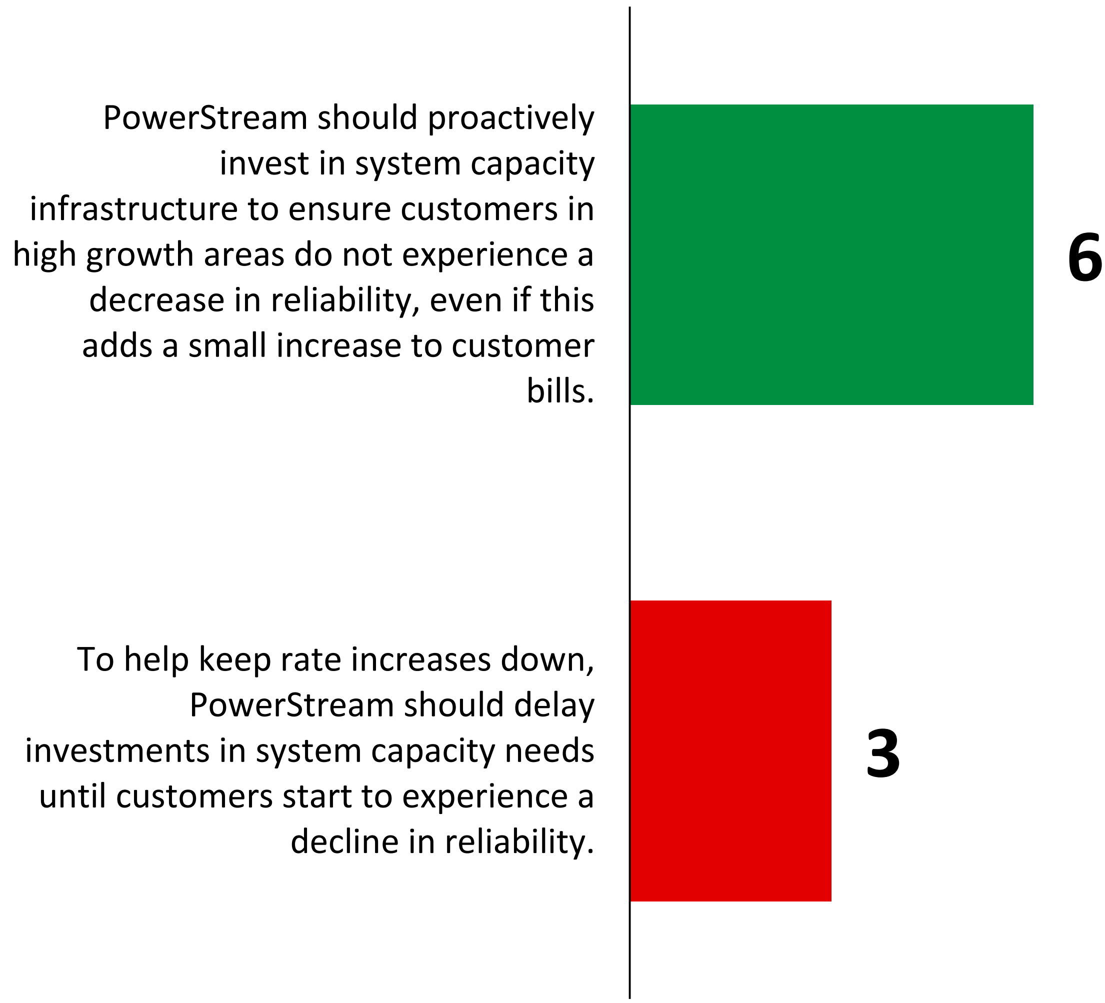
System Service Investments

Large Use (2MW+)

Q With growth in various parts of the PowerStream service area comes greater demand for electricity. This increased demand for electricity puts increased pressure on the existing electrical infrastructure. Eventually, further infrastructure investments will be required to support increased demand for electricity.

With this in mind, which of the following statements best represents your point of view?
[asked all respondents, n=13]



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Note: 'Don't know' (n=4) not shown.

Modernizing the Distribution System

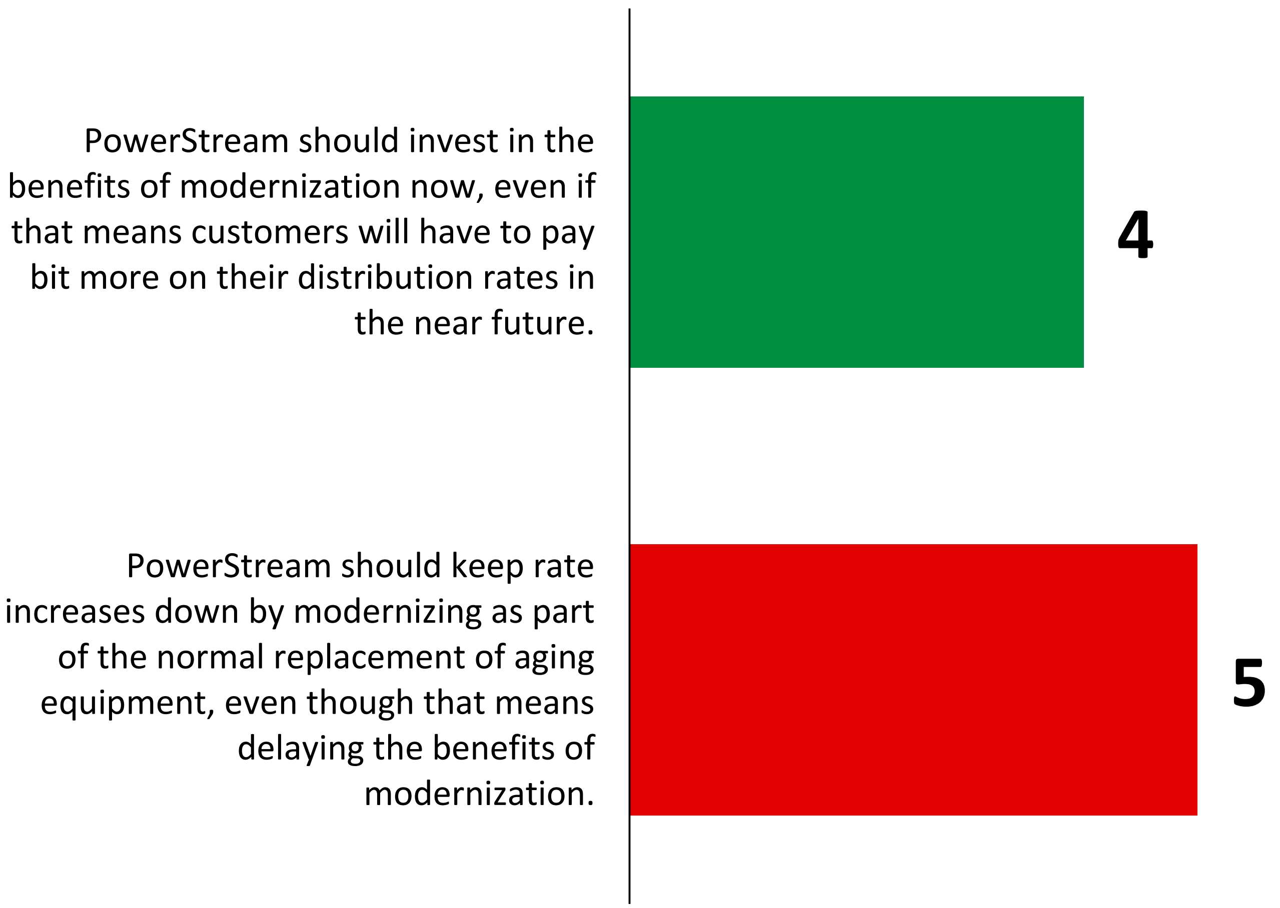
Large Use (2MW+)

Q There are new technologies that PowerStream can implement such as microgrids, electricity storage, and automatic switches that can give customers more choices, improve reliability or reduce the impact on the environment.

These investments would create a better grid, but are not required to maintain the reliability that you experience today.

Which of the following statements best represent your point of view?

[asked all respondents, n=13]



Note: 'Don't know' (n=4) not shown.

Familiarity with OEB “Cost Saving” Requirements

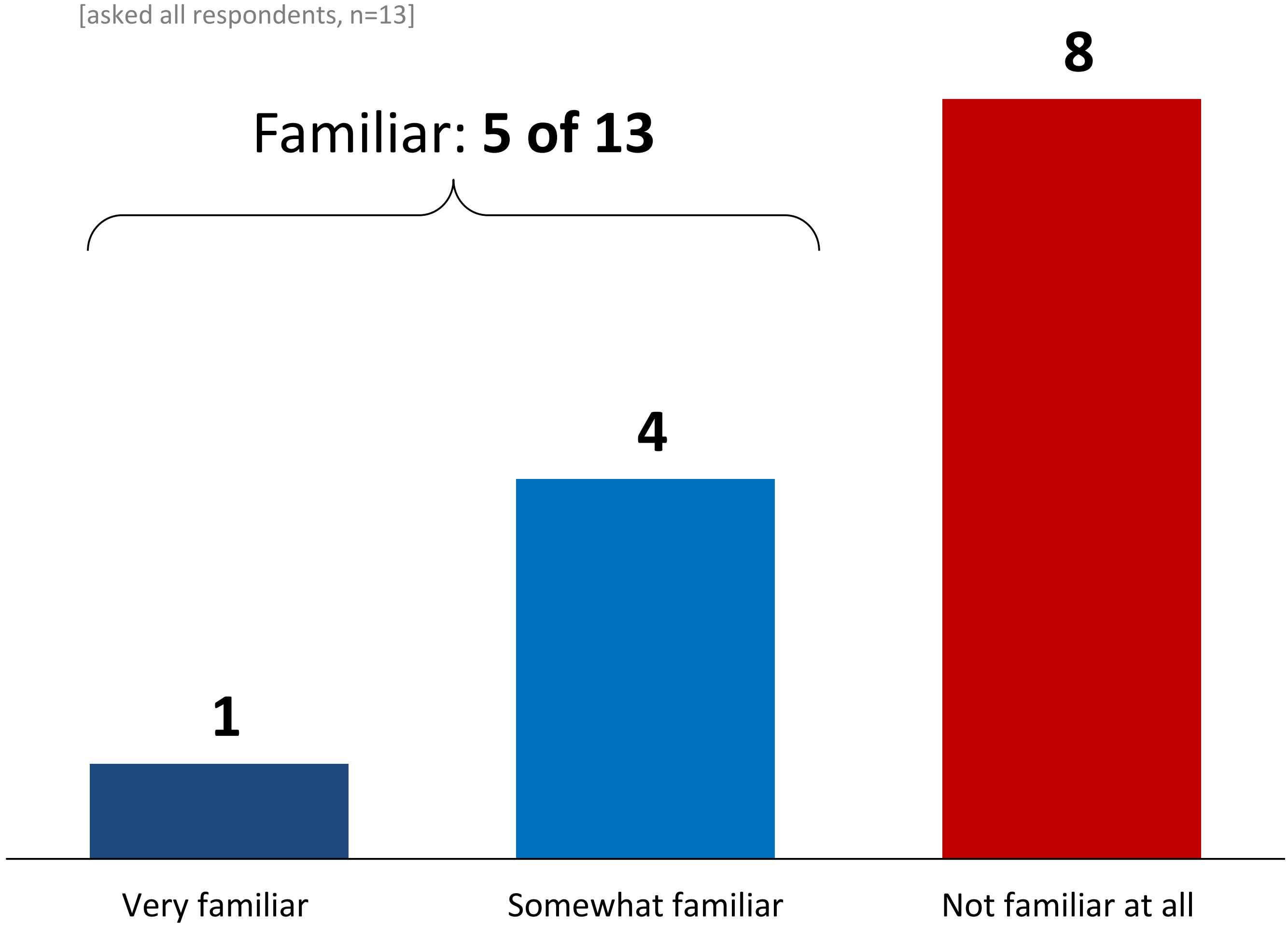
Large Use (2MW+)

Q As we mentioned earlier, the rates you pay to PowerStream are set by the OEB through a public process. PowerStream’s current rates were approved in a 2017 application and will be in place until 2027.

Each year PowerStream is permitted to increase rates to reflect inflation minus savings targets established by the OEB which requires PowerStream to keep cost increases below inflation.

Before this survey, how familiar were you with the OEB requirement for PowerStream to find savings every year?

[asked all respondents, n=13]



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Note: ‘Don’t know’ (0) not shown.

ICM Rate Impact Preamble

Large Use (2MW+)

"Now let's turn to our final topic – possible new projects. As part of the OEB policies, there is an option for PowerStream to apply for additional rate increases for discrete projects that are prudent, needed and not supported by existing rates. Looking ahead to 2019, PowerStream has identified three projects that need more investment than the existing budget allows.

One project involves relocating six major feeder lines and the accompanying metering equipment to accommodate the rebuild of a major Transmission substation. PowerStream is using the lowest cost option to complete this project.

The second project involves relocating poles and wires as part of the York Region Rapid Transit VIVA bus projects. There are no major design choices in this project."

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Bathurst Street Road Widening Preamble

Large Use (2MW+)

"The third project involves relocating both overhead and underground wires and supporting equipment as part of the Bathurst Street road widening from Highway 7 to Teston road.

Powerstream has two options for this project. It can [ROTATE]:

- *move the current mix of overhead and underground wires and equipment at a cost of $5.5 million dollars, OR*
- *replace the overhead system with an underground system for better protection against weather and collisions from vehicles at a cost of between $25 and $35 million dollars."*

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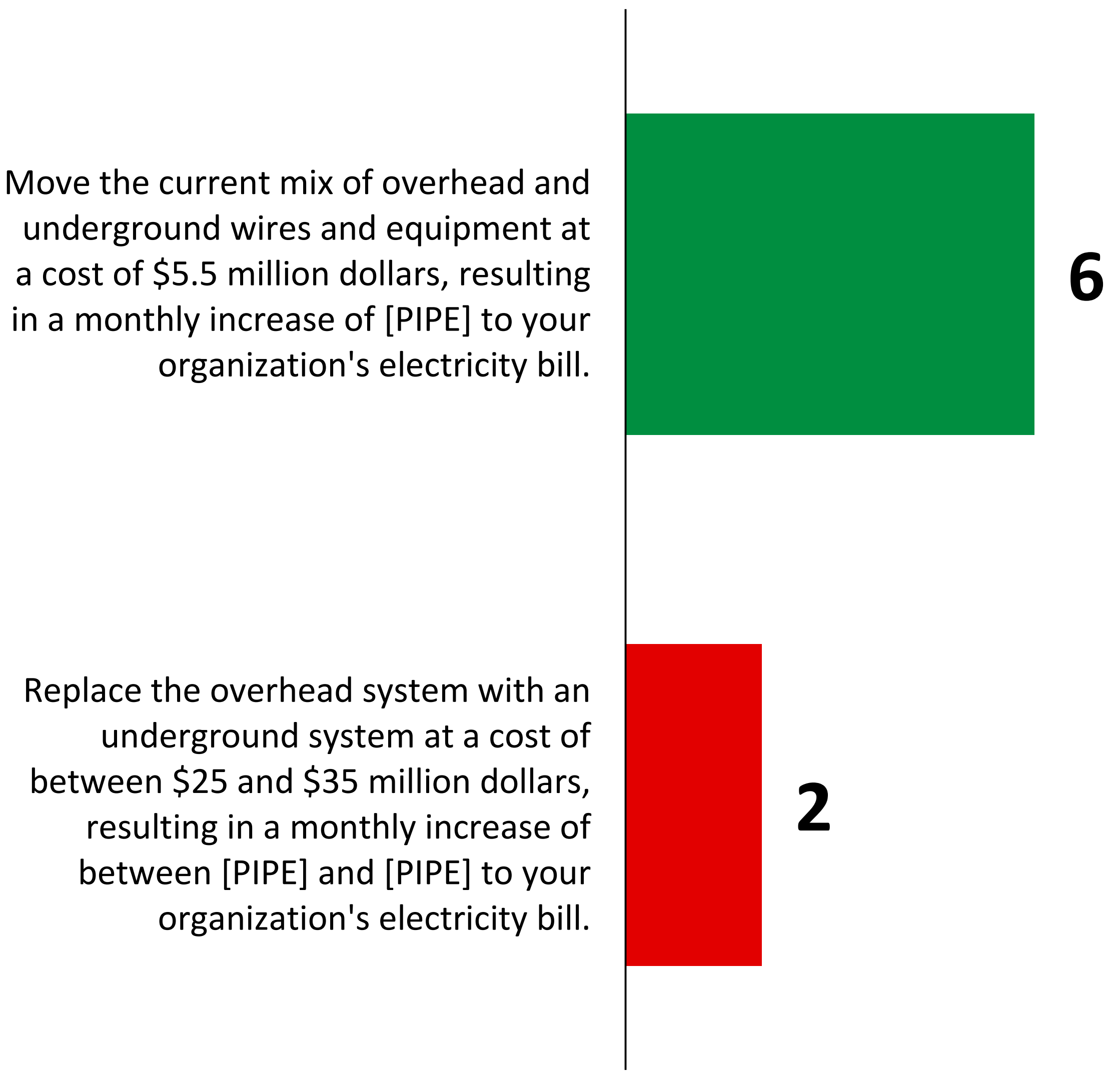
Bathurst Street Road Widening

Large Use (2MW+)

Q Given earlier customer feedback emphasizing the need to keep rate increases down, PowerStream is currently planning on taking the first option - to move the current mix of overhead and underground wires and equipment

Which option do you prefer?

[asked all respondents, n=13]



Note: 'Don't know' (n=5) not shown.

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Opinion of Proposed ICM Rate Impact

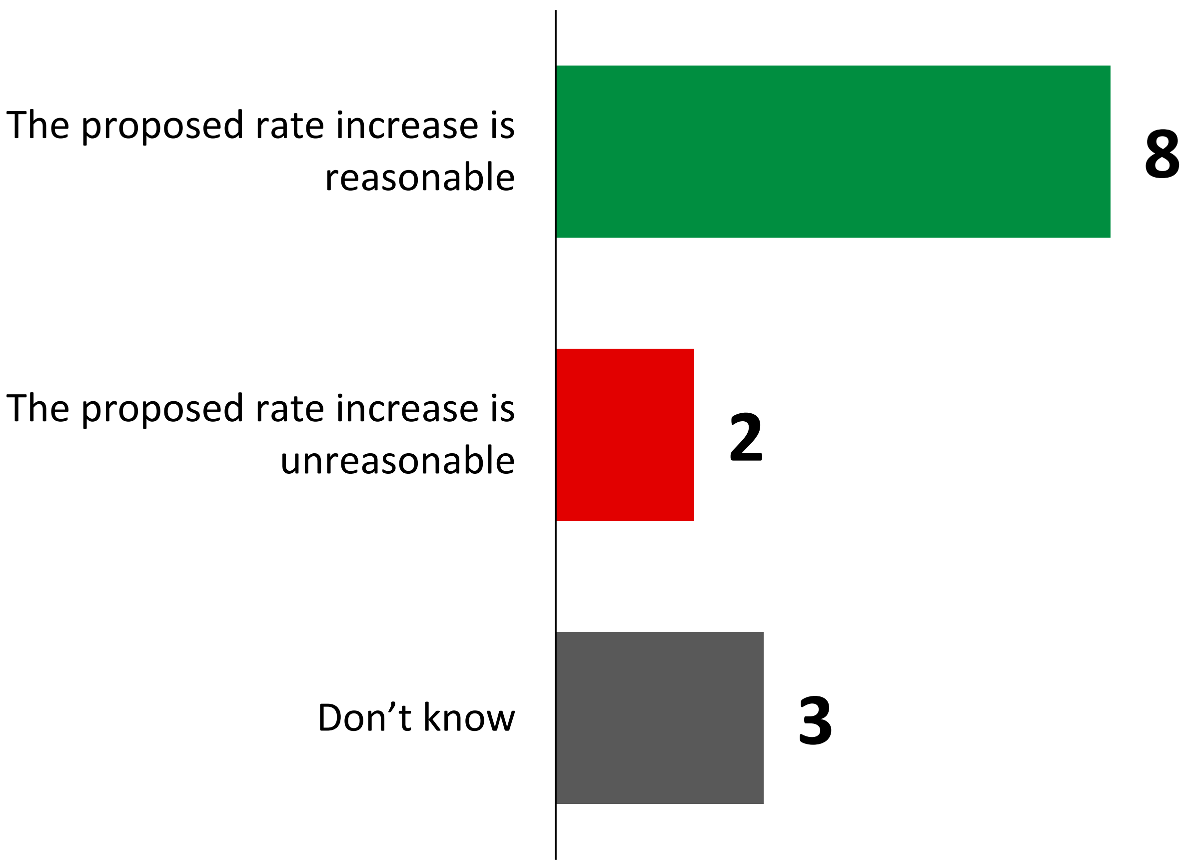
Large Use (2MW+)

Q As I mentioned earlier, each year PowerStream is permitted to increase rates to reflect inflation minus a stretch factor which requires PowerStream to find savings to keep cost increases below inflation.

In order to maintain the existing plan to replace aging infrastructure and complete the mandatory projects previously discussed, PowerStream would need to add a [**PIPE**] charge to the typical mid-sized business customers monthly electricity bill, from 2019 to 2026.

That would result in an annual increase of [**PIPE**] each year over the course of the next eight years – *totalling* [**PIPE**] *over that period.*

What is your opinion on this proposed rate increase in 2019?
[asked all respondents, n=13]



Final Thoughts

Large Use (2MW+)

Q Before this survey concludes, do you have any additional comments or feedback you'd like to share with Alectra Utilities?

Note: all feedback is anonymous and you will not be identified to Alectra Utilities without your expressed permission.

10 of 13 → Nothing/Don't know

Verbatim:

Respondent 1)
PowerStream has been a fantastic resource for energy efficiency ideas.

Respondent 2)
Unfortunately we have many comparable plants in the USA, running on much lower hydro rates. We are, at times, feeling the pinch of our higher rates.

Respondent 3)
When conducting switching operations which affect the redundancy to a site, please ensure the necessary notice - as outlined in the operating agreement - is adhered to. This has not been the case over the last 6 years, with the notice being insufficient.

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RESEARCH GROUP

Building Understanding.

Personalized research to connect you and your audiences.

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Appendix 3.1

Enersource
Residential Ratepayer Survey

2019 ICM Customer Engagement

Date: May 2018

Prepared by:

Innovative Research Group, Inc.
www.innovativeresearch.ca

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Toronto, Ontario | M5E 1A7

Residential Ratepayer Survey

Internal Questionnaire Notes

Method: Telephone, client provided list
Questionnaire Length: TBD
Language: English
Sample Frame: Representative; n=500 residential customers
Calling Times: Weekdays 4-9pm; Saturdays 12noon-9pm; Sundays 12noon-9pm

Sample Variables

1. **Postal Code**
2. **Total Annual Electricity Consumption** *(total consumption between 1-Jan-2017 and 31-Dec-2017)*

The survey will follow a stratified random sampling methodology. This is a method of sampling that involves the division of a population into smaller groups known as strata. In stratified random sampling, the strata are formed based on members' shared attributes or characteristics (in this case, customer service area or electricity usage). A random sample from each stratum is taken in a number proportional to the stratum's size when compared to the customer population. These subsets of the strata are then pooled to form a random sample.

In this survey, customers will be divided into quartiles based on annual electricity usage to ensure the sample has a proportionate mix of customers from low, medium-low, medium-high, and high electricity usage households/low-volume businesses.

The table below illustrates the strata divisions:

Customer Sample Strata Divisions (Quotas):

Customer Type	Total Sample Target	First Quartile	Second Quartile	Third Quartile	Fourth Quartile
Residential	500	125	125	125	125

No regional segmentation.

A. SCREENING AND QUALIFICATIONS

Introduction

Hello, my name is _______________ and I'm calling from **Innovative Research Group** on behalf of **Enersource**, your electricity distributor.

Innovative Research Group is a national public opinion research firm. We have been commissioned by **Enersource** to help them better understand the needs and preferences of customers who are responsible for paying their household's electricity bill.

Enersource– which distributes electricity to homes and businesses in your community – is preparing to submit its investment plan to the Ontario Energy Board for regulatory review. Since this plan will impact your bill, **Enersource** wants to hear from you, so your views can help shape its plan.

A1. Would you mind if I had **10 minutes** of your time to ask you some questions? All your responses will be kept strictly confidential.

1	Yes	**[continue]**
2	No – NOT PRIMARY BILL PAYER	**[go to TRANSFER-1]**
3	No – BAD TIME	**ARRANGE CALLBACK**
4	No – HARD REFUSAL	**[Terminate]**

MONIT
This call may be monitored or audio recorded for quality control and evaluation purposes.

1	PRESS TO CONTINUE

A2. Have I reached you at your home phone number?

1	Yes – SPEAKING, CONTINUE	[**continue to A3**]
2	No – AT OFFICE or WORKPLACE	[**continue to A3**]
3	No – on cellular or mobile phone	[skip to CELL]
99	Refused – LOG (THANK AND TERMINATE)	**[Terminate]**

CELL. Are you currently operating a car, truck or other motor vehicle?

1	YES	ARRANGE CALLBACK
2	NO	[continue to A3]
98	Refused – LOG (THANK AND TERMINATE)	**[Terminate]**

A3. Are you the person primarily responsible for paying the electricity bill in your household?

1	Yes – I pay the bill	[continue to A4]
2	Yes – shared responsibility	[continue to A4]
3	No	[go to TRANSFER-1]
98	Don't know (DO NOT READ)	**[Terminate]**

TRANSFER-1

Can I speak with the person in your household who usually pays the electricity bill?

1	Yes	[**BACK TO *INTRO***]
2	No – NOT AVAILABLE/BAD TIME	[ARRANGE CALLBACK]
3	No – HARD REFUSAL	[**Terminate**]
98	Don't know (DO NOT READ)	[**Terminate**]

A4. And can you confirm that your household receives an electricity bill from **Enersource**?

1	Yes	[**continue**]
2	No	[**Terminate**]
98	Don't know (DO NOT READ)	[**Terminate**]

GENDER **Note gender by observation:**

1	Male
2	Female

B. GENERAL SATISFACTION

B5. You may have recently heard that **Enersource** has merged with neighbouring electricity distributors to form a new company called **Alectra Utilities.**

Had you heard of the **Alectra Utilities** merger before this survey?

01	Yes
02	No
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

B6. Regardless of whether you've heard of the recent merger or not, today I'm going to use the old name "Enersource".

So, throughout this survey, references to "**Enersource**" simply refers to the distribution system in Mississauga, formerly served by **Enersource**, now being served by **Alectra Utilities.**

Today we'd like to talk to you about four things. First, we will talk about your experience with Enersource. Second, we will talk about the outcomes that matter most to you. Third, we will talk about some trade-offs in planning future investments. And finally, we will talk about some projects that Enersource could undertake in the next year.

B7. First, let's talk about your experience. As you may know, **Enersource** operates and maintains the local electricity distribution system in Mississauga. This is the system that takes the electricity from provincial transmission lines and brings it to your home through a network of wires, poles and other equipment that is owned and operated by **Enersource.**

How familiar are you with **Enersource**? Would you say you are *very familiar*, *somewhat familiar*, or *not familiar at all*?

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

B8. In general, how satisfied or dissatisfied are you with the services you receive from **Enersource**? Would you say you are *very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied*?

01	Very satisfied
02	Somewhat satisfied
03	Neither satisfied or dissatisfied
04	Somewhat dissatisfied
05	Very dissatisfied
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

B9. Is there anything in particular **Enersource** can do to improve its service to you? [**OPEN**]

98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

B10. I'd now like to talk with you about your electricity bill …

While **Enersource** is responsible for collecting payment for the entire electricity bill, they retain about **23%** of the typical residential customer's bill. This is about **$25.02** on an average **$108.48** monthly residential electricity bill. The rest of the bill goes to power generation companies, transmission companies, the provincial government and regulatory agencies.

Before this survey, how familiar were you with the percentage of your electricity bill that is retained by **Enersource**? Would you say… [**READ LIST**]

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know
99	Refused (DO NOT READ)

C. CUSTOMER PRIORITIES

C11. READ PREAMBLE

Now lets talk about our second topic – outcomes. **Enersource** regularly holds discussions with its customers to better understand how it should set spending priorities with the money customers pay for service.

In recent conversations with customers, a number of company goals were identified as key priorities for **Enersource**.

C12. Among the following **Enersource** priorities, please tell me which one is most important to you.

[READ OPTIONS; RANDOMIZE LIST]

01	Delivering reasonable electricity distribution prices.
02	Ensuring reliable electrical service.
03	Providing new electricity services (for example: electricity storage and distributed generation such as solar panel installation).
04	Helping customers reduce and better manage their electricity consumption.
05	Minimizing impact on the environment.
06	Ensuring the safety of electricity infrastructure
07	Providing quality customer service
98	Don't Know [DO NOT READ]

C13. What is the next most important priority you think Enersource should focus on? [**If C12=98 Skip to C15**]

[**Remove answer from C11 if asked to read again**]

C14. And what do you consider the third most important priority? [**If C13=98 Skip to C15**]

[**Remove answer from C11 and C12 if asked to read again**]

C15. Are there any other important priorities that **Enersource** should be focusing on that weren't included in the previous list I read to you? [**OPEN**]

98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

D. SYSTEM RELIABILITY

D16. We would like to understand your experience with reliability.

There are different outcomes when customers talk about power reliability.

Among the following reliability outcomes, please tell me which one is most important to you.

01	Reducing the overall number of outages
02	Reducing the overall length of outages
03	Reducing the number of outages during extreme weather events
04	Reducing the length of time to restore power during extreme weather events
05	Improving the quality of power, as judged by momentary interruptions in power that can result in the flickering or dimming of lights
98	Don't Know [DO NOT READ]

D17. What is the next most important reliability outcome for you? [**If D16=98 Skip to E19**]

[**Remove answer from D16 if asked to read again**]

D18. And what do you consider the third most important reliability outcome? [**If D17=98 Skip to E19**]

[**Remove answer from D16 and D17 if asked to read again**]

E. Investment Trade-Offs

How are electricity distribution rates set in Ontario?

E19. *Now, lets turn to our third topic, investment trade-offs.*

The electricity industry in Ontario is regulated by the Ontario Energy Board, otherwise known as the O-E-B. The OEB sets electricity rates in Ontario.

The OEB requires electricity distributors, such as Alectra Utilities, to develop its business plan and distribution system plan, as well as make spending and investment decisions based on customer feedback.

Electricity distributors are funded by the distribution rates paid by their customers. Periodically, distributors are required to file rate applications with the OEB to justify the amount of funding they need to safely and reliably distribute electricity to their customers.

Before this survey, how familiar were you with how electricity distrubtion rates are set in Ontario?

Would you say you are … [**READ LIST**]

01	Very familiar and could explain the process to others in details
02	Somewhat familiar, but didn't know how much about the process
03	Not familiar at all with the process of how electricity distrubtion rates are set
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

ICM intro PREAMBLE

E20. Alectra Utilities is now starting to create it's first overall investment plan as a merged utility. The OEB divides electricity distributor investments into four categories. One category called system access includes investments that are mandatory under the distributor's licence to operate. These include reasonable costs to connect new customers and moving existing infrastructure to accommodate civic improvements.

The spending in the other three categories involves finding the right balance between the impact on your bill and the service you receive. We would now like ask a few questions about your preferences when it comes to finding the right balance between costs and other outcomes.

I want to start by asking you about system renewal, that is the projects that replace aging electrical infrastructure

E21. [PREAMBLE]While **Enersource** works hard to prolong the life of the assets that make up **Mississauga's** distribution system, eventually these assets reach the end of their useful life and require replacement. Currently the average customer experiences 1.08 outages a year for an average of **35 minutes and 40 seconds**. When adjusted to remove outages due to loss of supply from the transmission system and major storms, 56% of unscheduled outages are as a result of equipment failure in the Enersource rate zone. However, it is not possible to predict exactly when a specific piece of aging equipment will fail. Enersource must decide the pace at which it replaces this aging equipment.

E22. Which of the following statements best represents your point of view?
[Read and Rotate statements 1 and 2]

01	**Enersource** should invest what it takes to replace the system's aging infrastructure to maintain system reliability; even if that increases my monthly electricity bill by a few dollars over the next few years.
02	**Enersource** should defer its estimated investment in replacing aging infrastructure to lessen the impact of any bill increase; even if this could eventually lead to more or longer power outages.
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

General Plant

E23. As a company, **Enersource** needs facilities to house staff and equipment, vehicles and tools to service electrical infrastructure, and IT systems to manage the distribution system and customer information..

Which of the following statements best represents your point of view?
[Read and Rotate statements 1 and 2]

01	**Enersource** should find ways to make do with the facilities, equipment, vehicles and IT systems it already has.
02	**Enersource** should make the investments necessary to ensure its staff have the equipment and IT systems they need to manage the system efficiently and reliably.
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

System Service Questions

E24. With growth in various parts of Mississauga comes greater demand for electricity. This increased demand for electricity puts increased pressure on the existing electrical infrastructure. Eventually, further infrastructure investments will be required to support increased demand for electricity.

With this in mind, which of the following statements best represents your point of view?

[Read and Rotate statements 1 and 2]

01	To help keep rate increases down, Enersource should delay investments in system capacity needs until customers start to experience a decline in reliability.
02	Enersource should proactively invest in system capacity infrastructure to ensure customers in high growth areas do not experience a decrease in reliability, even if this adds a small increase to customer bills.
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

Modernizing the Distribution System.

E25. **[PREAMBLE]** There are new technologies that **Enersource** can implement such as microgrids, electricity storage, and automatic switches that can give customers more choices, improve reliaiblity or reduce the impact on the environment.

These investments would create a better grid, but are not required to maintain the reliability that you experience today.

Which of the following statements best represent your point of view?
[**READ LIST; rotate 01 and 02**]

01	Enersource should invest in the benefits of modernization now, even if that means customers will have to pay bit more on their distribution rates in the near future.
02	Enersource should keep rate increases down by modernizing as part of the normal replacement of aging equipment, even though that means delaying the benefits of modernization.
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

E26. As we mentioned earlier, the rates you pay to Enersource are set by the OEB through a public process. Enersource's current rates were approved in a 2013 application and will be in place until 2027. Each year Enersource is permitted to increase rates to reflect inflation minus savings targets established by the OEB which requires Enersource to keep cost increases below inflation.

Before this survey, how familiar were you with the OEB requirement for Enersource to find savings every year?

Would you say you are ... [**READ LIST**]

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

ICM rate impact

E27. Now let's turn to our final topic – possible new projects. As part of the OEB policies, there is an option for Enersource to apply for additional rate increases for discrete projects that are prudent, needed and not supported by existing rates. Looking ahead to 2019, Enersource has identified two system renewal projects that need more investment than the existing budget allows. System renewal projects are a mix of replacing aging infrastructure and emergency repairs.

Would you like me to repeat the description of system renewal projects, or may I move on?

[**IF ASKED TO REPEAT**; *"System renewal projects are a mix of replacing aging infrastructure and emergency repairs."]*

01	Repeat	
02	Continue	
98	Don't know (DO NOT READ)	
99	Refused (DO NOT READ)	

Leaky Transformers

E28. One of these projects deals with leaky transformers. Enersource has 25,000 tranformers which are used to reduce the voltage of electricity as it moves from major transmission lines to the lines going into homes and businesses. Earlier this decade, Enersource identified a backlog of almost 4,000 transformers that show signs of leaking. By the end of this year, over 3,000 of these transformers will have been replaced. However, that will still leave over 600 needing replacement.

E29. Which of the following is closest to your point of view regarding Ensource's proposed transformer replacement program? [**READ LIST ; ROTATE 01 and 02**]

01	Enersource should replace leaky transformers as part of its existing renewal plan, even the backlog, even if that means it will take several years before they are all replaced.
02	I am willing to have my bill increased by about 12 cents a month so Enersource can make an extra effort to clean up the backlog of leaky transformers.
98	Don't know (DO NOT READ)

Rometown Overhead

E30. Another proposed project addresses the Rometown area Overhead system. There are 198 poles in this particular system. 68 out of 198 have been flagged as *poor* while another 56 are seen to be in *fair condition*. A total of 78 have been flagged for urgent replacement. This network of poles uses older technologies that will be replaced when the system is eventually rebuilt, but any repairs done today will have to use the older technology. It is more efficient to replace all the poles at once than to replace them one at a time but it costs less in the short run only to replace the poles most in need of repair.

E31. Which of the following is closest to your point of view regarding Ensource's proposed Rometown Overhead system rebuild program? [**READ LIST**]

01	Enersource should continue to operate the Rometown overhead system, and replace equipment reactively as it fails
02	Enersource should proceed now to replace 78 of the 198 poles in the most pressing need resulting in a monthly increase of **3 cents** for the average residential customer
03	Enersource should proceed now to replace all 198 poles at a cost of 3.2 million dollars, resulting in a monthly increase of **5 cents** for the average residential customer
04	Enersource should proceed now to replace the Rometown overhead system with an underground system at a cost of between $12 and 18 million dollars, resulting in a monthly increase of between **19 cents** and **28 cents** for the average residential customer
98	Don't know

E32. As I mentioned earlier, each year Enersource is permitted to increase rates to reflect inflation minus a stretch factor which requires Enersource to find savings to keep cost increases below inflation. In order to reduce the backlog of leaking transformers and to replace the most high risk poles in the Rometown overhead system, Enersource would need to add a **15 cent charge** to the typical residential customers monthly electricity bill, from 2019 to 2026.

E33. That would result in an annual increase of **$1.76 each year** over the course of the next eight years – *totalling $14.11 over that period*.

What is your opinion on this proposed rate increase in 2019? Would you say … [**READ LIST; ROTATE 1 and 2**]

01	The proposed rate increase is reasonable	
02	The proposed rate increase is unreasonable	
98	Don't know (DO NOT READ)	
99	Refused (DO NOT READ)	

F. SEGMENTATION & DEMOGRAPHICS

Lastly, I'd like to ask you some general questions about the electricity system in Ontario.
For each statement please tell me if you would strongly agree, somewhat agree, somewhat disagree or strongly disagree. If you don't know enough to say or don't have an opinion just let me know.

01	Strongly agree
02	Somewhat agree
03	Somewhat disagree
04	Strongly disagree
98	Don't know/ No opinion (DO NOT READ)
99	Refused (DO NOT READ)

[ROTATE]

F34. The cost of my electricity bill has a major impact on my finances and requires I do without some other important priorities.

F35. Customers are well served by the electricity system in Ontario.

[END BATTERY]

These last few questions are for statistical purposes only and I remind you again that all of your responses are completely confidential.

F36. Which of the following age group do you fall into? **READ LIST**

97	Younger than 18
01	18 to 24
02	25 to 34
03	35 to 44
04	45 to 54
05	55 to 64
06	65 or older
99	Refused (DO NOT READ)

F37. Counting yourself, how many people live in your household? [**DO NOT READ LIST**]

01	1 person
02	2 people
03	3 people
04	4 people
05	5 people
06	6 people
07	7 people
08	8 or more people
99	Refused (DO NOT READ)

F38. To the best of your ability, please tell me which of the following categories best describes your household's AFTER TAX income. **READ LIST**

01	Less than $28,000
02	Just over $28,000 to $39,000
03	Just over $39,000 to $48,000
04	Just over $48,000 to $52,000
05	More than $52,000
98	Not sure (DO NOT READ)
99	Refused (DO NOT READ)

THANK and END SURVEY

Thank you very much for taking the time to complete this survey.

Appendix 3.2

Enersource
Small Business Ratepayer Survey

2019 ICM Customer Engagement

Date: May 2018

Prepared by:

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www.innovativeresearch.ca

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Small Business Ratepayer Survey

Internal Questionnaire Notes

Method: Telephone, client provided list
Questionnaire Length: 10 minutes
Language: English
Sample Frame: Representative; n=200 small business (GS < 50 kW) customers
Calling Times: Weekdays 9am-5pm

Sample Variables

1. **Postal Code**
2. **Total Annual Electricity Consumption** *(total consumption between 1-Jan-2016 and 31-Dec-2016)*

The survey will follow a stratified random sampling methodology. This is a method of sampling that involves the division of a population into smaller groups known as strata. In stratified random sampling, the strata are formed based on members' shared attributes or characteristics (in this case, customer service area or electricity usage). A random sample from each stratum is taken in a number proportional to the stratum's size when compared to the customer population. These subsets of the strata are then pooled to form a random sample.

In this survey, customers will be divided into quartiles based on annual electricity usage to ensure the sample has a proportionate mix of customers from low, medium-low, medium-high, and high electricity usage households/low-volume businesses.

The table below illustrates the strata divisions:

Customer Sample Strata Divisions (Quotas):

Customer Type	Total Sample Target	First Quartile	Second Quartile	Third Quartile	Fourth Quartile
GS<50 kW	200	50	50	50	50

No regional segmentation.

A. SCREENING AND QUALIFICATIONS

Introduction

Hello, may I please speak to the person who is in charge of managing the electricity bill at your organization?

Yes <**speaking**>		**[go to INTRO]**
Yes <**transferred to contact**>		**[go to INTRO]**
No <**not available**>	"When is a good time to callback?	**[record callback time]**
No <**not interested in talking**>		**[THANK & TERMINATE]**

INTRO.

A1. Hello, my name is ______________ and I'm calling from Innovative Research Group on behalf of **Enersource**, your electricity distributor.

Innovative Research Group is a national public opinion research firm. **We need your input on choices that will affect the service you receive from Enersource and the price you pay for that service.** Your answers will be combined with others to protect your privacy.

The survey should take about 10 minutes.

Can I please speak to the person who is in-charge of managing the electricity bill at your organization?

1) Yes, speaking <**contact on the line**>	**[skip to A2]**
2) Yes <**transferred to contact**>	**[skip to A2]**
3) No <**not the right contact person**>	**[GO to "NEW"]**
4) No <**busy**> "When is a good time to callback?"	**[record callback time]**
5) Maybe <**may I ask who is calling?**>	**[skip to GATE]**

NEW. And … can I have their …

First Name ___________
Last Name ___________
Title/Position _________
Phone Number _________

ASK to be transferred …

- **if transferred → go to A2**
- **if not transferred → Thank & Add to Callback List**

GATE. Hello, my name is ______________ and I'm calling on behalf of Enersource, your local electricity utility.

INTERVIEWER NOTE: If gatekeeper asks the purpose of call → I'd like to ask the person in-charge of managing the electricity bill at your organization a few questions concerning a **Enersource** customer consultation.

1) Yes <**transferred to contact**>		**[skip to A2]**
2) No <**not available**>	"*When is a good time to callback*?	**[record call-back time and go to "NEW"]**
3) No <**not interested in talking**>		**[Thank & Terminate]**

A1 QUAL PREAMBLE:

Read preamable again, if transferred to new person:

Hello, my name is _______________ and I'm calling on behalf of Enersource, your local electricity utility.

Innovative Research is a national public opinion research firm**.** We have been hired by **Enersource** to help them better understand the needs and preferences of non-residential customers who are responsible for paying their organization's electricity bill.

A2. Can I have roughly **10 minutes** of your time to ask you some questions? All your responses will be kept strictly confidential.

Yes – I don't mind	1	[CONTINUE]
No – Not primary bill payer (i.e. not best person to speak to)	2	[go to TRANSFER]
No – BAD TIME	3	[ARRANGE CALLBACK]
No – HARD REFUSAL	4	[THANK & TERMINATE]

MONIT [INTERNAL]
This call may be monitored or audio taped for quality control and evaluation purposes.

PRESS TO CONTINUE	1

A3. Can you confirm that your organization receives an electricity or hydro bill from **Enersource or Alectra Utilities**?

YES	1	[CONTINUE]
NO	2	[THANK & TERMINATE]
DK (volunteered)	98	[THANK & TERMINATE]

Only those in charge of managing/overseeing organizations electricity bill will be interviewed.

A4. As part of your job, are you in charge of managing or overseeing your organization's electricity or hydro bill?

YES	1		[CONTINUE]
NO	2	"Can I speak to the person who manages your organization's electricity bill?"	[Return to **NEW**]
DK	3	"Can I speak to the person who manages your organization's electricity bill?"	[Return to **NEW**]

TRANSFER

Can I please speak to the person who is in-charge of managing the electricity bill at your organization?

Yes	1	[BACK TO *INTRO*]
No – NOT AVAILABLE/BAD TIME – (ARRANGE CALLBACK)	2	[ARRANGE CALLBACK]
No – HARD REFUSAL	3	[THANK & TERMINATE]
Don't know (**DNR**)	98	[THANK & TERMINATE]

B. GENERAL SATISFACTION

B5. You may have recently heard that **Enersource** has merged with neighbouring electricity distributors to form a new company called **Alectra Utilities.**

Had you heard of the **Alectra Utilities** merger before this survey?

01	Yes
02	No
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

B6. Regardless of whether you've heard of the recent merger or not, today I'm going to use the old name **"Enersource"**.

So, throughout this survey, references to "**Enersource**" simply refers to the distribution system in Mississauga, formerly served by **Enersource**, now being served by **Alectra Utilities.**

Today we'd like to talk to you about four things. First, we will talk about your experience with Enersource. Second, we will talk about the outcomes that matter most to you. Third, we will talk about some trade-offs in planning future investments. And finally, we will talk about some projects that Enersource could undertake in the next year.

B7. First, let's talk about your experience. As you may know, **Enersource** operates and maintains the local electricity distribution system in Mississauga. This is the system that takes the electricity from provincial transmission lines and brings it to your business through a network of wires, poles and other equipment that is owned and operated by **Enersource.**

How familiar are you with **Enersource**? Would you say you are *very familiar*, *somewhat familiar*, or *not familiar at all*?

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

B8. In general, how satisfied or dissatisfied are you with the services your organization receives from **Enersource**? Would you say you are *very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied*?

01	Very satisfied
02	Somewhat satisfied
03	Neither satisfied or dissatisfied
04	Somewhat dissatisfied
05	Very dissatisfied
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

B9. Is there anything in particular **Enersource** can do to improve its service to your organization? [**OPEN**]

98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

B10. I'd now like to talk with you about your electricity bill …

While **Enersource** is responsible for collecting payment for the entire electricity bill, they retain about **24%** of the typical small business customer's bill. This is about **$73.33** on an average **$306.98** monthly small business electricity bill. The rest of the bill goes to power generation companies, transmission companies, the provincial government and regulatory agencies.

Before this survey, how familiar were you with the percentage of your organization's electricity bill that is retained by **Enersource**? Would you say… [**READ LIST**]

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

C. CUSTOMER PRIORITIES

C11. READ PREAMBLE

Now lets talk about our second topic – outcomes. **Enersource** regularly holds discussions with its customers to better understand how it should set spending priorities with the money customers pay for service.

In recent conversations with customers, a number of company goals were identified as key priorities for **Enersource**.

C12. Among the following **Enersource** priorities, please tell me which one is most important to you.

[READ OPTIONS; RANDOMIZE LIST]

01	Delivering reasonable electricity distribution prices.
02	Ensuring reliable electrical service.
03	Providing new electricity services (for example: electricity storage and distributed generation such as solar panel installation).
04	Helping customers reduce and better manage their electricity consumption.
05	Minimizing impact on the environment.
06	Ensuring the safety of electricity infrastructure
07	Providing quality customer service
98	Don't Know [DO NOT READ]

C13. What is the next most important priority you think Enersource should focus on? **If C12=98 Skip to C15**

[**Remove answer from C11 if asked to read again**]

C14. And what do you consider the third most important priority? **If C13=98 Skip to C15**

[**Remove answer from C11 and C12 if asked to read again**]

C15. Are there any other important priorities that **Enersource** should be focusing on that weren't included in the previous list I read to you? [**OPEN**]

98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

D. SYSTEM RELIABILITY

D16. We would like to understand your experience with reliability.

There are different outcomes when customers talk about power reliability.

Among the following reliability outcomes, please tell me which one is most important to you.

01	Reducing the overall number of outages
02	Reducing the overall length of outages
03	Reducing the number of outages during extreme weather events
04	Reducing the length of time to restore power during extreme weather events
05	Improving the quality of power, as judged by momentary interruptions in power that can result in the flickering or dimming of lights
98	Don't Know [DO NOT READ]

D17. What is the next most important reliability outcome for you? **If D16=98 Skip to E19**

[**Remove answer from D16 if asked to read again**]

D18. And what do you consider the third most important reliability outcome? **If D17=98 Skip to E19**

[**Remove answer from D16 and D17 if asked to read again**]

E. INVESTMENT TRADE-OFFS

How are electricity distribution rates set in Ontario?

E19. *Now, lets turn to our third topic, investment trade-offs.*

The electricity industry in Ontario is regulated by the Ontario Energy Board, otherwise known as the O-E-B. The OEB sets electricity rates in Ontario.

The OEB requires electricity distributors, such as Alectra Utilities, to develop its business plan and distribution system plan, as well as make spending and investment decisions based on customer feedback.

Electricity distributors are funded by the distribution rates paid by their customers. Periodically, distributors are required to file rate applications with the OEB to justify the amount of funding they need to safely and reliably distribute electricity to their customers.

Before this survey, how familiar were you with how electricity distrubtion rates are set in Ontario?

Would you say you are … [**READ LIST**]

01	Very familiar and could explain the process to others in details
02	Somewhat familiar, but didn't know how much about the process
03	Not familiar at all with the process of how electricity distrubtion rates are set
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

ICM intro PREAMBLE

E20. Alectra Utilities is now starting to create it's first overall investment plan as a merged utility. The OEB divides electricity distributor investments into four categories. One category called system access includes investments that are mandatory under the distributor's licence to operate. These include reasonable costs to connect new customers and moving existing infrastructure to accommodate civic improvements.

The spending in the other three categories involves finding the right balance between the impact on your bill and the service you receive. We would now like ask a few questions about your preferences when it comes to finding the right balance between costs and other outcomes.

I want to start by asking you about system renewal, that is the projects that replace aging electrical infrastructure

E21. [**PREAMBLE**]While **Enersource** works hard to prolong the life of the assets that make up **Mississauga's** distribution system, eventually these assets reach the end of their useful life and require replacement. Currently the average customer experiences 1.08 outages a year for an average of **35 minutes and 40 seconds**. When adjusted to remove outages due to loss of supply from the transmission system and major storms, 56% of unscheduled outages are as a result of equipment failure in the Enersource rate zone. However, it is not possible to predict exactly when a specific piece of aging equipment will fail. Enersource must decide the pace at which it replaces this aging equipment.

E22. Which of the following statements best represents your point of view?
[Read and Rotate statements 1 and 2]

01	**Enersource** should invest what it takes to replace the system's aging infrastructure to maintain system reliability; even if that increases my monthly electricity bill by a few dollars over the next few years.
02	**Enersource** should defer its estimated investment in replacing aging infrastructure to lessen the impact of any bill increase; even if this could eventually lead to more or longer power outages.
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

General Plant

E23. As a company, **Enersource** needs facilities to house staff and equipment, vehicles and tools to service electrical infrastructure, and IT systems to manage the distribution system and customer information..

Which of the following statements best represents your point of view?
[Read and Rotate statements 1 and 2]

01	**Enersource** should find ways to make do with the facilities, equipment, vehicles and IT systems it already has.
02	**Enersource** should make the investments necessary to ensure its staff have the equipment and IT systems they need to manage the system efficiently and reliably.
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

System Service Questions

E24. With growth in various parts of Mississauga comes greater demand for electricity. This increased demand for electricity puts increased pressure on the existing electrical infrastructure. Eventually, further infrastructure investments will be required to support increased demand for electricity.

With this in mind, which of the following statements best represents your point of view?

[Read and Rotate statements 1 and 2]

01	To help keep rate increases down, Enersource should delay investments in system capacity needs until customers start to experience a decline in reliability.
02	Enersource should proactively invest in system capacity infrastructure to ensure customers in high growth areas do not experience a decrease in reliability, even if this adds a small increase to customer bills.
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

Modernizing the Distribution System.

E25. **[PREAMBLE]** There are new technologies that **Enersource** can implement such as microgrids, electricity storage, and automatic switches that can give customers more choices, improve reliaiblity or reduce the impact on the environment.

These investments would create a better grid, but are not required to maintain the reliability that you experience today.

Which of the following statements best represent your point of view?
[**READ LIST; rotate 01 and 02**]

01	Enersource should invest in the benefits of modernization now, even if that means customers will have to pay bit more on their distribution rates in the near future.
02	Enersource should keep rate increases down by modernizing as part of the normal replacement of aging equipment, even though that means delaying the benefits of modernization.
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

E26. As we mentioned earlier, the rates you pay to Enersource are set by the OEB through a public process. Enersource's current rates were approved in a 2013 application and will be in place until 2027. Each year Enersource is permitted to increase rates to reflect inflation minus savings targets established by the OEB which requires Enersource to keep cost increases below inflation.

Before this survey, how familiar were you with the OEB requirement for Enersource to find savings every year?

Would you say you are … [**READ LIST**]

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

ICM rate impact

E27. Now let's turn to our final topic – possible new projects. As part of the OEB policies, there is an option for Enersource to apply for additional rate increases for discrete projects that are prudent, needed and not supported by existing rates. Looking ahead to 2019, Enersource has identified two system renewal projects that need more investment than the existing budget allows. System renewal projects are a mix of replacing aging infrastructure and emergency repairs.

Would you like me to repeat the description of system renewal projects, or may I move on?

[**IF ASKED TO REPEAT**; *"System renewal projects are a mix of replacing aging infrastructure and emergency repairs."*]

01	Repeat	
02	Continue	
98	Don't know (DO NOT READ)	
99	Refused (DO NOT READ)	

Leaky Transformers

E28. One of these projects deals with leaky transformers. Enersource has 25,000 tranformers which are used to reduce the voltage of electricity as it moves from major transmission lines to the lines going into homes and businesses. Earlier this decade, Enersource identified a backlog of almost 4,000 transformers that show signs of leaking. By the end of this year, over 3,000 of these transformers will have been replaced. However, that will still leave over 600 needing replacement.

E29. Which of the following is closest to your point of view regarding Ensource's proposed transformer replacement program? [**READ LIST ; ROTATE 01 and 02**]

01	Enersource should replace leaky transformers as part of its existing renewal plan, even the backlog, even if that means it will take several years before they are all replaced.
02	I am willing to have my bill increased by about **39 cents** a month so Enersource can make an extra effort to clean up the backlog of leaky transformers.
98	Don't know (DO NOT READ)

Rometown Overhead

E30. Another proposed project addresses the Rometown area Overhead system. There are 198 poles in this particular system. 68 out of 198 have been flagged as *poor* while another 56 are seen to be in *fair condition*. A total of 78 have been flagged for urgent replacement. This network of poles uses older technologies that will be replaced when the system is eventually rebuilt, but any repairs done today will have to use the older technology. It is more efficient to replace all the poles at once than to replace them one at a time but it costs less in the short run only to replace the poles most in need of repair.

E31. Which of the following is closest to your point of view regarding Ensource's proposed Rometown Overhead system rebuild program? [**READ LIST**]

01	Enersource should continue to operate the Rometown overhead system, and replace equipment reactively as it fails
02	Enersource should proceed now to replace 78 of the 198 poles in the most pressing need resulting in a monthly increase of **9 cents** for the average small business customer
03	Enersource should proceed now to replace all 198 poles at a cost of 3.2 million dollars, resulting in a monthly increase of **16 cents** for the average small business customer
04	Enersource should proceed now to replace the Rometown overhead system with an underground system at a cost of between $12 and 18 million dollars, resulting in a monthly increase of between **61 cents** and **92 cents** for the average small business customer
98	Don't know (DO NOT READ)

E32. As I mentioned earlier, each year Enersource is permitted to increase rates to reflect inflation minus a stretch factor which requires Enersource to find savings to keep cost increases below inflation. In order to reduce the backlog of leaking transformers and to replace the most high risk poles in the Rometown overhead system, Enersource would need to add a **48 cent charge** to the typical small business customers monthly electricity bill, from 2019 to 2026.

E33. That would result in an annual increase of **$5.76 each year** over the course of the next eight years – *totalling $46.08 over that period*.

What is your opinion on this proposed rate increase in 2019? Would you say … [**READ LIST; ROTATE 1 and 2**]

01	The proposed rate increase is reasonable	
02	The proposed rate increase is unreasonable	
98	Don’t know (DO NOT READ)	
99	Refused (DO NOT READ)	

F. SEGMENTATION & DEMOGRAPHICS

Lastly, I'd like to ask you some general questions about the electricity system in Ontario.
For each statement please tell me if you would strongly agree, somewhat agree, somewhat disagree or strongly disagree. If you don't know enough to say or don't have an opinion just let me know.

01	Strongly agree
02	Somewhat agree
03	Somewhat disagree
04	Strongly disagree
98	Don't know/ No opinion (DO NOT READ)
99	Refused (DO NOT READ)

[ROTATE]

F34. The cost of my electricity bill has a major impact on the bottom line of my organization and results in some important spending priorities and investments being put off.

F35. Customers are well served by the electricity system in Ontario.

[END BATTERY]

These last few questions are for statistical purposes only.

F36. Which of the following best describes the sector in which your organization operates?

Restaurant	1
Retail	2
Commercial	3
Multi-unit residential	4
Hospitality (i.e. catering, hotel operations)	5
Manufacturing/Warehousing	6
Other [Please specify: ______________]	88
Don't know / Refused (**DNR**)	98

H38. Which of the following best describes the hours of operation of your organization? Would you say … [**READ LIST**]

We are open 24/7	1
We operate several shifts each day, but are not open 24/7	2
We operate during regular business hours only	3
We operate outside of regular business hours, but do not have shifts	4
Other (please specify): ____________________	88
Don't know / Refused (**DNR**)	98

THANK and END SURVEY

Thank you very much for taking the time to complete this survey.

Appendix 3.3

Enersource
Mid-Sized Business Ratepayer Survey

2019 ICM Customer Engagement

Date: May 2018

Prepared by:

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Mid-Sized Business Ratepayer Survey

Internal Questionnaire Notes

Method: Telephone, client provided list
Questionnaire Length: 10 minutes
Language: English
Sample Frame: Representative; n=200 small business (GS < 50 kW) customers
Calling Times: Weekdays 9am-5pm

Sample Variables

1. **Postal Code**
2. **Total Annual Electricity Consumption** *(total consumption between 1-Jan-2016 and 31-Dec-2016)*

The survey will follow a stratified random sampling methodology. This is a method of sampling that involves the division of a population into smaller groups known as strata. In stratified random sampling, the strata are formed based on members' shared attributes or characteristics (in this case, customer service area or electricity usage). A random sample from each stratum is taken in a number proportional to the stratum's size when compared to the customer population. These subsets of the strata are then pooled to form a random sample.

In this survey, customers will be divided into quartiles based on annual electricity usage to ensure the sample has a proportionate mix of customers from low, medium-low, medium-high, and high electricity usage households/low-volume businesses.

The table below illustrates the strata divisions:

Customer Sample Strata Divisions (Quotas):

Customer Type	Total Sample Target	First Quartile	Second Quartile	Third Quartile	Fourth Quartile
GS>50 kW	200	50	50	50	50

No regional segmentation.

A. SCREENING AND QUALIFICATIONS

Introduction

Hello, may I please speak to the person who is in charge of managing the electricity bill at your organization?
Yes <**speaking**> **[go to INTRO]**
Yes <**transferred to contact**> **[go to INTRO]**
No <**not available**> "When is a good time to callback? **[record callback time]**
No <**not interested in talking**> **[THANK & TERMINATE]**

INTRO.

A1. Hello, my name is _____________ and I'm calling from Innovative Research Group on behalf of **Enersource**, your electricity distributor.

Innovative Research Group is a national public opinion research firm. **We need your input on choices that will affect the service you receive from Enersource and the price you pay for that service.** Your answers will be combined with others to protect your privacy.

The survey should take about 10 minutes.

Can I please speak to the person who is in-charge of managing the electricity bill at your organization?

1) Yes, speaking <**contact on the line**> **[skip to A2]**
2) Yes <**transferred to contact**> **[skip to A2]**
3) No <**not the right contact person**> **[GO to "NEW"]**
4) No <**busy**> "When is a good time to callback?" **[record callback time]**
5) Maybe <**may I ask who is calling?**> **[skip to GATE]**

NEW. And ... can I have their ...

First Name ___________
Last Name ___________
Title/Position _________
Phone Number _________

ASK to be transferred ...

- **if transferred → go to A2**
- **if not transferred → Thank & Add to Callback List**

GATE. Hello, my name is _____________ and I'm calling on behalf of Enersource, your local electricity utility.

INTERVIEWER NOTE: If gatekeeper asks the purpose of call → I'd like to ask the person in-charge of managing the electricity bill at your organization a few questions concerning a **Enersource** customer consultation.

1) Yes <**transferred to contact**>		**[skip to A2]**
2) No <**not available**>	"*When is a good time to callback*?	**[record call-back time and go to "NEW"]**
3) No <**not interested in talking**>		**[Thank & Terminate]**

A1 QUAL PREAMBLE:

Read preamable again, if transferred to new person:

Hello, my name is ______________ and I'm calling on behalf of Enersource, your local electricity utility.

Innovative Research is a national public opinion research firm**.** We have been hired by **Enersource** to help them better understand the needs and preferences of non-residential customers who are responsible for paying their organization's electricity bill.

A2. Can I have roughly **10 minutes** of your time to ask you some questions? All your responses will be kept strictly confidential.

Yes – I don't mind	1	[CONTINUE]
No – Not primary bill payer (i.e. not best person to speak to)	2	[go to TRANSFER]
No – BAD TIME	3	[ARRANGE CALLBACK]
No – HARD REFUSAL	4	[THANK & TERMINATE]

MONIT [INTERNAL]

This call may be monitored or audio taped for quality control and evaluation purposes.

PRESS TO CONTINUE 1

A3. Can you confirm that your organization receives an electricity or hydro bill from **Enersource or Alectra Utilities**?

YES	1	[CONTINUE]
NO	2	[THANK & TERMINATE]
DK (volunteered)	98	[THANK & TERMINATE]

Only those in charge of managing/overseeing organizations electricity bill will be interviewed.

A4. As part of your job, are you in charge of managing or overseeing your organization's electricity or hydro bill?

YES	1		[CONTINUE]
NO	2	"Can I speak to the person who manages your organization's electricity bill?"	[Return to **NEW**]
DK	3	"Can I speak to the person who manages your organization's electricity bill?"	[Return to **NEW**]

TRANSFER

Can I please speak to the person who is in-charge of managing the electricity bill at your organization?

Yes	1	[BACK TO *INTRO*]
No – NOT AVAILABLE/BAD TIME – (ARRANGE CALLBACK)	2	[ARRANGE CALLBACK]
No – HARD REFUSAL	3	[THANK & TERMINATE]
Don't know (**DNR**)	98	[THANK & TERMINATE]

B. GENERAL SATISFACTION

B5. You may have recently heard that **Enersource** has merged with neighbouring electricity distributors to form a new company called **Alectra Utilities.**

Had you heard of the **Alectra Utilities** merger before this survey?

01	Yes
02	No
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

B6. Regardless of whether you've heard of the recent merger or not, today I'm going to use the old name **"Enersource"**.

So, throughout this survey, references to "**Enersource**" simply refers to the distribution system in Mississauga, formerly served by **Enersource**, now being served by **Alectra Utilities.**

Today we'd like to talk to you about four things. First, we will talk about your experience with Enersource. Second, we will talk about the outcomes that matter most to you. Third, we will talk about some trade-offs in planning future investments. And finally, we will talk about some projects that Enersource could undertake in the next year.

B7. First, let's talk about your experience. As you may know, **Enersource** operates and maintains the local electricity distribution system in Mississauga. This is the system that takes the electricity from provincial transmission lines and brings it to your business through a network of wires, poles and other equipment that is owned and operated by **Enersource.**

How familiar are you with **Enersource**? Would you say you are *very familiar*, *somewhat familiar*, or *not familiar at all*?

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

B8. In general, how satisfied or dissatisfied are you with the services your organization receives from **Enersource**? Would you say you are *very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied*?

01	Very satisfied
02	Somewhat satisfied
03	Neither satisfied or dissatisfied
04	Somewhat dissatisfied
05	Very dissatisfied
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

B9. Is there anything in particular **Enersource** can do to improve its service to your organization? [**OPEN**]

98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

B10. I'd now like to talk with you about your electricity bill …

While **Enersource** is responsible for collecting payment for the entire electricity bill, they retain about **8%** of the typical mid-sized business customer's bill. This is about **$1,294.51** on an average **$16,862.84** monthly mid-sized business electricity bill. The rest of the bill goes to power generation companies, transmission companies, the provincial government and regulatory agencies.

Before this survey, how familiar were you with the percentage of your organization's electricity bill that is retained by **Enersource**? Would you say… [**READ LIST**]

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

C. Customer Priorities

C11. READ PREAMBLE

Now lets talk about our second topic – outcomes. **Enersource** regularly holds discussions with its customers to better understand how it should set spending priorities with the money customers pay for service.

In recent conversations with customers, a number of company goals were identified as key priorities for **Enersource**.

C12. Among the following **Enersource** priorities, please tell me which one is most important to you.

[READ OPTIONS; RANDOMIZE LIST]

01	Delivering reasonable electricity distribution prices.
02	Ensuring reliable electrical service.
03	Providing new electricity services (for example: electricity storage and distributed generation such as solar panel installation).
04	Helping customers reduce and better manage their electricity consumption.
05	Minimizing impact on the environment.
06	Ensuring the safety of electricity infrastructure
07	Providing quality customer service
98	Don't Know [DO NOT READ]

C13. What is the next most important priority you think Enersource should focus on? **If C12=98 Skip to C15**

[**Remove answer from C11 if asked to read again**]

C14. And what do you consider the third most important priority? **If C13=98 Skip to C15**

[**Remove answer from C11 and C12 if asked to read again**]

C15. Are there any other important priorities that **Enersource** should be focusing on that weren't included in the previous list I read to you? [**OPEN**]

98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

D. System Reliability

D16. We would like to understand your experience with reliability.

There are different outcomes when customers talk about power reliability.

Among the following reliability outcomes, please tell me which one is most important to you.

01	Reducing the overall number of outages
02	Reducing the overall length of outages
03	Reducing the number of outages during extreme weather events
04	Reducing the length of time to restore power during extreme weather events
05	Improving the quality of power, as judged by momentary interruptions in power that can result in the flickering or dimming of lights
98	Don't Know [DO NOT READ]

D17. What is the next most important reliability outcome for you? **If D16=98 Skip to E19**

[**Remove answer from D16 if asked to read again**]

D18. And what do you consider the third most important reliability outcome? **If D17=98 Skip to E19**

[**Remove answer from D16 and D17 if asked to read again**]

E. Investment Trade-Offs

How are electricity distribution rates set in Ontario?

E19. *Now, lets turn to our third topic, investment trade-offs.*

The electricity industry in Ontario is regulated by the Ontario Energy Board, otherwise known as the O-E-B. The OEB sets electricity rates in Ontario.

The OEB requires electricity distributors, such as Alectra Utilities, to develop its business plan and distribution system plan, as well as make spending and investment decisions based on customer feedback.

Electricity distributors are funded by the distribution rates paid by their customers. Periodically, distributors are required to file rate applications with the OEB to justify the amount of funding they need to safely and reliably distribute electricity to their customers.

Before this survey, how familiar were you with how electricity distrubtion rates are set in Ontario?

Would you say you are … [**READ LIST**]

01	Very familiar and could explain the process to others in details
02	Somewhat familiar, but didn't know how much about the process
03	Not familiar at all with the process of how electricity distrubtion rates are set
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

ICM intro PREAMBLE

E20. Alectra Utilities is now starting to create it's first overall investment plan as a merged utility. The OEB divides electricity distributor investments into four categories. One category called system access includes investments that are mandatory under the distributor's licence to operate. These include reasonable costs to connect new customers and moving existing infrastructure to accommodate civic improvements.

The spending in the other three categories involves finding the right balance between the impact on your bill and the service you receive. We would now like ask a few questions about your preferences when it comes to finding the right balance between costs and other outcomes.

I want to start by asking you about system renewal, that is the projects that replace aging electrical infrastructure

E21. [**PREAMBLE**]While **Enersource** works hard to prolong the life of the assets that make up **Mississauga's** distribution system, eventually these assets reach the end of their useful life and require replacement. Currently the average customer experiences 1.08 outages a year for an average of **35 minutes and 40 seconds**. When adjusted to remove outages due to loss of supply from the transmission system and major storms, 56% of unscheduled outages are as a result of equipment failure in the Enersource rate zone. However, it is not possible to predict exactly when a specific piece of aging equipment will fail. Enersource must decide the pace at which it replaces this aging equipment.

E22. Which of the following statements best represents your point of view?
[Read and Rotate statements 1 and 2]

01	**Enersource** should invest what it takes to replace the system's aging infrastructure to maintain system reliability; even if that increases my monthly electricity bill by a few dollars over the next few years.
02	**Enersource** should defer its estimated investment in replacing aging infrastructure to lessen the impact of any bill increase; even if this could eventually lead to more or longer power outages.
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

General Plant

E23. As a company, **Enersource** needs facilities to house staff and equipment, vehicles and tools to service electrical infrastructure, and IT systems to manage the distribution system and customer information..

Which of the following statements best represents your point of view?
[Read and Rotate statements 1 and 2]

01	**Enersource** should find ways to make do with the facilities, equipment, vehicles and IT systems it already has.
02	**Enersource** should make the investments necessary to ensure its staff have the equipment and IT systems they need to manage the system efficiently and reliably.
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

System Service Questions

E24. With growth in various parts of Mississauga comes greater demand for electricity. This increased demand for electricity puts increased pressure on the existing electrical infrastructure. Eventually, further infrastructure investments will be required to support increased demand for electricity.

With this in mind, which of the following statements best represents your point of view?

[Read and Rotate statements 1 and 2]

01	To help keep rate increases down, Enersource should delay investments in system capacity needs until customers start to experience a decline in reliability.
02	Enersource should proactively invest in system capacity infrastructure to ensure customers in high growth areas do not experience a decrease in reliability, even if this adds a small increase to customer bills.
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

Modernizing the Distribution System.

E25. **[PREAMBLE]** There are new technologies that **Enersource** can implement such as microgrids, electricity storage, and automatic switches that can give customers more choices, improve reliaiblity or reduce the impact on the environment.

These investments would create a better grid, but are not required to maintain the reliability that you experience today.

Which of the following statements best represent your point of view?
[**READ LIST; rotate 01 and 02**]

01	Enersource should invest in the benefits of modernization now, even if that means customers will have to pay bit more on their distribution rates in the near future.
02	Enersource should keep rate increases down by modernizing as part of the normal replacement of aging equipment, even though that means delaying the benefits of modernization.
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

E26. As we mentioned earlier, the rates you pay to Enersource are set by the OEB through a public process. Enersource's current rates were approved in a 2013 application and will be in place until 2027. Each year Enersource is permitted to increase rates to reflect inflation minus a stretch factor which requires Enersource to find savings to keep cost increases below inflation.

Before this survey, how familiar were you with the OEB requirement for Enersource to find savings every year?

Would you say you are … [**READ LIST**]

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know (DO NOT READ)
99	Refused (DO NOT READ)

ICM rate impact

E27. Now let's turn to our final topic – possible new projects. As part of the OEB policies, there is an option for Enersource to apply for additional rate increases for discrete projects that are prudent, needed and not supported by existing rates. Looking ahead to 2019, Enersource has identified two system renewal projects that need more investment than the existing budget allows. System renewal projects are a mix of replacing aging infrastructure and emergency repairs.

Would you like me to repeat the description of system renewal projects, or may I move on?

[IF ASKED TO REPEAT; *"System renewal projects are a mix of replacing aging infrastructure and emergency repairs."]*

01	Repeat	
02	Continue	
98	Don't know (DO NOT READ)	
99	Refused (DO NOT READ)	

Leaky Transformers

E28. One of these projects deals with leaky transformers. Enersource has 25,000 tranformers which are used to reduce the voltage of electricity as it moves from major transmission lines to the lines going into homes and businesses. Earlier this decade, Enersource identified a backlog of almost 4,000 transformers that show signs of leaking. By the end of this year, over 3,000 of these transformers will have been replaced. However, that will still leave over 600 needing replacement.

E29. Which of the following is closest to your point of view regarding Ensource's proposed transformer replacement program? [**READ LIST ; ROTATE 01 and 02**]

01	Enersource should replace leaky transformers as part of its existing renewal plan, even the backlog, even if that means it will take several years before they are all replaced.
02	I am willing to have my bill increased by about **$6.21** a month so Enersource can make an extra effort to clean up the backlog of leaky transformers.
98	Don't know (DO NOT READ)

Rometown Overhead

E30. Another proposed project addresses the Rometown area Overhead system. There are 198 poles in this particular system. 68 out of 198 have been flagged as *poor* while another 56 are seen to be in *fair condition*. A total of 78 have been flagged for urgent replacement. This network of poles uses older technologies that will be replaced when the system is eventually rebuilt, but any repairs done today will have to use the older technology. It is more efficient to replace all the poles at once than to replace them one at a time but it costs less in the short run only to replace the poles most in need of repair.

E31. Which of the following is closest to your point of view regarding Ensource's proposed Rometown Overhead system rebuild program? [**READ LIST**]

01	Enersource should continue to operate the Rometown overhead system, and replace equipment reactively as it fails
02	Enersource should proceed now to replace 78 of the 198 poles in the most pressing need resulting in a monthly increase of $1.51 for the average mid-sized business customer
03	Enersource should proceed now to replace all 198 poles at a cost of 3.2 million dollars, resulting in a monthly increase of $2.62 for the average mid-sized business customer
04	Enersource should proceed now to replace the Rometown overhead system with an underground system at a cost of between $12 and 18 million dollars, resulting in a monthly increase of between $9.81 and $14.72 for the average mid-sized business customer
98	Don't know (DO NOT READ)

E32. As I mentioned earlier, each year Enersource is permitted to increase rates to reflect inflation minus a stretch factor which requires Enersource to find savings to keep cost increases below inflation. In order to reduce the backlog of leaking transformers and to replace the most high risk poles in the Rometown overhead system, Enersource would need to add a **$7.72 charge** to the typical mid-sized business customers monthly electricity bill, from 2019 to 2026.

E33. That would result in an annual increase of **$92.64 each year** over the course of the next eight years – *totalling $741.12 over that period*.

What is your opinion on this proposed rate increase in 2019? Would you say … [**READ LIST; ROTATE 1 and 2**]

01	The proposed rate increase is reasonable	
02	The proposed rate increase is unreasonable	
98	Don't know (DO NOT READ)	
99	Refused (DO NOT READ)	

F. SEGMENTATION & DEMOGRAPHICS

Lastly, I'd like to ask you some general questions about the electricity system in Ontario.
For each statement please tell me if you would strongly agree, somewhat agree, somewhat disagree or strongly disagree. If you don't know enough to say or don't have an opinion just let me know.

01	Strongly agree
02	Somewhat agree
03	Somewhat disagree
04	Strongly disagree
98	Don't know/ No opinion (DO NOT READ)
99	Refused (DO NOT READ)

[ROTATE]

F34. The cost of my electricity bill has a major impact on the bottom line of my organization and results in some important spending priorities and investments being put off.

F35. Customers are well served by the electricity system in Ontario.

[END BATTERY]

These last few questions are for statistical purposes only.

F36. Which of the following best describes the sector in which your organization operates?

Restaurant	1
Retail	2
Commercial	3
Multi-unit residential	4
Hospitality (i.e. catering, hotel operations)	5
Manufacturing/Warehousing	6
Other [Please specify: ______________]	88
Don't know / Refused (**DNR**)	98

H38. Which of the following best describes the hours of operation of your organization? Would you say … [**READ LIST**]

We are open 24/7	1
We operate several shifts each day, but are not open 24/7	2
We operate during regular business hours only	3
We operate outside of regular business hours, but do not have shifts	4
Other (please specify): ____________________	88
Don't know / Refused (**DNR**)	98

THANK and END SURVEY

Thank you very much for taking the time to complete this survey.

Appendix 3.4

Enersource

Key Accounts (2MW+ Customers) Online Survey

2019 ICM Customer Engagement

Date: May 2018

Prepared by:

Innovative Research Group, Inc.
www.innovativeresearch.ca

Vancouver
888 Dunsmuir Street, Suite 350
Vancouver BC | V6C 3K4

Toronto
56 The Esplanade, Suite 310
Toronto, Ontario | M5E 1A7

Internal Questionnaire Notes

Method: Online
Questionnaire Length: approximately 10 minutes
Language: English
Sample Frame: Large User 2MW+ (client list provided)
Sample Size: estimated 25% response rate
Field Date: May 15-25, 2018

Sample Variables

- **Contact Name**
- **Contact Email**
- **Company**
- **Average Peak Demand** (based on 2017 calendar year)
- **Average Monthly Bill** (based on 2017 calendar year)
- **Sector** (e.g. MURB, MASH, Commercial, Industrial or Institutional)

Email Introduction

This email to come from INNOVATIVE.
SUBJECT LINE: Alectra Utilities Customer Feedback Survey
FROM: Innovative Research Group <survey@innovativeresearch.ca>

Dear [e_PIPE_CN],

Alectra Utilities has commissioned **Innovative Research Group** (www.innovativeresearch.ca) to conduct a survey of all its **largest customers**.

The purpose of this survey is to help Alectra Utilities align its business planning with customer preferences and needs. Your feedback will help guide how Alectra Utilities uses ratepayer dollars to make future investment and spending decisions.

Only one representative per customer is being asked to participate in this important survey, so your response is singularly important. If you choose to delegate the completion of this survey, please refrain from multiple assignments, and assign this survey to a single staff member who is well-informed about your organization's electricity consumption and operations management.

We hope that you have a few minutes to complete this important survey so we can incorporate your input into Alectra Utilities' business planning process.

Your responses will be completely anonymous and your organization will not be identified to Alectra Utilities. To ensure your anonymity, your survey answers will be combined with those of other key account respondents to this survey.

The online survey will take about **10 minutes** to complete. To participate in the online survey, please click on the URL below, or copy and paste it into the address bar in your browser:
<unique URL>

We appreciate you taking the time to complete this survey.

Sincerely,
Innovative Research Group

- on behalf of -

Eileen Campbell
Vice President Customer Service
Alectra Utilities Corporation
E: Eileen.Campbell@alectrautilties.com
T: 905-317-4736

If you have any problems accessing the site, please contact Innovative Research Group's online panel support team at survey@innovativeresearch.ca.

A. INTRODUCTION

Thank you for participating in this online survey.

Innovative Research Group is a national public opinion research and consultation firm**. Alectra Utilities** has hired us to help it better understand the needs and preferences of its largest customers – customers like you – as well as identify the priorities where you think they should focus their resources.

This survey should take you **approximately 10 minutes** to complete and your answers will be combined with others to protect your confidentiality. While we've been provided your name and email address, no information that could be used to identify you or your company will be shared with Alectra Utilities.

Please answer all questions to the best of your ability. When answering the questions, please provide us with the response that holds most true for you. If you're unsure of how to answer a question or feel you don't know, please use the "don't know" or equivalent option.

Again, all information provided will be treated confidentially.

Note: *While you may be an Alectra Utilities residential customer, for the purposes of this survey, please answer the questions from the perspective of the* <u>*business or organization*</u> *that you represent*.

*Also, you may manage multiple facilities and receive multiple bills from Alectra Utilities. However, for this survey, please answer the questions with [**e_PIPE1**]'s facility, located at **[e_PIPE_ A],** in mind.*

Thank you for your time,

Innovative Research Group

Click here for the **Innovative Research Group Inc.'s** privacy policy.

Page break.

A1. PLACEHOLDER

A2. PLACEHOLDER

A3. PLACEHOLDER

A4. PLACEHOLDER

B. GENERAL SATISFACTION

B5. You may have recently heard that **Enersource** has merged with neighbouring electricity distributors to form a new company called **Alectra Utilities.**

Had you heard of the **Alectra Utilities** merger before this survey?

01	Yes
02	No

B6. Regardless of whether you've heard of the recent merger or not, today I'm going to use the old name **"Enersource"**.

So, throughout this survey, references to "**Enersource**" simply refers to the distribution system in Mississauga, formerly served by **Enersource**, now being served by **Alectra Utilities.**

This survey will review four topics:

1. Your experience with Enersource.
2. Outcomes that matter most to you.
3. Your preference on trade-offs in planning future investments
4. Your preferences on projects that Enersource could undertake in the next year.

Page break.

B7. Let's begin with our first topic: **your customer experience**.

As you may know, **Enersource** operates and maintains the local electricity distribution system in Mississauga. This is the system that takes the electricity from provincial transmission lines and brings it to your business through a network of wires, poles and other equipment that is owned and operated by **Enersource.**

How familiar are you with **Enersource**?

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know

B8. In general, how satisfied or dissatisfied are you with the services your organization receives from **Enersource**?

01	Very satisfied
02	Somewhat satisfied
03	Neither satisfied or dissatisfied
04	Somewhat dissatisfied
05	Very dissatisfied
98	Don't know

B9. Is there anything in particular **Enersource** can do to improve its service to your organization? [**OPEN**]

98	Don't know

Page break.

B10. The next question is specifically about [**e_PIPE1**]'s electricity bill.

While **Enersource** is responsible for collecting payment for the entire electricity bill, they retain about **[e_PIPE2]** of your organization's bill. This is about **[e_PIPE3]** on your average **[e_PIPE4]** monthly electricity bill. The rest of the bill goes to power generation companies, transmission companies, the provincial government and regulatory agencies.

Before this survey, how familiar were you with the percentage of your organization's electricity bill that is retained by **Enersource**?

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know

Page break.

C. Customer Priorities

C11. Now lets turn to our second topic: **outcomes**.

Enersource regularly holds discussions with its customers to better understand how it should set spending priorities with the money customers pay for service.

In recent conversations with customers, a number of company goals were identified as key priorities for **Enersource**.

C12. Please rank your Top 3 priorities from the list below.

Drag and drop the priorities in order, starting with the priority most important to you, followed by the second most important, and ending with the third most important.

01	Delivering reasonable electricity distribution prices.
02	Ensuring reliable electrical service.
03	Providing new electricity services (for example: electricity storage and distributed generation such as solar panel installation).
04	Helping customers reduce and better manage their electricity consumption.
05	Minimizing impact on the environment.
06	Ensuring the safety of electricity infrastructure
07	Providing quality customer service

C13. Place holder.

C14. Place holder.

C15. Are there any other important priorities that **Enersource** should be focusing on that weren't included in the previous list? [**OPEN**]

98	Don't know

Page break.

D. SYSTEM RELIABILITY

D16. We would like to understand your experience with reliability.

There are different outcomes when customers talk about power reliability.

Among the following reliability outcomes, please rank the **3 most important** from the list below.

Drag and drop the priorities in order, starting with the priority most important to you, followed by the second most important, and ending with the third most important.

01	Reducing the overall number of outages
02	Reducing the overall length of outages
03	Reducing the number of outages during extreme weather events
04	Reducing the length of time to restore power during extreme weather events
05	Improving the quality of power, as judged by momentary interruptions in power that can result in the flickering or dimming of lights

D17. Place holder.

D18. Place holder.

E. INVESTMENT TRADE-OFFS

How are electricity distribution rates set in Ontario?

E19. Now, lets turn to our third topic: **investment trade-offs.**

The electricity industry in Ontario is regulated by the Ontario Energy Board(OEB). The OEB sets electricity rates in Ontario.

The OEB requires electricity distributors, such as Alectra Utilities, to develop its business plan and distribution system plan, as well as make spending and investment decisions based on customer feedback.

Electricity distributors are funded by the distribution rates paid by their customers. Periodically, distributors are required to file rate applications with the OEB to justify the amount of funding they need to safely and reliably distribute electricity to their customers.

Before this survey, how familiar were you with how electricity distrubtion rates are set in Ontario?

01	Very familiar and could explain the process to others in details
02	Somewhat familiar, but didn't know how much about the process
03	Not familiar at all with the process of how electricity distrubtion rates are set
98	Don't know

Page break.

ICM intro PREAMBLE

E20. Alectra Utilities is now starting to create it's first overall investment plan as a merged utility. The OEB divides electricity distributor investments into four categories. One category called system access includes investments that are mandatory under the distributor's licence to operate. These include reasonable costs to connect new customers and moving existing infrastructure to accommodate civic improvements.

The spending in the other three categories involves finding the right balance between the impact on your bill and the service you receive.

The next few questions are about your preferences when it comes to finding the right balance between costs and other outcomes.

The first projects involve **system renewal**: these are the projects that replace aging electrical infrastructure.

E21. While **Enersource** works hard to prolong the life of the assets that make up **Mississauga's** distribution system, eventually these assets reach the end of their useful life and require replacement.

Currently the average customer experiences 1.08 outages a year for an average of **35 minutes and 40 seconds**. When adjusted to remove outages due to loss of supply from the transmission system and major storms, 56% of unscheduled outages are as a result of equipment failure in the Enersource rate zone. However, it is not possible to predict exactly when a specific piece of aging equipment will fail. Enersource must decide the pace at which it replaces this aging equipment.

E22. With this in mind, which of the following statements best represents your point of view? **[Rotate statements 1 and 2]**

01	**Enersource** should invest what it takes to replace the system's aging infrastructure to maintain system reliability; even if that increases my monthly electricity bill by a few dollars over the next few years.
02	**Enersource** should defer its estimated investment in replacing aging infrastructure to lessen the impact of any bill increase; even if this could eventually lead to more or longer power outages.
98	Don't know

Page break.

General Plant

E23. As a company, **Enersource** needs facilities to house staff and equipment, vehicles and tools to service electrical infrastructure, and IT systems to manage the distribution system and customer information..

With this in mind, which of the following statements best represents your point of view? **[Rotate statements 1 and 2]**

01	**Enersource** should find ways to make do with the facilities, equipment, vehicles and IT systems it already has.
02	**Enersource** should make the investments necessary to ensure its staff have the equipment and IT systems they need to manage the system efficiently and reliably.
98	Don't know

System Service Questions

E24. With growth in various parts of Mississauga comes greater demand for electricity. This increased demand for electricity puts increased pressure on the existing electrical infrastructure. Eventually, further infrastructure investments will be required to support increased demand for electricity.

With this in mind, which of the following statements best represents your point of view?

[Rotate 1 and 2]

01	To help keep rate increases down, Enersource should delay investments in system capacity needs until customers start to experience a decline in reliability.
02	Enersource should proactively invest in system capacity infrastructure to ensure customers in high growth areas do not experience a decrease in reliability, even if this adds a small increase to customer bills.
98	Don't know

Modernizing the Distribution System.

E25. There are new technologies that **Enersource** can implement such as microgrids, electricity storage, and automatic switches that can give customers more choices, improve reliaiblity or reduce the impact on the environment.

These investments would create a better grid, but are not required to maintain the reliability that you experience today.

With this in mind, which of the following statements best represent your point of view? [**Rotate 01 and 02**]

01	Enersource should invest in the benefits of modernization now, even if that means customers will have to pay bit more on their distribution rates in the near future.
02	Enersource should keep rate increases down by modernizing as part of the normal replacement of aging equipment, even though that means delaying the benefits of modernization.
98	Don't know

Page break.

E26. As we mentioned earlier, the rates you pay to Enersource are set by the OEB through a public process. Enersource's current rates were approved in a 2013 application and will be in place until 2027.

Each year **Enersource** is permitted to increase rates to reflect inflation minus savings targets established by the OEB which requires **Enersource** to keep cost increases below inflation.

Before this survey, how familiar were you with the OEB requirement for Enersource to find savings every year?

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know

Page break.

ICM rate impact

E27. Now let's turn to our final topic – **possible new projects**.

As part of the OEB policies, there is an option for Enersource to apply for additional rate increases for discrete projects that are prudent, needed and not supported by existing rates.

Looking ahead to 2019, Enersource has identified **two system renewal projects** that need more investment than the existing budget allows. System renewal projects are a mix of replacing aging infrastructure and emergency repairs.

Leaky Transformers

E28. **One of these projects deals with leaky transformers**. Enersource has 25,000 tranformers which are used to reduce the voltage of electricity as it moves from major transmission lines to the lines going into homes and businesses. Earlier this decade, Enersource identified a backlog of almost 4,000 transformers that show signs of leaking. By the end of this year, over 3,000 of these transformers will have been replaced. However, that will still leave over 600 needing replacement.

E29. Which of the following is closest to your point of view regarding Ensource's proposed transformer replacement program?

[**ROTATE 01 and 02**]

01	Enersource should replace leaky transformers as part of its existing renewal plan, even the backlog, even if that means it will take several years before they are all replaced.
02	I am willing to have my bill increased by about **[e_PIPE5]** a month so Enersource can make an extra effort to clean up the backlog of leaky transformers.
98	Don't know

Rometown Overhead

E30. **Another proposed project addresses the Rometown area Overhead system.**

There are 198 poles in this particular system. 68 out of 198 have been flagged as *poor* while another 56 are seen to be in *fair condition*. A total of 78 have been flagged for urgent replacement.

This network of poles uses older technologies that will be replaced when the system is eventually rebuilt, but any repairs done today will have to use the older technology. It is more efficient to replace all the poles at once than to replace them one at a time but it costs less in the short run only to replace the poles most in need of repair.

E31. Which of the following is closest to your point of view regarding Ensource's proposed Rometown Overhead system rebuild program?

01	Enersource should continue to operate the Rometown overhead system, and replace equipment reactively as it fails
02	Enersource should proceed now to replace 78 of the 198 poles in the most pressing need resulting in an estimated monthly increase of **[e_PIPE6]** for your organization
03	Enersource should proceed now to replace all 198 poles at a cost of 3.2 million dollars, resulting in a monthly increase of **[e_PIPE7]** for your organization
04	Enersource should proceed now to replace the Rometown overhead system with an underground system at a cost of between $12 and 18 million dollars, resulting in a monthly increase of between **[e_PIPE8]** and **[e_PIPE9]** for your organization
98	Don't know

E32. As mentioned earlier, each year Enersource is permitted to increase rates to reflect inflation minus a stretch factor which requires Enersource to find savings to keep cost increases below inflation.

In order to reduce the backlog of **leaking transformers** and to replace the most high risk poles in the **Rometown overhead system**, Enersource would need to add an estimated **[e_PIPE10] charge** to your organization's monthly electricity bill, from 2019 to 2026.

E33. That would result in an estimated annual increase of **[e_PIPE11] each year** over the course of the next eight years – *totalling* **[e_PIPE12]***over that period*.

What is your opinion on this proposed rate increase in 2019?

01	The proposed rate increase is reasonable	
02	The proposed rate increase is unreasonable	
98	Don't know	

F. SEGMENTATION & FIRMOGRAPHICS

The last few questions are about the broader electricity system in Ontario.
For each statement please indicate if you agree or disagree.

01	Strongly agree
02	Somewhat agree
03	Somewhat disagree
04	Strongly disagree
98	Don't know/no opinion

[ROTATE]

F34. The cost of my electricity bill has a major impact on the bottom line of my organization and results in some important spending priorities and investments being put off.

F35. Customers are well served by the electricity system in Ontario.

[END BATTERY]

F36. Before this survey concludes, do you have any additional comments or feedback you'd like to share with **Alectra Utilities**?
Note: all feedback is anonymous and you will not be identified to Alectra Utilities without your expressed permission.
[OPEN]

THANK and END SURVEY

Thank you for taking the time to complete this survey.

If you have additional feedback you'd like to share with **Alectra Utilities**, please feel free to contact:

Scott Miller
Director, Customer Care
Alectra Utilities Corporation
Scott.Miller@alectrautilities.com

Appendix 3.5

Powerstream
Residential Ratepayer Survey

2019 ICM Customer Engagement

Date: May 2018

Prepared by:

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Residential Ratepayer Survey

Internal Questionnaire Notes

Method: Telephone, client provided list
Questionnaire Length: TBD
Language: English
Sample Frame: Representative; n=500 residential customers
Calling Times: Weekdays 4-9pm; Saturdays 12noon-9pm; Sundays 12noon-9pm

Sample Variables

1. **Postal Code**
2. **Total Annual Electricity Consumption** *(total consumption between 1-Jan-2017 and 31-Dec-2017)*

The survey will follow a stratified random sampling methodology. This is a method of sampling that involves the division of a population into smaller groups known as strata. In stratified random sampling, the strata are formed based on members' shared attributes or characteristics (in this case, customer service area or electricity usage). A random sample from each stratum is taken in a number proportional to the stratum's size when compared to the customer population. These subsets of the strata are then pooled to form a random sample.

In this survey, customers will be divided into quartiles based on annual electricity usage to ensure the sample has a proportionate mix of customers from low, medium-low, medium-high, and high electricity usage households/low-volume businesses.

The table below illustrates the strata divisions:

Residential Customers	% Dist	Sample	Quartile 1	Quartile 2	Quartile 3	Quartile 4
Aurora	5%	27	7	7	7	7
Barrie	15%	76	19	19	19	19
Bradford	3%	13	3	3	3	3
Markham	28%	140	35	35	35	35
Richmond Hill	17%	87	22	22	22	22
Vaughan	26%	131	33	33	33	33
Other	6%	28	7	7	7	7
Total	**100%**	**500**	**125**	**125**	**125**	**125**

A. SCREENING AND QUALIFICATIONS

Introduction

Hello, my name is _____________ and I'm calling from **Innovative Research Group** on behalf of **PowerStream**, your electricity distributor.

Innovative Research Group is a national public opinion research firm. We have been commissioned by **PowerStream** to help them better understand the needs and preferences of customers who are responsible for paying their household's electricity bill.

PowerStream– which distributes electricity to homes and businesses in your community – is preparing to submit its investment plan to the Ontario Energy Board for regulatory review. Since this plan will impact your bill, **PowerStream** wants to hear from you, so your views can help shape its plan.

A1. Would you mind if I had **10 minutes** of your time to ask you some questions? All your responses will be kept strictly confidential.

1	Yes	[**continue**]
2	No – NOT PRIMARY BILL PAYER	[**go to TRANSFER-1**]
3	No – BAD TIME	**ARRANGE CALLBACK**
4	No – HARD REFUSAL	**[Terminate]**

MONIT

This call may be monitored or audio recorded for quality control and evaluation purposes.

1	PRESS TO CONTINUE

A2. Have I reached you at your home phone number?

1	Yes – SPEAKING, CONTINUE	[**continue to A3**]
2	No – AT OFFICE or WORKPLACE	[**continue to A3**]
3	No – on cellular or mobile phone	[skip to CELL]
99	Refused – LOG (THANK AND TERMINATE)	**[Terminate]**

CELL. Are you currently operating a car, truck or other motor vehicle?

1	YES	ARRANGE CALLBACK
2	NO	[continue to A3]
98	Refused – LOG (THANK AND TERMINATE)	**[Terminate]**

A3. Are you the person primarily responsible for paying the electricity bill in your household?

1	Yes – I pay the bill	[continue to A4]
2	Yes – shared responsibility	[continue to A4]
3	No	[go to TRANSFER-1]
98	Don't know (**DNR**)	**[Terminate]**

TRANSFER-1

Can I speak with the person in your household who usually pays the electricity bill?

1	Yes	[**BACK TO** ***INTRO***]
2	No – NOT AVAILABLE/BAD TIME	[ARRANGE CALLBACK]
3	No – HARD REFUSAL	[**Terminate**]
98	Don't know (**DNR**)	[**Terminate**]

A4. And can you confirm that your household receives an electricity bill from **PowerStream**?

1	Yes	[**continue**]
2	No	[**Terminate**]
98	Don't know (**DNR**)	[**Terminate**]

GENDER	**Note gender by observation:**
1	Male
2	Female

B. General Satisfaction

B5. You may have recently heard that **Powerstream** has merged with neighbouring electricity distributors to form a new company called **Alectra Utilities.**

Had you heard of the **Alectra Utilities** merger before this survey?

01	Yes
02	No
98	Don't know (**DNR**)
99	Refused (**DNR**)

B6. Regardless of whether you've heard of the recent merger or not, today I'm going to use the old name, PowerStream.

So, throughout this survey, references to "**PowerStream**" simply refers to the distribution system, formerly served by **PowerStream**, now being served by **Alectra Utilities.**

Today we'd like to talk to you about four things. First, we will talk about your experience with PowerStream. Second, we will talk about the outcomes that matter most to you. Third, we will talk about some trade-offs in planning future investments. And finally, we will talk about some projects that PowerStream could undertake in the next year.

B7. First, let's talk about your experience. As you may know, **PowerStream** operates and maintains the local electricity distribution system in this area. This is the system that takes the electricity from provincial transmission lines and brings it to your home through a network of wires, poles and other equipment that is owned and operated by **PowerStream.**

How familiar are you with **PowerStream**? Would you say you are *very familiar*, *somewhat familiar*, or *not familiar at all*?

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know (**DNR**)
99	Refused (**DNR**)

B8. In general, how satisfied or dissatisfied are you with the services you receive from **Powerstream**? Would you say you are *very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied*?

01	Very satisfied
02	Somewhat satisfied
03	Neither satisfied or dissatisfied
04	Somewhat dissatisfied
05	Very dissatisfied
98	Don't know (**DNR**)
99	Refused (**DNR**)

B9. Is there anything in particular **Powerstream** can do to improve its service to you? [**OPEN**]

98	Don't know (**DNR**)
99	Refused (**DNR**)

B10. I'd now like to talk with you about your electricity bill …

While **Powerstream** is responsible for collecting payment for the entire electricity bill, they retain about **26%** of the typical residential customer's bill. This is about **$28.48** on an average **$108.81** monthly residential electricity bill. The rest of the bill goes to power generation companies, transmission companies, the provincial government and regulatory agencies.

Before this survey, how familiar were you with the percentage of your electricity bill that is retained by **Powerstream**? Would you say… [**READ LIST**]

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't Know [DO NOT READ]
99	Refused (DO NOT READ)

C. CUSTOMER PRIORITIES

C11. READ PREAMBLE

Now lets talk about our second topic – outcomes. **Powerstream** regularly holds discussions with its customers to better understand how it should set spending priorities with the money customers pay for service.

In recent conversations with customers, a number of company goals were identified as key priorities for **Powerstream**.

C12. Among the following **Powerstream** priorities, please tell me which one is most important to you.

[READ OPTIONS; RANDOMIZE LIST]

01	Delivering reasonable electricity distribution prices.
02	Ensuring reliable electrical service.
03	Providing new electricity services (for example: electricity storage and distributed generation such as solar panel installation).
04	Helping customers reduce and better manage their electricity consumption.
05	Minimizing impact on the environment.
06	Ensuring the safety of electricity infrastructure
07	Providing quality customer service
98	Don't Know [DO NOT READ]

C13. What is the next most important priority you think Powerstream should focus on? [**If C12=98 Skip to C15**]

[**Remove answer from C12 if asked to read again**]

C14. And what do you consider the third most important priority? [**If C13=98 Skip to C15**]

[**Remove answer from C12 and C13 if asked to read again**]

C15. Are there any other important priorities that **Powerstream** should be focusing on that weren't included in the previous list I read to you? [**OPEN**]

D. SYSTEM RELIABILITY

D16. We would like to understand your experience with reliability.

There are different outcomes when customers talk about power reliability.

Among the following reliability outcomes, please tell me which one is most important to you.

01	Reducing the overall number of outages
02	Reducing the overall length of outages
03	Reducing the number of outages during extreme weather events
04	Reducing the length of time to restore power during extreme weather events
05	Improving the quality of power, as judged by momentary interruptions in power that can result in the flickering or dimming of lights

D17. What is the next most important reliability outcome for you?

[**Remove answer from D16 if asked to read again**]

D18. And what do you consider the third most important reliability outcome?

[**Remove answer from D16 and D17 if asked to read again**]

E. INVESTMENT TRADE-OFFS

How are electricity distribution rates set in Ontario?

E19. Now, lets turn to our third topic, investment trade-offs.

The electricity industry in Ontario is regulated by the Ontario Energy Board, otherwise known as the O-E-B. The OEB sets electricity rates in Ontario.

The OEB requires electricity distributors, such as Alectra Utilities, to develop its business plan and distribution system plan, as well as make spending and investment decisions based on customer feedback.

Electricity distributors are funded by the distribution rates paid by their customers. Periodically, distributors are required to file rate applications with the OEB to justify the amount of funding they need to safely and reliably distribute electricity to their customers.

Before this survey, how familiar were you with how electricity distrubtion rates are set in Ontario?

Would you say you are … [**READ LIST**]

01	Very familiar and could explain the process to others in details
02	Somewhat familiar, but didn't know how much about the process
03	Not familiar at all with the process of how electricity distrubtion rates are set
98	Don't know (**DNR**)
99	Refused (**DNR**)

ICM intro PREAMBLE

E20. Alectra Utilities is now starting to create it's first overall investment plan as a merged utility. The OEB divides electricity distributor investments into four categories. One category called system access includes investments that are mandatory under the distributor's licence to operate. These include reasonable costs to connect new customers and moving existing infrastructure to accommodate civic improvements.

The spending in the other three categories involves finding the right balance between the impact on your bill and the service you receive. We would now like ask a few questions about your preferences when it comes to finding the right balance between costs and other outcomes.

I want to start by asking you about system renewal, that is the projects that replace aging electrical infrastructure.

E21. [**PREAMBLE**]While **PowerStream** works hard to prolong the life of the assets that make up its distribution system, eventually these assets reach the end of their useful life and require replacement. Currently the average customer experiences 1.1 outages a year for an average of 57 minutes. When adjusted to remove outages due to loss of supply from the transmission system and major storms, 42% of unscheduled outages are as a result of equipment failure in the PowerStream rate zone. However, it is not possible to predict exactly when a specific piece of aging equipment will fail. PowerStream must decide the pace at which it replaces this aging equipment.

E22. Which of the following statements best represents your point of view?
[Read and Rotate statements 1 and 2]

01	**PowerStream** should invest what it takes to replace the system's aging infrastructure to maintain system reliability; even if that increases my monthly electricity bill by a few dollars over the next few years.
02	**PowerStream** should defer its estimated investment in replacing aging infrastructure to lessen the impact of any bill increase; even if this could eventually lead to more or longer power outages.
98	Don't know (**DNR**)
99	Refused (**DNR**)

General Plant

E23. As a company, **PowerStream** needs facilities to house staff and equipment, vehicles and tools to service electrical infrastructure, and IT systems to manage the distribution system and customer information..

Which of the following statements best represents your point of view?
[Read and Rotate statements 1 and 2]

01	**PowerStream** should find ways to make do with the facilities, equipment, vehicles and IT systems it already has.
02	**PowerStream** should make the investments necessary to ensure its staff have the equipment and IT systems they need to manage the system efficiently and reliably
98	Don't know (**DNR**)
99	Refused (**DNR**)

System Service Questions

E24. With growth in various parts of the PowerStream service area comes greater demand for electricity. This increased demand for electricity puts increased pressure on the existing electrical infrastructure. Eventually, further infrastructure investments will be required to support increased demand for electricity.

With this in mind, which of the following statements best represents your point of view?

[Read and Rotate statements 1 and 2]

01	To help keep rate increases down, **PowerStream** should delay investments in system capacity needs until customers start to experience a decline in reliability.
02	**PowerStream** should proactively invest in system capacity infrastructure to ensure customers in high growth areas do not experience a decrease in reliability, even if this adds a small increase to customer bills.
98	Don't know (**DNR**)
99	Refused (**DNR**)

Modernizing the Distribution System.

E25. **[PREAMBLE]** There are new technoglogies that **PowerStream** can implement such as microgrids, electricity storage, and automatic swithces that can give customers more choices, improve reliaiblity or reduce the impact on the environment.

These investments would create a better grid, but are not required to maintain the reliability that you experience today.

Which of the following statements best represent your point of view?
[**READ LIST; rotate 01 and 02**]

01	**PowerStream** should invest in the benefits of modernization now, even if that means customers will have to pay bit more on their distribution rates in the near future.
02	**PowerStream** should keep rate increases down by modernizing as part of the normal replacement of aging equipment, even though that means delaying the benefits of modernization.
98	Don't know [**DNR**]
99	Refused [**DNR**]

E26. As we mentioned earlier, the rates you pay to PowerStream are set by the OEB through a public process. PowerStream's current rates were approved in a 2017 application and will be in place until 2027. Each year PowerStream is permitted to increase rates to reflect inflation minus savings targets established by the OEB which requires PowerStream to keep cost increases below inflation.

Before this survey, how familiar were you with the OEB requirement for PowerStream to find savings every year?

Would you say you are … [**READ LIST**]

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know (**DNR**)
99	Refused (**DNR**)

ICM rate impact

E27. *Now let's turn to our final topic – possible new projects.* As part of the OEB policies, there is an option for PowerStream to apply for additional rate increases for discrete projects projects that are prudent, needed and not supported by existing rates. Looking ahead to 2019, PowerStream has identified three projects that need more investment than the existing budget allows.

One project involves relocating six major feeder lines and the accompanying metering equipment to accommodate the rebuild of a major Transmission substation. PowerStream is using the lowest cost option to complete this project.

The second project involves relocating poles and wires as part of the York Region Rapid Transit VIVA bus projects. There are no major design choices in this project.

E28. Would you like me to repeat the description of these projects or may I move on to a third project?

[**IF ASKED TO REPEAT**; *"One project involves relocating six major feeder lines and the accompanying metering equipment to accommodate the rebuild of a major Transmission substation. PowerStream is using the lowest cost option to complete this project.*

The second project involves relocating poles and wires as part of the York Region Rapid Transit VIVA bus projects. There are no major design choices in this project."

01	Repeat	
02	Continue	
98	Don't know [**DNR**]	
99	Refused [**DNR**]	

E29. The third project involves relocating both overhead and underground wires and supporting equipment as part of the Bathurst Street road widening from Highway 7 to Teston road.

Powerstream has two options for this project. It can (ROTATE)

- move the current mix of overhead and underground wires and equipment at a cost of $5.5 million dollars, OR
- replace the overhead system with an underground system for better protection against weather and collisions from vehicles at a cost of between $25 and $35 million dollars.

Given earlier customer feedback emphasing the need to keep rate increases down, PowerStream is currently planning on taking the first option - to move the current mix of overhead and underground wires and equipment

Which option do you prefer? [**ROTATE 1 and 2**]

01	Move the current mix of overhead and underground wires and equipment at a cost of $5.5 million dollars, resulting in a monthly increase of **6 cents** for the average residential customer.	
02	Replace the overhead system with an underground system at a cost of between $25 and $35 million dollars, resulting in a monthly increase of between **25 cents and 35 cents** for the average residential customer	
98	Don't know [**DNR**]	
99	Refused [**DNR**]	

E30. As I mentioned earlier, each year PowerStream is permitted to increase rates to reflect inflation minus a stretch factor which requires PowerStream to find savings to keep cost increases below inflation. In order to maintain the existing plan to replace aging infrastructure and complete the mandatory projects previously discussed, PowerStream would need to add a **21 cent charge** to the typical residential customers monthly electricity bill, from 2019 to 2026.

E31. That would result in an annual increase of **$2.52 each year** over the course of the next eight years – *totalling $20.16 over that period*.

What is your opinion on this proposed rate increase in 2019? Would you say … [**READ LIST; ROTATE 1 and 2**]

01	The proposed rate increase is reasonable	
02	The proposed rate increase is unreasonable	
98	Don't know [**DNR**]	
99	Refused [**DNR**]	

F. SEGMENTATION & DEMOGRAPHICS

Lastly, I'd like to ask you some general questions about the electricity system in Ontario.
For each statement please tell me if you would strongly agree, somewhat agree, somewhat disagree or strongly disagree. If you don't know enough to say or don't have an opinion just let me know.

01	Strongly agree
02	Somewhat agree
03	Somewhat disagree
04	Strongly disagree
98	Don't know/ No opinion [DO NOT READ]
99	Refused [**DNR**]

[ROTATE]

F32. The cost of my electricity bill has a major impact on my finances and requires I do without some other important priorities.

F33. Customers are well served by the electricity system in Ontario.

[END BATTERY]

These last few questions are for statistical purposes only and I remind you again that all of your responses are completely confidential.

F34. Which of the following age group do you fall into? **READ LIST**

01	Younger than 18
02	18 to 24
03	25 to 34
04	35 to 44
05	45 to 54
06	55 to 64
07	65 or older
99	Refused [**DNR**]

F35. Counting yourself, how many people live in your household? [**DO NOT READ LIST**]

01	1 person
02	2 people
03	3 people
04	4 people
05	5 people
06	6 people
07	7 people
08	8 or more people
99	Refused [**DNR**]

F36. To the best of your ability, please tell me which of the following categories best describes your household's AFTER TAX income. **READ LIST**

01	Less than $28,000
02	Just over $28,000 to $39,000
03	Just over $39,000 to $48,000
04	Just over $48,000 to $52,000
05	More than $52,000
98	Not sure [**DNR**]
99	Refused [**DNR**]

THANK and END SURVEY

Thank you very much for taking the time to complete this survey.

Appendix 3.6

Powerstream

Small Business Ratepayer Survey

2019 ICM Customer Engagement

Date: May 2018

Prepared by:

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Small Business Ratepayer Survey

Internal Questionnaire Notes

Method: Telephone, client provided list
Questionnaire Length: 10 minutes
Language: English
Sample Frame: Representative; n=200 small business customers (GS<50kW)
Calling Times: Weekdays 9am to 5pm;

Sample Variables

1. **Postal Code**
2. **Total Annual Electricity Consumption** *(total consumption between 1-Jan-2016 and 31-Dec-2016)*

The survey will follow a stratified random sampling methodology. This is a method of sampling that involves the division of a population into smaller groups known as strata. In stratified random sampling, the strata are formed based on members' shared attributes or characteristics (in this case, customer service area or electricity usage). A random sample from each stratum is taken in a number proportional to the stratum's size when compared to the customer population. These subsets of the strata are then pooled to form a random sample.

In this survey, customers will be divided into quartiles based on annual electricity usage to ensure the sample has a proportionate mix of customers from low, medium-low, medium-high, and high electricity usage households/low-volume businesses.

The table below illustrates the strata divisions:

Customer Sample Strata Divisions (Quotas):

GS<50kW Customers	% Dist	Sample	Quartile 1	Quartile 2	Quartile 3	Quartile 4
Aurora	5%	11	3	3	3	3
Barrie	15%	30	8	8	8	8
Bradford	3%	5	1	1	1	1
Markham	28%	56	14	14	14	14
Richmond Hill	17%	35	9	9	9	9
Vaughan	26%	52	13	13	13	13
Other	6%	11	3	3	3	3
Total	**100%**	**200**	**50**	**50**	**50**	**50**

A. SCREENING AND QUALIFICATIONS

Introduction

Hello, may I please speak to the person who is in charge of managing the electricity bill at your organization?	
Yes <**speaking**>	**[go to INTRO]**
Yes <**transferred to contact**>	**[go to INTRO]**
No <**not available**> "When is a good time to callback?	**[record callback time]**
No <**not interested in talking**>	**[THANK & TERMINATE]**

INTRO.

A1. Hello, my name is _____________ and I'm calling from Innovative Research Group on behalf of **PowerStream**, your electricity distributor.

Innovative Research Group is a national public opinion research firm. **We need your input on choices that will affect the service you receive from PowerStream and the price you pay for that service.** Your answers will be combined with others to protect your privacy.

The survey should take about 10 minutes.

Can I please speak to the person who is in-charge of managing the electricity bill at your organization?

1) Yes, speaking <**contact on the line**>	**[skip to A2]**
2) Yes <**transferred to contact**>	**[skip to A2]**
3) No <**not the right contact person**>	**[GO to "NEW"]**
4) No <**busy**> "When is a good time to callback?"	**[record callback time]**
5) Maybe <**may I ask who is calling?**>	**[skip to GATE]**

NEW. And … can I have their …

First Name ___________
Last Name ___________
Title/Position _________
Phone Number _________

ASK to be transferred …

- **if transferred → go to A2**
- **if not transferred → Thank & Add to Callback List**

GATE. Hello, my name is ______________ and I'm calling on behalf of PowerStream, your local electricity utility.

INTERVIEWER NOTE: If gatekeeper asks the purpose of call → I'd like to ask the person in-charge of managing the electricity bill at your organization a few questions concerning a **PowerStream** customer consultation.

1) Yes <**transferred to contact**>		**[skip to A2]**
2) No <**not available**>	"*When is a good time to callback*?	**[record call-back time and go to "NEW"]**
3) No <**not interested in talking**>		**[Thank & Terminate]**

A1 QUAL PREAMBLE:

Read preamable again, if transferred to new person:

Hello, my name is ______________ and I'm calling on behalf of PowerStream, your local electricity utility.

Innovative Research is a national public opinion research firm**.** We have been hired by **PowerStream** to help them better understand the needs and preferences of non-residential customers who are responsible for paying their organization's electricity bill.

A2. Can I have roughly **10 minutes** of your time to ask you some questions? All your responses will be kept strictly confidential.

Yes – I don't mind	1	[CONTINUE]
No – Not primary bill payer (i.e. not best person to speak to)	2	[go to TRANSFER]
No – BAD TIME	3	[ARRANGE CALLBACK]
No – HARD REFUSAL	4	[THANK & TERMINATE]

MONIT [INTERNAL]

This call may be monitored or audio taped for quality control and evaluation purposes.

PRESS TO CONTINUE	1

A3. Can you confirm that your organization receives an electricity or hydro bill from **PowerStream or Alectra Utilities**?

YES	1	[CONTINUE]
NO	2	[THANK & TERMINATE]
DK (volunteered)	98	[THANK & TERMINATE]

Only those in charge of managing/overseeing organizations electricity bill will be interviewed.

A4. As part of your job, are you in charge of managing or overseeing your organization's electricity or hydro bill?

YES	1		[CONTINUE]
NO	2	"Can I speak to the person who manages your organization's electricity bill?"	[Return to **NEW**]
DK	3	"Can I speak to the person who manages your organization's electricity bill?"	[Return to **NEW**]

TRANSFER

Can I please speak to the person who is in-charge of managing the electricity bill at your organization?

Yes	1	[BACK TO *INTRO*]
No – NOT AVAILABLE/BAD TIME – (ARRANGE CALLBACK)	2	[ARRANGE CALLBACK]
No – HARD REFUSAL	3	[THANK & TERMINATE]
Don't know (**DNR**)	98	[THANK & TERMINATE]

B. General Satisfaction

B5. You may have recently heard that **Powerstream** has merged with neighbouring electricity distributors to form a new company called **Alectra Utilities.**

Had you heard of the **Alectra Utilities** merger before this survey?

01	Yes
02	No
98	Don't know (**DNR**)
99	Refused (**DNR**)

B6. Regardless of whether you've heard of the recent merger or not, today I'm going to use the old name, **PowerStream**.

So, throughout this survey, references to "**PowerStream**" simply refers to the distribution system, formerly served by **PowerStream**, now being served by **Alectra Utilities.**

Today we'd like to talk to you about four things. First, we will talk about your experience with PowerStream. Second, we will talk about the outcomes that matter most to you. Third, we will talk about some trade-offs in planning future investments. And finally, we will talk about some projects that PowerStream could undertake in the next year.

B7. First, let's talk about your experience. As you may know, **PowerStream** operates and maintains the local electricity distribution system in this area. This is the system that takes the electricity from provincial transmission lines and brings it to your business through a network of wires, poles and other equipment that is owned and operated by **PowerStream.**

How familiar are you with **PowerStream**? Would you say you are *very familiar*, *somewhat familiar*, or *not familiar at all*?

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know (**DNR**)
99	Refused (**DNR**)

B8. In general, how satisfied or dissatisfied are you with the services you receive from **Powerstream**? Would you say you are *very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied*?

01	Very satisfied
02	Somewhat satisfied
03	Neither satisfied or dissatisfied
04	Somewhat dissatisfied
05	Very dissatisfied
98	Don't know (**DNR**)
99	Refused (**DNR**)

B9. Is there anything in particular **Powerstream** can do to improve its service to you? [**OPEN**]

98	Don't know (**DNR**)
99	Refused (**DNR**)

B10. I'd now like to talk with you about your electricity bill …

While **Powerstream** is responsible for collecting payment for the entire electricity bill, they retain about **23%** of the typical small business customer's bill. This is about **$68.52** on an average **$292.71** monthly small business electricity bill. The rest of the bill goes to power generation companies, transmission companies, the provincial government and regulatory agencies.

Before this survey, how familiar were you with the percentage of your organization's electricity bill that is retained by **Powerstream**? Would you say… [**READ LIST**]

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't Know [DO NOT READ]
99	Refused (DO NOT READ)

C. CUSTOMER PRIORITIES

C11. READ PREAMBLE

Now lets talk about our second topic – outcomes. **Powerstream** regularly holds discussions with its customers to better understand how it should set spending priorities with the money customers pay for service.

In recent conversations with customers, a number of company goals were identified as key priorities for **Powerstream**.

C12. Among the following **Powerstream** priorities, please tell me which one is most important to you.

[READ OPTIONS; RANDOMIZE LIST]

01	Delivering reasonable electricity distribution prices.
02	Ensuring reliable electrical service.
03	Providing new electricity services (for example: electricity storage and distributed generation such as solar panel installation).
04	Helping customers reduce and better manage their electricity consumption.
05	Minimizing impact on the environment.
06	Ensuring the safety of electricity infrastructure
07	Providing quality customer service
98	Don't Know [DO NOT READ]

C13. What is the next most important priority you think Powerstream should focus on? [**If C12=98 Skip to C15**]

[**Remove answer from C12 if asked to read again**]

C14. And what do you consider the third most important priority? [**If C13=98 Skip to C15**]

[**Remove answer from C12 and C13 if asked to read again**]

C15. Are there any other important priorities that **Powerstream** should be focusing on that weren't included in the previous list I read to you? [**OPEN**]

D. SYSTEM RELIABILITY

D16. We would like to understand your experience with reliability.

There are different outcomes when customers talk about power reliability.

Among the following reliability outcomes, please tell me which one is most important to you.

01	Reducing the overall number of outages
02	Reducing the overall length of outages
03	Reducing the number of outages during extreme weather events
04	Reducing the length of time to restore power during extreme weather events
05	Improving the quality of power, as judged by momentary interruptions in power that can result in the flickering or dimming of lights

D17. What is the next most important reliability outcome for you?

[**Remove answer from D16 if asked to read again**]

D18. And what do you consider the third most important reliability outcome?

[**Remove answer from D16 and D17 if asked to read again**]

E. INVESTMENT TRADE-OFFS

How are electricity distribution rates set in Ontario?

E19. Now, lets turn to our third topic, investment trade-offs.

The electricity industry in Ontario is regulated by the Ontario Energy Board, otherwise known as the O-E-B. The OEB sets electricity rates in Ontario.

The OEB requires electricity distributors, such as Alectra Utilities, to develop its business plan and distribution system plan, as well as make spending and investment decisions based on customer feedback.

Electricity distributors are funded by the distribution rates paid by their customers. Periodically, distributors are required to file rate applications with the OEB to justify the amount of funding they need to safely and reliably distribute electricity to their customers.

Before this survey, how familiar were you with how electricity distrubtion rates are set in Ontario?

Would you say you are … [**READ LIST**]

01	Very familiar and could explain the process to others in details
02	Somewhat familiar, but didn't know how much about the process
03	Not familiar at all with the process of how electricity distrubtion rates are set
98	Don't know (**DNR**)
99	Refused (**DNR**)

ICM intro PREAMBLE

E20. Alectra Utilities is now starting to create it's first overall investment plan as a merged utility. The OEB divides electricity distributor investments into four categories. One category called system access includes investments that are mandatory under the distributor's licence to operate. These include reasonable costs to connect new customers and moving existing infrastructure to accommodate civic improvements.

The spending in the other three categories involves finding the right balance between the impact on your bill and the service you receive. We would now like ask a few questions about your preferences when it comes to finding the right balance between costs and other outcomes.

I want to start by asking you about system renewal, that is the projects that replace aging electrical infrastructure.

E21. [**PREAMBLE**]While **PowerStream** works hard to prolong the life of the assets that make up its distribution system, eventually these assets reach the end of their useful life and require replacement. Currently the average customer experiences 1.1 outages a year for an average of 57 minutes. When adjusted to remove outages due to loss of supply from the transmission system and major storms, 42% of unscheduled outages are as a result of equipment failure in the PowerStream rate zone. However, it is not possible to predict exactly when a specific piece of aging equipment will fail. PowerStream must decide the pace at which it replaces this aging equipment.

E22. Which of the following statements best represents your point of view?
[Read and Rotate statements 1 and 2]

01	**PowerStream** should invest what it takes to replace the system's aging infrastructure to maintain system reliability; even if that increases my monthly electricity bill by a few dollars over the next few years.
02	**PowerStream** should defer its estimated investment in replacing aging infrastructure to lessen the impact of any bill increase; even if this could eventually lead to more or longer power outages.
98	Don't know (**DNR**)
99	Refused (**DNR**)

General Plant

E23. As a company, **PowerStream** needs facilities to house staff and equipment, vehicles and tools to service electrical infrastructure, and IT systems to manage the distribution system and customer information..

Which of the following statements best represents your point of view?
[Read and Rotate statements 1 and 2]

01	**PowerStream** should find ways to make do with the facilities, equipment, vehicles and IT systems it already has.
02	**PowerStream** should make the investments necessary to ensure its staff have the equipment and IT systems they need to manage the system efficiently and reliably
98	Don't know (**DNR**)
99	Refused (**DNR**)

System Service Questions

E24. With growth in various parts of the PowerStream service area comes greater demand for electricity. This increased demand for electricity puts increased pressure on the existing electrical infrastructure. Eventually, further infrastructure investments will be required to support increased demand for electricity.

With this in mind, which of the following statements best represents your point of view?

[Read and Rotate statements 1 and 2]

01	To help keep rate increases down, **PowerStream** should delay investments in system capacity needs until customers start to experience a decline in reliability.
02	**PowerStream** should proactively invest in system capacity infrastructure to ensure customers in high growth areas do not experience a decrease in reliability, even if this adds a small increase to customer bills.
98	Don't know (**DNR**)
99	Refused (**DNR**)

Modernizing the Distribution System.

E25. **[PREAMBLE]** There are new technoglogies that **PowerStream** can implement such as microgrids, electricity storage, and automatic swithces that can give customers more choices, improve reliaiblity or reduce the impact on the environment.

These investments would create a better grid, but are not required to maintain the reliability that you experience today.

Which of the following statements best represent your point of view?
[**READ LIST; rotate 01 and 02**]

01	**PowerStream** should invest in the benefits of modernization now, even if that means customers will have to pay bit more on their distribution rates in the near future.
02	**PowerStream** should keep rate increases down by modernizing as part of the normal replacement of aging equipment, even though that means delaying the benefits of modernization.
98	Don't know [**DNR**]
99	Refused [**DNR**]

E26. As we mentioned earlier, the rates you pay to PowerStream are set by the OEB through a public process. PowerStream's current rates were approved in a 2017 application and will be in place until 2027. Each year PowerStream is permitted to increase rates to reflect inflation minus savings targets established by the OEB which requires PowerStream to keep cost increases below inflation.

Before this survey, how familiar were you with the OEB requirement for PowerStream to find savings every year?

Would you say you are … [**READ LIST**]

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know (**DNR**)
99	Refused (**DNR**)

ICM rate impact

E27. *Now let's turn to our final topic – possible new projects.* As part of the OEB policies, there is an option for PowerStream to apply for additional rate increases for discrete projects projects that are prudent, needed and not supported by existing rates. Looking ahead to 2019, PowerStream has identified three projects that need more investment than the existing budget allows.

One project involves relocating six major feeder lines and the accompanying metering equipment to accommodate the rebuild of a major Transmission substation. PowerStream is using the lowest cost option to complete this project.

The second project involves relocating poles and wires as part of the York Region Rapid Transit VIVA bus projects. There are no major design choices in this project.

E28. Would you like me to repeat the description of these projects or may I move on to a third project?

[**IF ASKED TO REPEAT**; "*One project involves relocating six major feeder lines and the accompanying metering equipment to accommodate the rebuild of a major Transmission substation. PowerStream is using the lowest cost option to complete this project.*

The second project involves relocating poles and wires as part of the York Region Rapid Transit VIVA bus projects. There are no major design choices in this project."

01	Repeat	
02	Continue	
98	Don't know [**DNR**]	
99	Refused [**DNR**]	

E29. The third project involves relocating both overhead and underground wires and supporting equipment as part of the Bathurst Street road widening from Highway 7 to Teston road.

Powerstream has two options for this project. It can (ROTATE)

- move the current mix of overhead and underground wires and equipment at a cost of $5.5 million dollars, OR
- replace the overhead system with an underground system for better protection against weather and collisions from vehicles at a cost of between $25 and $35 million dollars.

Given earlier customer feedback emphasing the need to keep rate increases down, PowerStream is currently planning on taking the first option - to move the current mix of overhead and underground wires and equipment

Which option do you prefer? [**ROTATE 1 and 2**]

01	Move the current mix of overhead and underground wires and equipment at a cost of $5.5 million dollars, resulting in a monthly increase of **11 cents** for the average small business customer.	
02	Replace the overhead system with an underground system at a cost of between $25 and $35 million dollars, resulting in a monthly increase of between **51 cents and 72 cents** for the average small business customer	
98	Don't know [**DNR**]	
99	Refused [**DNR**]	

E30. As I mentioned earlier, each year PowerStream is permitted to increase rates to reflect inflation minus a stretch factor which requires PowerStream to find savings to keep cost increases below inflation. In order to maintain the existing plan to replace aging infrastructure and complete the mandatory projects previously discussed, PowerStream would need to add a **43 cent charge** to the typical small business customers monthly electricity bill, from 2019 to 2016.

E31. That would result in an annual increase of **$5.16 each year** over the course of the next eight years – *totalling $41.28 over that period*.

What is your opinion on this proposed rate increase in 2019? Would you say … [**READ LIST; ROTATE 1 and 2**]

01	The proposed rate increase is reasonable	
02	The proposed rate increase is unreasonable	
98	Don’t know [**DNR**]	
99	Refused [**DNR**]	

F. SEGMENTATION & DEMOGRAPHICS

Lastly, I'd like to ask you some general questions about the electricity system in Ontario.
For each statement please tell me if you would strongly agree, somewhat agree, somewhat disagree or strongly disagree. If you don't know enough to say or don't have an opinion just let me know.

01	Strongly agree
02	Somewhat agree
03	Somewhat disagree
04	Strongly disagree
98	Don't know/ No opinion (DO NOT READ)
99	Refused (DO NOT READ)

[ROTATE]

F32. The cost of my electricity bill has a major impact on the bottom line of my organization and results in some important spending priorities and investments being put off.

F33. Customers are well served by the electricity system in Ontario.

[END BATTERY]

These last few questions are for statistical purposes only.

F34. Which of the following best describes the sector in which your organization operates?

Restaurant	1
Retail	2
Commercial	3
Multi-unit residential	4
Hospitality (i.e. catering, hotel operations)	5
Manufacturing/Warehousing	6
Other [Please specify: _______________]	88
Don't know / Refused (**DNR**)	98

H38. Which of the following best describes the hours of operation of your organization? Would you say … [**READ LIST**]

We are open 24/7	1
We operate several shifts each day, but are not open 24/7	2
We operate during regular business hours only	3
We operate outside of regular business hours, but do not have shifts	4
Other (please specify): _______________________	88
Don't know / Refused (**DNR**)	98

THANK and END SURVEY

Thank you very much for taking the time to complete this survey.

Appendix 3.7

Powerstream

Mid-Sized Business Ratepayer Survey

2019 ICM Customer Engagement

Date: May 2018

Prepared by:

Innovative Research Group, Inc.
www.innovativeresearch.ca

Vancouver
888 Dunsmuir Street, Suite 350
Vancouver BC | V6C 3K4

Toronto
56 The Esplanade, Suite 310
Toronto, Ontario | M5E 1A7

Mid-Sized Business Ratepayer Survey

Internal Questionnaire Notes

Method: Telephone, client provided list
Questionnaire Length: 10 minutes
Language: English
Sample Frame: Representative; n=200 GS>50kW customers
Calling Times: Weekdays 9am-5pm

Sample Variables

1. **Postal Code**
2. **Total Annual Electricity Consumption** *(total consumption between 1-Jan-2016 and 31-Dec-2016)*

The survey will follow a stratified random sampling methodology. This is a method of sampling that involves the division of a population into smaller groups known as strata. In stratified random sampling, the strata are formed based on members' shared attributes or characteristics (in this case, customer service area or electricity usage). A random sample from each stratum is taken in a number proportional to the stratum's size when compared to the customer population. These subsets of the strata are then pooled to form a random sample.

In this survey, customers will be divided into quartiles based on annual electricity usage to ensure the sample has a proportionate mix of customers from low, medium-low, medium-high, and high electricity usage households/low-volume businesses.

The table below illustrates the strata divisions:

Customer Sample Strata Divisions (Quotas):

GS>50kW Customers	% Dist	Sample	Quartile 1	Quartile 2	Quartile 3	Quartile 4
Aurora	5%	11	3	3	3	3
Barrie	15%	30	8	8	8	8
Bradford	3%	5	1	1	1	1
Markham	28%	56	14	14	14	14
Richmond Hill	17%	35	9	9	9	9
Vaughan	26%	52	13	13	13	13
Other	6%	11	3	3	3	3
Total	**100%**	**200**	**50**	**50**	**50**	**50**

A. SCREENING AND QUALIFICATIONS

Introduction

Hello, may I please speak to the person who is in charge of managing the electricity bill at your organization?

Yes <**speaking**>		**[go to INTRO]**
Yes <**transferred to contact**>		**[go to INTRO]**
No <**not available**>	"When is a good time to callback?	**[record callback time]**
No <**not interested in talking**>		**[THANK & TERMINATE]**

INTRO.

A1. Hello, my name is ______________ and I'm calling from Innovative Research Group on behalf of **PowerStream**, your electricity distributor.

Innovative Research Group is a national public opinion research firm. **We need your input on choices that will affect the service you receive from PowerStream and the price you pay for that service.** Your answers will be combined with others to protect your privacy.

The survey should take about 10 minutes.

Can I please speak to the person who is in-charge of managing the electricity bill at your organization?

1) Yes, speaking <**contact on the line**>	**[skip to A2]**
2) Yes <**transferred to contact**>	**[skip to A2]**
3) No <**not the right contact person**>	**[GO to "NEW"]**
4) No <**busy**> "When is a good time to callback?"	**[record callback time]**
5) Maybe <**may I ask who is calling?**>	**[skip to GATE]**

NEW. And … can I have their …

First Name ___________
Last Name ___________
Title/Position _________
Phone Number _________

ASK to be transferred …

- **if transferred → go to A2**
- **if not transferred → Thank & Add to Callback List**

GATE. Hello, my name is ____________ and I'm calling on behalf of PowerStream, your local electricity utility.

INTERVIEWER NOTE: If gatekeeper asks the purpose of call → I'd like to ask the person in-charge of managing the electricity bill at your organization a few questions concerning a **PowerStream** customer consultation.

1) Yes <**transferred to contact**>		**[skip to A2]**
2) No <**not available**>	"*When is a good time to callback*?	**[record call-back time and go to "NEW"]**
3) No <**not interested in talking**>		**[Thank & Terminate]**

A1 QUAL PREAMBLE:

Read preamable again, if transferred to new person:

Hello, my name is ____________ and I'm calling on behalf of PowerStream, your local electricity utility.

Innovative Research is a national public opinion research firm**.** We have been hired by **PowerStream** to help them better understand the needs and preferences of non-residential customers who are responsible for paying their organization's electricity bill.

A2. Can I have roughly **10 minutes** of your time to ask you some questions? All your responses will be kept strictly confidential.

Yes – I don't mind	1	[CONTINUE]
No – Not primary bill payer (i.e. not best person to speak to)	2	[go to TRANSFER]
No – BAD TIME	3	[ARRANGE CALLBACK]
No – HARD REFUSAL	4	[THANK & TERMINATE]

MONIT [INTERNAL]

This call may be monitored or audio taped for quality control and evaluation purposes.

PRESS TO CONTINUE	1

A3. Can you confirm that your organization receives an electricity or hydro bill from **PowerStream or Alectra Utilities**?

YES	1	[CONTINUE]
NO	2	[THANK & TERMINATE]
DK (volunteered)	98	[THANK & TERMINATE]

Only those in charge of managing/overseeing organizations electricity bill will be interviewed.

A4. As part of your job, are you in charge of managing or overseeing your organization's electricity or hydro bill?

YES	1		[CONTINUE]
NO	2	"Can I speak to the person who manages your organization's electricity bill?"	[Return to **NEW**]
DK	3	"Can I speak to the person who manages your organization's electricity bill?"	[Return to **NEW**]

TRANSFER

Can I please speak to the person who is in-charge of managing the electricity bill at your organization?

Yes	1	[BACK TO *INTRO*]
No – NOT AVAILABLE/BAD TIME – (ARRANGE CALLBACK)	2	[ARRANGE CALLBACK]
No – HARD REFUSAL	3	[THANK & TERMINATE]
Don't know (**DNR**)	98	[THANK & TERMINATE]

B. GENERAL SATISFACTION

B5. You may have recently heard that **Powerstream** has merged with neighbouring electricity distributors to form a new company called **Alectra Utilities.**

Had you heard of the **Alectra Utilities** merger before this survey?

01	Yes
02	No
98	Don't know (**DNR**)
99	Refused (**DNR**)

B6. Regardless of whether you've heard of the recent merger or not, today I'm going to use the old name, **PowerStream**.

So, throughout this survey, references to "**PowerStream**" simply refers to the distribution system, formerly served by **PowerStream**, now being served by **Alectra Utilities.**

Today we'd like to talk to you about four things. First, we will talk about your experience with PowerStream. Second, we will talk about the outcomes that matter most to you. Third, we will talk about some trade-offs in planning future investments. And finally, we will talk about some projects that PowerStream could undertake in the next year.

B7. First, let's talk about your experience. As you may know, **PowerStream** operates and maintains the local electricity distribution system in this area. This is the system that takes the electricity from provincial transmission lines and brings it to your business through a network of wires, poles and other equipment that is owned and operated by **PowerStream.**

How familiar are you with **PowerStream**? Would you say you are *very familiar*, *somewhat familiar*, or *not familiar at all*?

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know (**DNR**)
99	Refused (**DNR**)

B8. In general, how satisfied or dissatisfied are you with the services you receive from **Powerstream**? Would you say you are *very satisfied, somewhat satisfied, somewhat dissatisfied, or very dissatisfied*?

01	Very satisfied
02	Somewhat satisfied
03	Neither satisfied or dissatisfied
04	Somewhat dissatisfied
05	Very dissatisfied
98	Don't know (**DNR**)
99	Refused (**DNR**)

B9. Is there anything in particular **Powerstream** can do to improve its service to you? [**OPEN**]

98	Don't know (**DNR**)
99	Refused (**DNR**)

B10. I'd now like to talk with you about your electricity bill …

While **Powerstream** is responsible for collecting payment for the entire electricity bill, they retain about **9%** of the typical mid-sized business customer's bill. This is about **$1,231.50** on an average **$14,310** monthly mid-sized business electricity bill. The rest of the bill goes to power generation companies, transmission companies, the provincial government and regulatory agencies.

Before this survey, how familiar were you with the percentage of your organization's electricity bill that is retained by **Powerstream**? Would you say… [**READ LIST**]

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't Know [DO NOT READ]
99	Refused (DO NOT READ)

C. CUSTOMER PRIORITIES

C11. READ PREAMBLE

Now lets talk about our second topic – outcomes. **Powerstream** regularly holds discussions with its customers to better understand how it should set spending priorities with the money customers pay for service.

In recent conversations with customers, a number of company goals were identified as key priorities for **Powerstream**.

C12. Among the following **Powerstream** priorities, please tell me which one is most important to you.

[READ OPTIONS; RANDOMIZE LIST]

01	Delivering reasonable electricity distribution prices.
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03	Providing new electricity services (for example: electricity storage and distributed generation such as solar panel installation).
04	Helping customers reduce and better manage their electricity consumption.
05	Minimizing impact on the environment.
06	Ensuring the safety of electricity infrastructure
07	Providing quality customer service
98	Don't Know [DO NOT READ]

C13. What is the next most important priority you think Powerstream should focus on? [**If C12=98 Skip to C15**]

[**Remove answer from C12 if asked to read again**]

C14. And what do you consider the third most important priority? [**If C13=98 Skip to C15**]

[**Remove answer from C12 and C13 if asked to read again**]

C15. Are there any other important priorities that **Powerstream** should be focusing on that weren't included in the previous list I read to you? [**OPEN**]

D. SYSTEM RELIABILITY

D16. We would like to understand your experience with reliability.

There are different outcomes when customers talk about power reliability.

Among the following reliability outcomes, please tell me which one is most important to you.

01	Reducing the overall number of outages
02	Reducing the overall length of outages
03	Reducing the number of outages during extreme weather events
04	Reducing the length of time to restore power during extreme weather events
05	Improving the quality of power, as judged by momentary interruptions in power that can result in the flickering or dimming of lights

D17. What is the next most important reliability outcome for you?

[**Remove answer from D16 if asked to read again**]

D18. And what do you consider the third most important reliability outcome?

[**Remove answer from D16 and D17 if asked to read again**]

E. Investment Trade-Offs

How are electricity distribution rates set in Ontario?

E19. Now, lets turn to our third topic, investment trade-offs.

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Before this survey, how familiar were you with how electricity distrubtion rates are set in Ontario?

Would you say you are ... [**READ LIST**]

01	Very familiar and could explain the process to others in details
02	Somewhat familiar, but didn't know how much about the process
03	Not familiar at all with the process of how electricity distrubtion rates are set
98	Don't know (**DNR**)
99	Refused (**DNR**)

ICM intro PREAMBLE

E20. Alectra Utilities is now starting to create it's first overall investment plan as a merged utility. The OEB divides electricity distributor investments into four categories. One category called system access includes investments that are mandatory under the distributor's licence to operate. These include reasonable costs to connect new customers and moving existing infrastructure to accommodate civic improvements.

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I want to start by asking you about system renewal, that is the projects that replace aging electrical infrastructure.

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E22. Which of the following statements best represents your point of view?
[Read and Rotate statements 1 and 2]

01	**PowerStream** should invest what it takes to replace the system's aging infrastructure to maintain system reliability; even if that increases my monthly electricity bill by a few dollars over the next few years.
02	**PowerStream** should defer its estimated investment in replacing aging infrastructure to lessen the impact of any bill increase; even if this could eventually lead to more or longer power outages.
98	Don't know (**DNR**)
99	Refused (**DNR**)

General Plant

E23. As a company, **PowerStream** needs facilities to house staff and equipment, vehicles and tools to service electrical infrastructure, and IT systems to manage the distribution system and customer information..

Which of the following statements best represents your point of view?
[Read and Rotate statements 1 and 2]

01	**PowerStream** should find ways to make do with the facilities, equipment, vehicles and IT systems it already has.
02	**PowerStream** should make the investments necessary to ensure its staff have the equipment and IT systems they need to manage the system efficiently and reliably
98	Don't know (**DNR**)
99	Refused (**DNR**)

System Service Questions

E24. With growth in various parts of the PowerStream service area comes greater demand for electricity. This increased demand for electricity puts increased pressure on the existing electrical infrastructure. Eventually, further infrastructure investments will be required to support increased demand for electricity.

With this in mind, which of the following statements best represents your point of view?

[Read and Rotate statements 1 and 2]

01	To help keep rate increases down, **PowerStream** should delay investments in system capacity needs until customers start to experience a decline in reliability.
02	**PowerStream** should proactively invest in system capacity infrastructure to ensure customers in high growth areas do not experience a decrease in reliability, even if this adds a small increase to customer bills.
98	Don't know (**DNR**)
99	Refused (**DNR**)

Modernizing the Distribution System.

E25. **[PREAMBLE]** There are new technoglogies that **PowerStream** can implement such as microgrids, electricity storage, and automatic swithces that can give customers more choices, improve reliaiblity or reduce the impact on the environment.

These investments would create a better grid, but are not required to maintain the reliability that you experience today.

Which of the following statements best represent your point of view?
[**READ LIST; rotate 01 and 02**]

01	**PowerStream** should invest in the benefits of modernization now, even if that means customers will have to pay bit more on their distribution rates in the near future.
02	**PowerStream** should keep rate increases down by modernizing as part of the normal replacement of aging equipment, even though that means delaying the benefits of modernization.
98	Don't know [**DNR**]
99	Refused [**DNR**]

E26. As we mentioned earlier, the rates you pay to PowerStream are set by the OEB through a public process. PowerStream's current rates were approved in a 2017 application and will be in place until 2027. Each year PowerStream is permitted to increase rates to reflect inflation minus savings targets established by the OEB which requires PowerStream to keep cost increases below inflation.

Before this survey, how familiar were you with the OEB requirement for PowerStream to find savings every year?

Would you say you are … [**READ LIST**]

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know (**DNR**)
99	Refused (**DNR**)

ICM rate impact

E27. *Now let's turn to our final topic – possible new projects.* As part of the OEB policies, there is an option for PowerStream to apply for additional rate increases for discrete projects projects that are prudent, needed and not supported by existing rates. Looking ahead to 2019, PowerStream has identified three projects that need more investment than the existing budget allows.

One project involves relocating six major feeder lines and the accompanying metering equipment to accommodate the rebuild of a major Transmission substation. PowerStream is using the lowest cost option to complete this project.

The second project involves relocating poles and wires as part of the York Region Rapid Transit VIVA bus projects. There are no major design choices in this project.

E28. Would you like me to repeat the description of these projects or may I move on to a third project?

[**IF ASKED TO REPEAT**; "*One project involves relocating six major feeder lines and the accompanying metering equipment to accommodate the rebuild of a major Transmission substation. PowerStream is using the lowest cost option to complete this project.*

The second project involves relocating poles and wires as part of the York Region Rapid Transit VIVA bus projects. There are no major design choices in this project."

01	Repeat	
02	Continue	
98	Don't know [**DNR**]	
99	Refused [**DNR**]	

E29. The third project involves relocating both overhead and underground wires and supporting equipment as part of the Bathurst Street road widening from Highway 7 to Teston road.

Powerstream has two options for this project. It can (ROTATE)

- move the current mix of overhead and underground wires and equipment at a cost of $5.5 million dollars, OR
- replace the overhead system with an underground system for better protection against weather and collisions from vehicles at a cost of between $25 and $35 million dollars.

Given earlier customer feedback emphasing the need to keep rate increases down, PowerStream is currently planning on taking the first option - to move the current mix of overhead and underground wires and equipment

Which option do you prefer? [**ROTATE 1 and 2**]

01	Move the current mix of overhead and underground wires and equipment at a cost of $5.5 million dollars, resulting in a monthly increase of **$2.64** for the average mid-sized business customer.	
02	Replace the overhead system with an underground system at a cost of between $25 and $35 million dollars, resulting in a monthly increase of between **$11.98 and $16.78** for the average mid-sized business customer	
98	Don't know [**DNR**]	
99	Refused [**DNR**]	

E30. As I mentioned earlier, each year PowerStream is permitted to increase rates to reflect inflation minus a stretch factor which requires PowerStream to find savings to keep cost increases below inflation. In order to maintain the existing plan to replace aging infrastructure and complete the mandatory projects previously discussed, PowerStream would need to add a **$10.03 charge** to the typical mid-sized business customers monthly electricity bill, from 2019 to 2026.

E31. That would result in an annual increase of **$120.36 each year** over the course of the next eight years – *totalling $962.88 over that period*.

What is your opinion on this proposed rate increase in 2019? Would you say ... [**READ LIST; ROTATE 1 and 2**]

01	The proposed rate increase is reasonable	
02	The proposed rate increase is unreasonable	
98	Don't know [**DNR**]	
99	Refused [**DNR**]	

F. SEGMENTATION & DEMOGRAPHICS

Lastly, I'd like to ask you some general questions about the electricity system in Ontario.
For each statement please tell me if you would strongly agree, somewhat agree, somewhat disagree or strongly disagree. If you don't know enough to say or don't have an opinion just let me know.

01	Strongly agree
02	Somewhat agree
03	Somewhat disagree
04	Strongly disagree
98	Don't know/ No opinion (DO NOT READ)
99	Refused (DO NOT READ)

[ROTATE]

F32. The cost of my electricity bill has a major impact on the bottom line of my organization and results in some important spending priorities and investments being put off.

F33. Customers are well served by the electricity system in Ontario.

[END BATTERY]

These last few questions are for statistical purposes only.

F34. Which of the following best describes the sector in which your organization operates?

Restaurant	1
Retail	2
Commercial	3
Multi-unit residential	4
Hospitality (i.e. catering, hotel operations)	5
Manufacturing/Warehousing	6
Other [Please specify: _______________]	88
Don't know / Refused (**DNR**)	98

H38. Which of the following best describes the hours of operation of your organization? Would you say … [**READ LIST**]

We are open 24/7	1
We operate several shifts each day, but are not open 24/7	2
We operate during regular business hours only	3
We operate outside of regular business hours, but do not have shifts	4
Other (please specify): ______________________	88
Don't know / Refused (**DNR**)	98

THANK and END SURVEY

Thank you very much for taking the time to complete this survey.

Appendix 3.8

PowerStream
Key Accounts (2MW+ Customers) Online Survey

2019 ICM Customer Engagement

Date: May 2018

Prepared by:

Innovative Research Group, Inc.
www.innovativeresearch.ca

Vancouver
888 Dunsmuir Street, Suite 350
Vancouver BC | V6C 3K4

Toronto
56 The Esplanade, Suite 310
Toronto, Ontario | M5E 1A7

Internal Questionnaire Notes

Method: Online
Questionnaire Length: approximately 10 minutes
Language: English
Sample Frame: Large User 2MW+ (client list provided)
Sample Size: estimated 25% response rate
Field Date: May 15-25, 2018

Sample Variables

- **Contact Name**
- **Contact Email**
- **Company**
- **Average Peak Demand** (based on 2017 calendar year)
- **Average Monthly Bill** (based on 2017 calendar year)
- **Sector** (e.g. MURB, MASH, Commercial, Industrial or Institutional)

Email Introduction

This email to come from INNOVATIVE.
SUBJECT LINE: Alectra Utilities Customer Feedback Survey
FROM: Innovative Research Group <survey@innovativeresearch.ca>

Dear [e_PIPE_CN],

Alectra Utilities has commissioned **Innovative Research Group** (www.innovativeresearch.ca) to conduct a survey of all its **largest customers**.

The purpose of this survey is to help Alectra Utilities align its business planning with customer preferences and needs. Your feedback will help guide how Alectra Utilities uses ratepayer dollars to make future investment and spending decisions.

Only one representative per customer is being asked to participate in this important survey, so your response is singularly important. If you choose to delegate the completion of this survey, please refrain from multiple assignments, and assign this survey to a single staff member who is well-informed about your organization's electricity consumption and operations management.

We hope that you have a few minutes to complete this important survey so we can incorporate your input into Alectra Utilities' business planning process.

Your responses will be completely anonymous and your organization will not be identified to Alectra Utilities. To ensure your anonymity, your survey answers will be combined with those of other key account respondents to this survey.

The online survey will take about **10 minutes** to complete. To participate in the online survey, please click on the URL below, or copy and paste it into the address bar in your browser:
<unique URL>

We appreciate you taking the time to complete this survey.

Sincerely,
Innovative Research Group

- on behalf of -

Eileen Campbell
Vice President Customer Service
Alectra Utilities Corporation
E: Eileen.Campbell@alectrautilties.com
T: 905-317-4736

If you have any problems accessing the site, please contact Innovative Research Group's online panel support team at survey@innovativeresearch.ca.

A. INTRODUCTION

Thank you for participating in this online survey.

Innovative Research Group is a national public opinion research and consultation firm**. Alectra Utilities** has hired us to help it better understand the needs and preferences of its largest customers – customers like you – as well as identify the priorities where you think they should focus their resources.

This survey should take you **approximately 10 minutes** to complete and your answers will be combined with others to protect your confidentiality. While we've been provided your name and email address, no information that could be used to identify you or your company will be shared with Alectra Utilities.

Please answer all questions to the best of your ability. When answering the questions, please provide us with the response that holds most true for you. If you're unsure of how to answer a question or feel you don't know, please use the "don't know" or equivalent option.

Again, all information provided will be treated confidentially.

Note: *While you may be an Alectra Utilities residential customer, for the purposes of this survey, please answer the questions from the perspective of the business or organization that you represent.*

*Also, you may manage multiple facilities and receive multiple bills from Alectra Utilities. However, for this survey, please answer the questions with [**p_PIPE1**]'s facility, located at **[p_PIPE_ A],** in mind.*

Thank you for your time,

Innovative Research Group

Click here for the **Innovative Research Group Inc.'s** privacy policy.

Page break.

A1. PLACEHOLDER

A2. PLACEHOLDER

A3. PLACEHOLDER

A4. PLACEHOLDER

B. GENERAL SATISFACTION

B5. You may have recently heard that **PowerStream** has merged with neighbouring electricity distributors to form a new company called **Alectra Utilities.**

Had you heard of the **Alectra Utilities** merger before this survey?

01	Yes
02	No

B6. Regardless of whether you've heard of the recent merger or not, today I'm going to use the old name **"PowerStream"**.

So, throughout this survey, references to "**PowerStream**" simply refers to the distribution system in the communities formerly served by **PowerStream**, now being served by **Alectra Utilities.**

This survey will review four topics:

1. Your experience with PowerStream.
2. Outcomes that matter most to you.
3. Your preference on trade-offs in planning future investments
4. Your preferences on projects that PowerStream could undertake in the next year.

Page break.

B7. Let's begin with our first topic: **your customer experience**.

As you may know, **PowerStream** operates and maintains the local electricity distribution system in Mississauga. This is the system that takes the electricity from provincial transmission lines and brings it to your business through a network of wires, poles and other equipment that is owned and operated by **PowerStream.**

How familiar are you with **PowerStream**?

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know

B8. In general, how satisfied or dissatisfied are you with the services your organization receives from **PowerStream**?

01	Very satisfied
02	Somewhat satisfied
03	Neither satisfied or dissatisfied
04	Somewhat dissatisfied
05	Very dissatisfied
98	Don't know

B9. Is there anything in particular **PowerStream** can do to improve its service to your organization? [**OPEN**]

98	Don't know

Page break.

B10. The next question is specifically about [**p_PIPE1**]'s electricity bill.

While **PowerStream** is responsible for collecting payment for the entire electricity bill, they retain about **[p_PIPE2]** of your organization's bill. This is about **[p_PIPE3]** on your average **[p_PIPE4]** monthly electricity bill. The rest of the bill goes to power generation companies, transmission companies, the provincial government and regulatory agencies.

Before this survey, how familiar were you with the percentage of your organization's electricity bill that is retained by **PowerStream**?

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know

Page break.

C. CUSTOMER PRIORITIES

C11. Now lets turn to our second topic: **outcomes**.

PowerStream regularly holds discussions with its customers to better understand how it should set spending priorities with the money customers pay for service.

In recent conversations with customers, a number of company goals were identified as key priorities for **PowerStream**.

C12. Please rank your Top 3 priorities from the list below.

Drag and drop the priorities in order, starting with the priority most important to you, followed by the second most important, and ending with the third most important.

01	Delivering reasonable electricity distribution prices.
02	Ensuring reliable electrical service.
03	Providing new electricity services (for example: electricity storage and distributed generation such as solar panel installation).
04	Helping customers reduce and better manage their electricity consumption.
05	Minimizing impact on the environment.
06	Ensuring the safety of electricity infrastructure
07	Providing quality customer service

C13. Place holder.

C14. Place holder.

C15. Are there any other important priorities that **PowerStream** should be focusing on that weren't included in the previous list? [**OPEN**]

98	Don't know

Page break.

D. SYSTEM RELIABILITY

D16. We would like to understand your experience with reliability.

There are different outcomes when customers talk about power reliability.

Among the following reliability outcomes, please rank the **3 most important** from the list below.

Drag and drop the priorities in order, starting with the priority most important to you, followed by the second most important, and ending with the third most important.

01	Reducing the overall number of outages
02	Reducing the overall length of outages
03	Reducing the number of outages during extreme weather events
04	Reducing the length of time to restore power during extreme weather events
05	Improving the quality of power, as judged by momentary interruptions in power that can result in the flickering or dimming of lights

D17. Place holder.

D18. Place holder.

Page break.

E. INVESTMENT TRADE-OFFS

How are electricity distribution rates set in Ontario?

E19. Now, lets turn to our third topic: **investment trade-offs.**

The electricity industry in Ontario is regulated by the Ontario Energy Board (OEB). The OEB sets electricity rates in Ontario.

The OEB requires electricity distributors, such as Alectra Utilities, to develop its business plan and distribution system plan, as well as make spending and investment decisions based on customer feedback.

Electricity distributors are funded by the distribution rates paid by their customers. Periodically, distributors are required to file rate applications with the OEB to justify the amount of funding they need to safely and reliably distribute electricity to their customers.

Before this survey, how familiar were you with how electricity distrubtion rates are set in Ontario?

01	Very familiar and could explain the process to others in details
02	Somewhat familiar, but didn't know how much about the process
03	Not familiar at all with the process of how electricity distrubtion rates are set
98	Don't know

Page break.

ICM intro PREAMBLE

E20. **Alectra Utilities is now starting to create it's first overall investment plan as a merged utility.** The OEB divides electricity distributor investments into four categories. One category called system access includes investments that are mandatory under the distributor's licence to operate. These include reasonable costs to connect new customers and moving existing infrastructure to accommodate civic improvements.

The spending in the other three categories involves finding the right balance between the impact on your bill and the service you receive.

The next few questions are about your preferences when it comes to finding the right balance between costs and other outcomes.

The first projects involve **system renewal**: these are the projects that replace aging electrical infrastructure.

E21. While **PowerStream** works hard to prolong the life of the assets that make up its distribution system, eventually these assets reach the end of their useful life and require replacement. Currently the average customer experiences **1.1 outages a year for an average of 57 minutes**.

When adjusted to remove outages due to loss of supply from the transmission system and major storms, 42% of unscheduled outages are as a result of equipment failure in the PowerStream rate zone. However, it is not possible to predict exactly when a specific piece of aging equipment will fail. **PowerStream** must decide the pace at which it replaces this aging equipment.

E22. With this in mind, which of the following statements best represents your point of view? **[Rotate statements 1 and 2]**

01	**PowerStream** should invest what it takes to replace the system's aging infrastructure to maintain system reliability; even if that increases my monthly electricity bill by a few dollars over the next few years.
02	**PowerStream** should defer its estimated investment in replacing aging infrastructure to lessen the impact of any bill increase; even if this could eventually lead to more or longer power outages.
98	Don't know

Page break.

General Plant

E23. As a company, **PowerStream** needs facilities to house staff and equipment, vehicles and tools to service electrical infrastructure, and IT systems to manage the distribution system and customer information..

With this in mind, which of the following statements best represents your point of view? **[Rotate statements 1 and 2]**

01	**PowerStream** should find ways to make do with the facilities, equipment, vehicles and IT systems it already has.
02	**PowerStream** should make the investments necessary to ensure its staff have the equipment and IT systems they need to manage the system efficiently and reliably
98	Don't know

System Service Questions

E24. With growth in various parts of the **PowerStream** service area comes greater demand for electricity. This increased demand for electricity puts increased pressure on the existing electrical infrastructure. Eventually, further infrastructure investments will be required to support increased demand for electricity.

With this in mind, which of the following statements best represents your point of view?

[Rotate statements 1 and 2]

01	To help keep rate increases down, **PowerStream** should delay investments in system capacity needs until customers start to experience a decline in reliability.
02	**PowerStream** should proactively invest in system capacity infrastructure to ensure customers in high growth areas do not experience a decrease in reliability, even if this adds a small increase to customer bills.
98	Don't know

Modernizing the Distribution System.

E25. There are new technoglogies that **PowerStream** can implement such as microgrids, electricity storage, and automatic swithces that can give customers more choices, improve reliaiblity or reduce the impact on the environment.

These investments would create a better grid, but are not required to maintain the reliability that you experience today.

With this in mind, which of the following statements best represents your point of view?

[Rotate statements 1 and 2]

01	**PowerStream** should invest in the benefits of modernization now, even if that means customers will have to pay bit more on their distribution rates in the near future.
02	**PowerStream** should keep rate increases down by modernizing as part of the normal replacement of aging equipment, even though that means delaying the benefits of modernization.
98	Don't know

Page break.

E26. As we mentioned earlier, the rates you pay to PowerStream are set by the OEB through a public process. PowerStream's current rates were approved in a 2017 application and will be in place until 2027.

Each year PowerStream is permitted to increase rates to reflect inflation minus savings targets established by the OEB which requires PowerStream to keep cost increases below inflation.

Before this survey, how familiar were you with the OEB requirement for **PowerStream** to find savings every year?

01	Very familiar
02	Somewhat familiar
03	Not familiar at all
98	Don't know

Page break.

ICM rate impact

E27. Now let's turn to our final topic – **possible new projects**.

As part of the OEB policies, there is an option for PowerStream to apply for additional rate increases for discrete projects that are prudent, needed and not supported by existing rates. Looking ahead to 2019, PowerStream has identified **three projects** that need more investment than the existing budget allows.

The first project involves relocating six major feeder lines and the accompanying metering equipment to accommodate the rebuild of a major Transmission substation. PowerStream is using the lowest cost option to complete this project.

The second project involves relocating poles and wires as part of the York Region Rapid Transit VIVA bus projects. There are no major design choices in this project.

E28. **The third project** involves relocating both overhead and underground wires and supporting equipment as part of the Bathurst Street road widening from Highway 7 to Teston road.

Powerstream has two options for this project. It can: (ROTATE)

- move the current mix of overhead and underground wires and equipment at a cost of $5.5 million dollars, OR
- replace the overhead system with an underground system for better protection against weather and collisions from vehicles at a cost of between $25 and $35 million dollars.

Given earlier customer feedback emphasing the need to keep rate increases down, PowerStream is currently planning on taking the first option - to move the current mix of overhead and underground wires and equipment

Which option do you prefer? [**ROTATE 1 and 2**]

01	Move the current mix of overhead and underground wires and equipment at a cost of $5.5 million dollars, resulting in a monthly increase of **[p_PIPE5]** to your organization's monthly electricity bill	
02	Replace the overhead system with an underground system at a cost of between $25 and $35 million dollars, resulting in a monthly increase of between **[p_PIPE6] and [p_PIPE7]** to your organization's monthly electricity bill	
98	Don't know	

Page break.

E29. As mentioned earlier, each year **PowerStream** is permitted to increase rates to reflect inflation minus a stretch factor which requires PowerStream to find savings to keep cost increases below inflation.

In order to maintain the existing plan to replace aging infrastructure and complete the mandatory projects previously discussed, PowerStream would need to add a **[p_PIPE8] charge** to your organization's monthly electricity bill, from 2019 to 2026.

E30. That would result in an annual increase of **[p_PIPE9] each year** over the course of the next eight years – *totalling* **[p_PIPE10]** *over that period*.

What is your opinion on this proposed rate increase in 2019? [**ROTATE 1 and 2**]

01	The proposed rate increase is reasonable	
02	The proposed rate increase is unreasonable	
98	Don't know	

Page break.

F. SEGMENTATION & FIRMOGRAPHICS

The last few questions are about the broader electricity system in Ontario.
For each statement please indicate if you agree or disagree.

01	Strongly agree
02	Somewhat agree
03	Somewhat disagree
04	Strongly disagree
98	Don't know/no opinion

[ROTATE]

F34. The cost of my electricity bill has a major impact on the bottom line of my organization and results in some important spending priorities and investments being put off.

F35. Customers are well served by the electricity system in Ontario.

[END BATTERY]

F36. Before this survey concludes, do you have any additional comments or feedback you'd like to share with **Alectra Utilities**?
Note: all feedback is anonymous and you will <u>not</u> be identified to Alectra Utilities without your expressed permission.
[OPEN]

THANK and END SURVEY

Thank you for taking the time to complete this survey.

If you have additional feedback you'd like to share with **Alectra Utilities**, please feel free to contact:

Scott Miller
Director, Customer Care
Alectra Utilities Corporation
Scott.Miller@alectrautilities.com