

**ATTACHMENT 23**  
**PROPOSED TARIFF OF RATES & CHARGES**  
**JANUARY 1, 2021**  
**GUELPH RZ**

**Alectra Utilities Corporation**  
**Guelph Rate Zone**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2020-0002

**RESIDENTIAL SERVICE CLASSIFICATION**

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

**APPLICATION**

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

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

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

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

**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge	\$	30.23
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(0.18)
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until December 31, 2021		
Applicable only for Non-RPP Customers	\$/kWh	(0.0043)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until December 31, 2021	\$/kWh	0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kWh	0.0033
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until December 31, 2021		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0061

**MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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**GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION**

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

**APPLICATION**

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

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

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

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

**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge	\$	17.52
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(0.50)
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0146
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until December 31, 2021		
Applicable only for Non-RPP Customers	\$/kWh	(0.0043)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until December 31, 2021	\$/kWh	0.0004
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kWh	0.0035
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until December 31, 2021		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0065
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0054

**MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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**GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION**

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

**APPLICATION**

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

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

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

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

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

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

**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge	\$	189.96
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(3.80)
Distribution Volumetric Rate	\$/kW	2.8942
Low Voltage Service Rate	\$/kW	0.0121
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until December 31, 2021 Applicable only for Non-RPP Customers	\$/kWh	(0.0043)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until December 31, 2021	\$/kW	0.1029
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021 Applicable only for Non-Wholesale Market Participants	\$/kW	1.1475
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kW	0.1565
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until December 31, 2021 Applicable only for Class B Customers	\$/kW	(0.0440)
Retail Transmission Rate - Network Service Rate	\$/kW	2.7488
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.8512
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.2614
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.3463

**MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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

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

**APPLICATION**

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

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

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

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

**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge	\$	600.89
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(46.33)
Distribution Volumetric Rate	\$/kW	3.2128
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until December 31, 2021		
Applicable only for Non-RPP Customers	\$/kWh	(0.0043)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until December 31, 2021	\$/kW	0.1029
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021		
Applicable only for Non-Wholesale Market Participants	\$/kW	1.4699
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kW	0.1988
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until December 31, 2021		
Applicable only for Class B Customers	\$/kW	(0.1207)
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.8512
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.3463

**MONTHLY RATES AND CHARGES - Regulatory Component**

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

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**LARGE USE SERVICE CLASSIFICATION**

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

**APPLICATION**

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

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

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

**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge	\$	1,155.13
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(151.18)
Distribution Volumetric Rate	\$/kW	2.8864
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until December 31, 2021	\$/kW	0.7595
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kW	1.5752
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.4432
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.8330

**MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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**UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION**

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

**APPLICATION**

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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.

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**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge (per connection)	\$	5.13
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(0.05)
Distribution Volumetric Rate	\$/kWh	0.0234
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until December 31, 2021		
Applicable only for Non-RPP Customers	\$/kWh	(0.0043)
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kWh	0.0035
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until December 31, 2021		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0065
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0054

**MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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**STANDBY POWER SERVICE CLASSIFICATION**

This classification refers to an account that has Load Displacement Generation and requires the distributor to provide back-up service. Further servicing details are available in the distributor's Conditions of Service.

**APPLICATION**

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**MONTHLY RATES AND CHARGES - APPROVED ON AN INTERIM BASIS**

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



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**SENTINEL LIGHTING SERVICE CLASSIFICATION**

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

**APPLICATION**

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

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**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge (per connection)	\$	7.93
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(0.11)
Distribution Volumetric Rate	\$/kW	8.7804
Low Voltage Service Rate	\$/kW	0.0089
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until December 31, 2021 Applicable only for Class B Customers	\$/kW	(0.0377)
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kW	1.2563
Retail Transmission Rate - Network Service Rate	\$/kW	2.1043
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.7315

**MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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**STREET LIGHTING SERVICE CLASSIFICATION**

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

**APPLICATION**

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**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge (per luminaire)	\$	0.46
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(0.01)
Distribution Volumetric Rate	\$/kW	10.7648
Low Voltage Service Rate	\$/kW	0.0107
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until December 31, 2021		
Applicable only for Non-RPP Customers	\$/kWh	(0.0043)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until December 31, 2021	\$/kW	(0.7793)
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kW	1.2434
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until December 31, 2021		
Applicable only for Class B Customers	\$/kW	(0.0425)
Retail Transmission Rate - Network Service Rate	\$/kW	2.5324
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0834

**MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

**Alectra Utilities Corporation**  
**Guelph Rate Zone**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2020-0002

**microFIT SERVICE CLASSIFICATION**

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

**APPLICATION**

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

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

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

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

**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge	\$	4.55
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**ALLOWANCES**

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

**Alectra Utilities Corporation**  
**Guelph Rate Zone**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2020-0002

**SPECIFIC SERVICE CHARGES**

**APPLICATION**

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

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

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

**Customer Administration**

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

**Non-Payment of Account**

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	%	1.50
Reconnection at meter - during regular hours	\$	20.00
Reconnection at meter - after regular hours	\$	50.00
Reconnection at pole - during regular hours	\$	50.00
Reconnection at pole - after regular hours	\$	95.00

**Other**

Service call - customer owned equipment	\$	17.50
Service call - after regular hours	\$	95.00
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	45.39
Overhead bond connection - per connection	\$	105.00
Underground bond connection - per connection	\$	100.00

**Alectra Utilities Corporation**  
**Guelph Rate Zone**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2020-0002

**RETAIL SERVICE CHARGES (if applicable)**

**APPLICATION**

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

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

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

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

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	104.04
Monthly fixed Charge, per retailer	\$	41.62
Monthly variable Charge, per customer, per retailer	\$/cust.	1.04
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.62
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.62)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.52
Processing fee, per request, applied to the requesting party	\$	1.04
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year		no charge
More than twice a year, per request (plus incremental delivery costs)	\$	4.16
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.08

**LOSS FACTORS**

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

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

**ATTACHMENT 24  
GA ANALYSIS WORKFORM  
HORIZON UTILITIES RZ**

# GA Analysis Workform

Version 1.9

**Account 1589 Global Adjustment (GA) Analysis Workform**

Input cells	
Drop down cells	
<b>Utility Name</b>	ALECTRA UTILITIES CORPORATION - HORIZON UTILITIES RATE ZONE

**Note 1**

For Account 1589,

- a) If the account was last approved on a final basis, select the year that the balance was last approved on a final basis. 2017
- b) If the account was last approved on an interim basis, and
- i) there are no changes to the previously approved interim balances, select the year that the balances were last approved for disposition on an interim basis. OR
  - ii) there are changes to the previously approved interim balances, select the year that the balances were last approved for disposition on a final basis. An explanation should be provided to explain the reason for the change in the previously approved interim balances.

*(e.g. If 2017 balances reviewed in the 2019 rate application were to be selected, select 2017)*
**Instructions:**

1) Determine which scenario above applies (a, bi or bii). Select the appropriate year to generate the GA Analysis Workform tabs and the Principal Adjustments tab.

For example:

- Scenario a - If 2018 balances were last approved on a final basis - Select 2018 and a GA Analysis Workform for 2019 will be generated.
- Scenario bi - If 2018 balances were last approved on an interim basis and there are no changes to 2018 balances - Select 2018 and a GA Analysis Workform for 2019 will be generated.
- Scenario bii - If 2018 balances were last approved on an interim basis, there are changes to 2018 balances, and 2017 balances were last approved for disposition - Select 2017 and GA Analysis Workforms for 2018 and 2019 will be generated.

2) Complete the GA Analysis Workform for each year generated.

3) Complete the Principal Adjustments tab. Note that the number of years that require principal adjustment reconciliations are all shown in one Principal Adjustments tab, depending on the year selected on the Information Sheet.

See the separate document GA Analysis Workform Instructions for detailed instructions on how to complete the Workform and examples of reconciling items.

Year	Annual Net Change in Expected GA Balance from GA Analysis	Net Change in Principal Balance in the GL	Reconciling Items	Adjusted Net Change in Principal Balance in the GL	Unresolved Difference	\$ Consumption at Actual Rate Paid	Unresolved Difference as % of Expected GA Payments to IESO
2018	\$ (3,256,262)	\$ (4,015,065)	\$ (4,612,736)	\$ (4,313,900)	\$ (1,057,638)	\$ 127,570,948	-0.8%
2019	\$ 462,116	\$ 9,552,315	\$ (8,825,758)	\$ -	\$ (462,116)	\$ 139,127,728	-0.3%
<b>Cumulative Balance</b>	<b>\$ (2,794,146)</b>	<b>\$ 5,537,251</b>	<b>\$ (13,438,494)</b>	<b>\$ (4,313,900)</b>	<b>\$ (1,519,754)</b>	<b>\$ 266,698,676</b>	<b>N/A</b>

# GA Analysis Workform

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

Year		2018		
Total Metered excluding WMP	C = A+B	4,621,984,752	kWh	100%
RPP	A	2,286,966,814	kWh	49.5%
Non RPP	B = D+E	2,335,017,938	kWh	50.5%
Non-RPP Class A	D	991,491,284	kWh	21.5%
Non-RPP Class B*	E	1,343,526,654	kWh	29.1%

\*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

Note 3 **GA Billing Rate**

GA is billed on the

1st Estimate

Please confirm that the same GA rate is used to bill all customer classes. If not, please provide further details

Yes

Please confirm that the GA Rate used for unbilled revenue is the same as the one used for billed revenue in any particular month

Yes

Note 4 **Analysis of Expected GA Amount**

Year	2018									
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed (\$/kWh)	\$ Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)	
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K	
January	122,524,832	134,432,429	139,058,700	127,151,103	0.08777	\$ 11,160,052	0.06736	\$ 8,564,898	\$ (2,595,154)	
February	121,575,529	139,058,700	125,654,664	108,171,493	0.07333	\$ 7,932,216	0.08167	\$ 8,834,366	\$ 902,150	
March	119,222,936	125,654,664	127,067,190	120,635,462	0.07877	\$ 9,502,455	0.09481	\$ 11,437,448	\$ 1,934,993	
April	111,956,186	127,067,190	120,297,518	105,186,513	0.09810	\$ 10,318,797	0.09959	\$ 10,475,525	\$ 156,728	
May	119,429,709	120,297,518	109,152,491	108,284,682	0.09392	\$ 10,170,097	0.10793	\$ 11,687,166	\$ 1,517,068	
June	111,965,341	109,152,491	133,639,854	136,452,705	0.13336	\$ 18,197,333	0.11896	\$ 16,232,414	\$ (1,964,919)	
July	114,640,255	133,639,854	154,328,227	135,328,628	0.08502	\$ 11,505,640	0.07737	\$ 10,470,376	\$ (1,035,264)	
August	131,681,402	154,328,227	145,242,397	122,595,571	0.07790	\$ 9,550,195	0.07490	\$ 9,182,408	\$ (367,787)	
September	121,103,376	145,242,397	135,368,396	111,229,375	0.08424	\$ 9,369,963	0.08584	\$ 9,547,930	\$ 177,967	
October	118,309,121	135,368,396	108,696,426	91,637,151	0.08921	\$ 8,174,950	0.12059	\$ 11,050,524	\$ 2,875,574	
November	112,815,085	108,696,426	119,055,548	123,174,207	0.12235	\$ 15,070,364	0.09855	\$ 12,138,818	\$ (2,931,546)	
December	103,248,819	119,055,548	123,168,633	107,361,905	0.09198	\$ 9,875,148	0.07404	\$ 7,949,075	\$ (1,926,073)	
<b>Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)</b>	<b>1,408,472,591</b>	<b>1,551,993,840</b>	<b>1,540,730,045</b>	<b>1,397,208,796</b>		<b>\$ 130,827,210</b>		<b>\$ 127,570,948</b>	<b>\$ (3,256,262)</b>	

Calculated Loss Factor 1.0400  
 Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW 1.0379  
 Difference 0.0021

a) Please provide an explanation in the textbox below if columns G and H are not used in the table above.

b) Please provide an explanation in the textbox below if the difference in loss factor is greater than 1%

Note 5 **Reconciling Items**

Item	Amount	Explanation	Principal Adjustment on DVA Continuity Schedule	Principal Adjustments If "no", please provide an explanation
<b>Net Change in Principal Balance in the GL (i.e. Transactions in the Year)</b>	<b>\$ (4,015,065)</b>			
CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year	\$ 1,842,135	\$1,842k related to prior year but included in the GL in the current year, therefore, should record DR in current year	Yes	
CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year	\$ (1,956,654)	\$1,957k relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year	Yes	
2a Remove prior year end unbilled to actual revenue differences	\$ (1,005,879)	\$1,006k relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year	Yes	
2b Add current year end unbilled to actual revenue differences	\$ 821,562	\$822k relates to current year but recorded in the GL in the following year, therefore, should record the DR in current year	Yes	
3a Remove difference between prior year accrual/forecast to actual from long term load transfers				
3b Add difference between current year accrual/forecast to actual from long term load transfers				
4 Remove GA balances pertaining to Class A customers				
5 Significant prior period billing adjustments recorded in current year				
6 Differences in GA IESO posted rate and rate charged on IESO invoice				
7 Differences in actual system losses and billed TLFs				
8 Others as justified by distributor				
9				
10				

Note 6 <b>Adjusted Net Change in Principal Balance in the GL</b>	\$ (4,313,900)
<b>Net Change in Expected GA Balance in the Year Per Analysis</b>	\$ (3,256,262)
<b>Unresolved Difference</b>	\$ (1,057,638)
<b>Unresolved Difference as % of Expected GA Payments to IESO</b>	-0.8%



# GA Analysis Workform

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

Year		2019		
Total Metered excluding WMP	C = A+B	4,504,881,989	kWh	100%
RPP	A	2,220,711,068	kWh	49.3%
Non-RPP	B = D+E	2,284,170,921	kWh	50.7%
Non-RPP Class A	D	1,007,743,377	kWh	22.4%
Non-RPP Class B*	E	1,276,427,544	kWh	28.3%

\*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

Please confirm that the same GA rate is used to bill all customer classes. If not, please provide further details

Yes

Please confirm that the GA Rate used for unbilled revenue is the same as the one used for billed revenue in any particular month

Yes

Note 4 **Analysis of Expected GA Amount**

Year	2019									
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	114,236,665	123,168,633	127,923,135	118,991,166	0.06741	\$ 8,021,195	0.08092	\$ 9,628,765	\$ 1,607,571	
February	127,720,912	127,923,135	104,074,789	103,872,566	0.09657	\$ 10,030,974	0.08812	\$ 9,153,250	\$ (877,723)	
March	112,747,342	104,074,789	190,941,673	199,614,226	0.08105	\$ 16,178,733	0.08041	\$ 16,050,980	\$ (127,753)	
April	122,679,803	190,941,673	178,886,241	110,624,370	0.08129	\$ 8,992,655	0.12333	\$ 13,643,304	\$ 4,650,649	
May	108,857,673	178,886,241	143,965,739	73,937,172	0.12860	\$ 9,508,320	0.12604	\$ 9,319,041	\$ (189,279)	
June	94,361,829	143,965,739	154,038,265	104,434,356	0.12444	\$ 12,995,811	0.13728	\$ 14,336,748	\$ 1,340,937	
July	114,056,342	154,038,265	198,605,853	158,623,930	0.13527	\$ 21,457,059	0.09645	\$ 15,299,278	\$ (6,157,781)	
August	123,298,252	198,605,853	158,384,594	83,076,993	0.07211	\$ 5,990,682	0.12607	\$ 10,473,517	\$ 4,482,835	
September	117,494,096	158,384,594	104,999,380	64,108,882	0.12934	\$ 8,291,843	0.12263	\$ 7,861,672	\$ (430,171)	
October	105,549,567	104,999,380	84,192,936	84,743,112	0.17878	\$ 15,150,374	0.13680	\$ 11,592,858	\$ (3,557,516)	
November	92,889,860	84,192,936	120,402,116	129,099,041	0.10727	\$ 13,848,454	0.09953	\$ 12,849,228	\$ (999,227)	
December	102,176,318	120,402,116	113,913,890	95,688,091	0.08569	\$ 8,199,512	0.09321	\$ 8,919,087	\$ 719,574	
<b>Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)</b>	<b>1,336,068,649</b>	<b>1,689,583,355</b>	<b>1,680,328,612</b>	<b>1,326,813,905</b>		<b>\$ 138,665,612</b>		<b>\$ 139,127,728</b>	<b>\$ 462,116</b>	

Calculated Loss Factor **1.0395**  
 Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW **1.0379**  
 Difference **0.0016**

a) Please provide an explanation in the textbox below if columns G and H are not used in the table above.

b) Please provide an explanation in the textbox below if the difference in loss factor is greater than 1%.

Note 5 **Reconciling Items**

Item	Amount	Explanation	Principal Adjustment on DVA Continuity Schedule	Principal Adjustments
<b>Net Change in Principal Balance in the GL (i.e. Transactions in the Year)</b>	\$ 9,552,315			
1a CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year	\$ 1,956,661	CR \$1,957k related to prior year but included in the GL in the current year, therefore, should record DR in current year	Yes	
1b CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year	\$ (841,592)	CR \$842k relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year	Yes	
2a Remove prior year end unbilled to actual revenue differences	\$ (821,562)	DR \$822k related to prior year but included in the GL in the current year, therefore, should record CR in current year	Yes	
2b Add current year end unbilled to actual revenue differences	\$ (566,756)	CR \$567k relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year	Yes	
3a Remove difference between prior year accrual/unbilled to actual from load transfers				
3b Add difference between current year accrual/unbilled to actual from load transfers				
3 Significant prior period billing adjustments recorded in current year	\$ (7,988,841)	(7,989K) relating to 2010 to 2018 Microfit GA adjustment paid to IESO in 2019. This is not a principal adjustment.	No	Has been recorded in current year GL.
4 Differences in actual system losses and billed TLFs				
5 CT 2148 for prior period corrections				
6 Others as justified by distributor				
7 Adjustment to reallocate amount from Account 1589 to Account 1588	\$ (563,661)	(564K) relating to RPP GA adjustment to be reallocated to Account 1588	Yes	
8				
9				
10				

Note 6 <b>Adjusted Net Change in Principal Balance in the GL</b>	\$ 726,557
<b>Net Change in Expected GA Balance in the Year Per Analysis</b>	\$ 462,116
<b>Unresolved Difference</b>	\$ 264,441
<b>Unresolved Difference as % of Expected GA Payments to IESO</b>	0.2%

# GA Analysis Workform - Account 1588 and 1589 Principal Adjustment Reconciliation

Note 7 **Breakdown of principal adjustments included in last approved balance:**

Account 1589 - RSVA Global Adjustment			
Adjustment Description	Amount	To be reversed in current application?	Explanation if not to be reversed in current application
1 Remove impacts to GA from prior year RPP Settlement true up process	1,808,419	No	Prior year related
2 Add impacts to GA from current year RPP Settlement true up process	(1,842,135)	Yes	
3 Add current unbilled to actual differences	1,005,879	Yes	
4			
5			
6			
7			
8			
<b>Total</b>	972,163		
<b>Total principal adjustments included in last approved balance</b>	972,163		
<b>Difference</b>	0		

Account 1588 - RSVA Power			
Adjustment Description	Amount	To be Reversed in Current Application?	Explanation if not to be reversed in current application
1 Reversal of CT 1142 true-up from the previous year	(819,534)	No	Prior Year Related
2 CT 1142 true-up based on actuals	587,573	Yes	
3			
4			
5			
6			
7			
8			
<b>Total</b>	(231,961)		
<b>Total principal adjustments included in last approved balance</b>	(231,961)		
<b>Difference</b>	(0)		

Note 8 **Principal adjustment reconciliation in current application**

**Notes**

- 1) The "Transaction" column in the DVA Continuity Schedule is to equal the transactions in the general ledger (excluding transactions relating to the removal of approved disposition amounts as that is shown in a separate column in the DVA Continuity Schedule)
- 2) Any principal adjustments needed to adjust the transactions in the general ledger to the amount that should be requested for disposition should be shown separately in the "Principal Adjustments" column of the DVA Continuity Schedule
- 3) The "Variance RRR vs. 2019 Balance" column should equal principal adjustments made in the current disposition period. It should not be impacted by reversals from prior year approved principal adjustments.

Complete the table below for the current disposition period. Complete a table for each year included in the balance under review in this rate application. The number of tables to be completed is automatically generated based on data provided in the Information Sheet

Account 1589 - RSVA Global Adjustment			
Year	Adjustment Description	Amount	Year Recorded in GL
2018	<i>Reversals of prior approved principal adjustments (auto-populated from table above)</i>		
	1		
	2 Add impacts to GA from current year RPP Settlement true up process	1,842,134.75	2018
	3 Add current unbilled to actual differences	(1,005,879.00)	2018
	4		
	5		
	6		
	7		
	8		
	<b>Total Reversal Principal Adjustments</b>	836,256	
2018	<i>Current year principal adjustments</i>		
	1 CT 148 true-up of GA Charges based on actual Non-RPP volumes	(1,956,654)	2019
	2 Unbilled to actual revenue differences	821,562	2019
	3		
	4		
	5		
	6		
	7		
	8		
	<b>Total Current Year Principal Adjustments</b>	(1,135,092)	
	<b>Total Principal Adjustments to be Included on DVA Continuity Schedule</b>	(298,836)	

Account 1588 - RSVA Power			
Year	Adjustment Description	Amount	Year Recorded in GL
2018	<i>Reversals of prior approved principal adjustments (auto-populated from table above)</i>		
	1		
	2 CT 1142 true-up based on actuals	(587,572.55)	2018
	3		
	4		
	5		
	6		
	7		
	8		
	<b>Total Reversal Principal Adjustments</b>	(587,573)	
2018	<i>Current year principal adjustments</i>		
	1 CT 148 true-up of GA Charges based on actual RPP volumes		
	2 CT 1142 true-up based on actuals	893,336	2019
	3 Unbilled to actual revenue differences		
	4 Reclass to 1533	8,484	2019
	5		
	6		
	7		
	8		
	<b>Total Current Year Principal Adjustments</b>	901,820	
	<b>Total Principal Adjustments to be Included on DVA Continuity Schedule</b>	314,247	

Account 1589 - RSVA Global Adjustment			
Year	Adjustment Description	Amount	Year Recorded in GL
2019	<i>Reversals of prior year principal adjustments</i>		
	1 Reversal of prior year CT-148 true-up of GA Charges based on actual Non-RPP volumes	1,956,654	2019
	2 Reversal of Unbilled to actual revenue differences	(821,562)	2019
	3		
	4		
	5		
	6		
	7		
	8		
	<b>Total Reversal Principal Adjustments</b>	1,135,092	
2019	<i>Current year principal adjustments</i>		
	1 CT 148 true-up of GA Charges based on actual Non-RPP volumes	(841,592)	2020
	2 Unbilled to actual revenue differences	(566,756)	2020
	3 Reallocation from Account 1589 to 1588	(563,661)	2020
	4		
	5		
	6		
	7		
	8		
	<b>Total Current Year Principal Adjustments</b>	(1,972,009)	
	<b>Total Principal Adjustments to be Included on DVA Continuity Schedule</b>	(836,918)	

Account 1588 - RSVA Power			
Year	Adjustment Description	Amount	Year Recorded in GL
2019	<i>Reversals of prior year principal adjustments</i>		
	1 Reversal of CT 148 true-up of GA Charges based on actual RPP volumes	(893,336)	2019
	2 Reversal of CT 1142 true-up based on actuals		
	3 Reversal of Unbilled to actual revenue differences		
	4		
	5		
	6		
	7		
	8		
	<b>Total Reversal Principal Adjustments</b>	(893,336)	
2019	<i>Current year principal adjustments</i>		
	1 CT 148 true-up of GA Charges based on actual RPP volumes		
	2 CT 1142 true-up based on actuals		
	3 Unbilled to actual revenue differences	635,573	2020
	4 Reallocation from Account 1589 to 1588	563,661	2020
	5		
	6		
	7		
	8		
	<b>Total Current Year Principal Adjustments</b>	1,199,234	
	<b>Total Principal Adjustments to be Included on DVA Continuity Schedule</b>	305,898	

**ATTACHMENT 25**  
**GA ANALYSIS WORKFORM**  
**BRAMPTON RZ**

# GA Analysis Workform

Version 1.9

**Account 1589 Global Adjustment (GA) Analysis Workform**

Input cells

Drop down cells

Utility Name

**Note 1**

For Account 1589,

- a) If the account was last approved on a final basis, select the year that the balance was last approved on a final basis.
- b) If the account was last approved on an interim basis, and
  - i) there are no changes to the previously approved interim balances, select the year that the balances were last approved for disposition on an interim basis. OR
  - ii) there are changes to the previously approved interim balances, select the year that the balances were last approved for disposition on a final basis. An explanation should be provided to explain the reason for the change in the previously approved interim balances.

(e.g. If 2017 balances reviewed in the 2019 rate application were to be selected, select 2017)

**Instructions:**

1) Determine which scenario above applies (a, bi or bii). Select the appropriate year to generate the GA Analysis Workform tabs and the Principal Adjustments tab.

For example:

- Scenario a - If 2018 balances were last approved on a final basis - Select 2018 and a GA Analysis Workform for 2019 will be generated.
- Scenario bi - If 2018 balances were last approved on an interim basis and there are no changes to 2018 balances - Select 2018 and a GA Analysis Workform for 2019 will be generated.
- Scenario bii - If 2018 balances were last approved on an interim basis, there are changes to 2018 balances, and 2017 balances were last approved for disposition - Select 2017 and GA Analysis Workforms for 2018 and 2019 will be generated.

- 2) Complete the GA Analysis Workform for each year generated.
- 3) Complete the Principal Adjustments tab. Note that the number of years that require principal adjustment reconciliations are all shown in one Principal Adjustments tab, depending on the year selected on the Information Sheet.

See the separate document GA Analysis Workform Instructions for detailed instructions on how to complete the Workform and examples of reconciling items.

Year	Annual Net Change in Expected GA Balance from GA Analysis	Net Change in Principal Balance in the GL	Reconciling Items	Adjusted Net Change in Principal Balance in the GL	Unresolved Difference	\$ Consumption at Actual Rate Paid	Unresolved Difference as % of Expected GA Payments to IESO
2018	\$ (2,165,917)	\$ (2,051,926)	\$ (3,183,674)	\$ (2,617,800)	\$ (451,883)	\$ 119,454,595	-0.4%
2019	\$ 7,750,966	\$ 9,495,096	\$ (2,393,367)	\$ -	\$ (7,750,966)	\$ 127,045,295	-6.1%
<b>Cumulative Balance</b>	<b>\$ 5,585,049</b>	<b>\$ 7,443,170</b>	<b>\$ (5,577,041)</b>	<b>\$ (2,617,800)</b>	<b>\$ (8,202,848)</b>	<b>\$ 246,499,889</b>	<b>N/A</b>

# GA Analysis Workform

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

Year		2018		
Total Metered excluding WMP	C = A+B	4,064,033,417	kWh	100%
RPP	A	1,777,142,186	kWh	43.7%
Non-RPP	B = D+E	2,286,891,231	kWh	56.3%
Non-RPP Class A	D	1,020,262,018	kWh	25.1%
Non-RPP Class B*	E	1,266,629,213	kWh	31.2%

\*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

Note 3 **GA Billing Rate**

GA is billed on the

1st Estimate

Please confirm that the same GA rate is used to bill all customer classes. If not, please provide further details

Yes

Please confirm that the GA Rate used for unbilled revenue is the same as the one used for billed revenue in any particular month

Yes

Note 4 **Analysis of Expected GA Amount**

Year	2018								
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption 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	117,870,792	113,635,540	112,485,496	116,720,748	0.08777	\$ 10,244,580	0.06736	\$ 7,862,310	\$ (2,382,270)
February	106,727,015	112,485,496	105,805,590	100,047,109	0.07333	\$ 7,336,455	0.08167	\$ 8,170,847	\$ 834,393
March	108,910,949	105,805,590	106,531,349	109,636,708	0.07877	\$ 8,636,083	0.09481	\$ 10,394,656	\$ 1,758,573
April	106,632,312	106,531,349	102,436,955	102,537,918	0.09810	\$ 10,058,970	0.09959	\$ 10,211,751	\$ 152,781
May	107,962,080	102,436,955	106,674,478	112,199,603	0.09392	\$ 10,537,787	0.10793	\$ 12,109,703	\$ 1,571,916
June	111,229,105	106,674,478	107,687,055	112,241,682	0.13336	\$ 14,968,551	0.11896	\$ 13,352,270	\$ (1,616,280)
July	114,216,728	107,687,055	109,389,244	115,928,917	0.08502	\$ 9,856,277	0.07737	\$ 8,969,420	\$ (886,856)
August	114,593,719	109,389,244	111,290,734	116,485,209	0.07790	\$ 9,074,198	0.07490	\$ 8,724,742	\$ (349,456)
September	108,304,962	111,290,734	102,884,165	99,898,393	0.08424	\$ 8,415,441	0.08584	\$ 8,575,278	\$ 159,837
October	103,018,836	102,884,165	100,773,866	100,908,537	0.08921	\$ 9,002,051	0.12059	\$ 12,168,560	\$ 3,166,510
November	93,270,649	100,773,866	110,028,627	102,525,410	0.12235	\$ 12,543,984	0.09855	\$ 10,103,879	\$ (2,440,105)
December	114,589,814	110,028,627	114,444,435	119,005,622	0.09198	\$ 10,946,137	0.07404	\$ 8,811,176	\$ (2,134,961)
<b>Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)</b>	<b>1,307,326,961</b>	<b>1,289,633,099</b>	<b>1,290,441,994</b>	<b>1,308,135,857</b>		<b>\$ 121,620,512</b>		<b>\$ 119,454,595</b>	<b>\$ (2,165,917)</b>

Calculated Loss Factor 1.0328  
 Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW 1.0314  
 Difference 0.0014

a) Please provide an explanation in the textbox below if columns G and H are not used in the table above.

b) Please provide an explanation in the textbox below if the difference in loss factor is greater than 1%.

Note 5 **Reconciling Items**

	Item	Amount	Explanation	Principal Adjustment on DVA Continuity Schedule	Principal Adjustments If "no", please provide an explanation
	<b>Net Change in Principal Balance in the GL (i.e. Transactions in the Year)</b>	\$ (2,051,926)			
	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year	\$ (593,356)	DR \$593k related to prior year but included in the GL in the current year, therefore, should record CR in current year	Yes	
	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year	\$ 27,482	CR \$27k relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year	Yes	
	2a Remove prior year end unbilled to actual revenue differences				
	2b Add current year end unbilled to actual revenue differences				
	3a Remove difference between prior year accrual/forecast to actual from long term load transfers				
	3b Add difference between current year accrual/forecast to actual from long term load transfers				
	4 Remove GA balances pertaining to Class A customers				
	5 Significant prior period billing adjustments recorded in current year				
	6 Differences in GA IESO posted rate and rate charged on IESO invoice				
	7 Differences in actual system losses and billed TLFs				
	8 Others as justified by distributor				
	9				
	10				

Note 6	<b>Adjusted Net Change in Principal Balance in the GL</b>	\$ (2,617,800)
	<b>Net Change in Expected GA Balance in the Year Per Analysis</b>	\$ (2,165,917)
	<b>Unresolved Difference</b>	\$ (451,883)
	<b>Unresolved Difference as % of Expected GA Payments to IESO</b>	<u>-0.4%</u>

# GA Analysis Workform

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

Year		2019		
Total Metered excluding WMP	C = A+B	3,956,958,393	kWh	100%
RPP	A	1,764,188,973	kWh	44.6%
Non-RPP	B = D+E	2,192,769,420	kWh	55.4%
Non-RPP Class A	D	1,035,656,152	kWh	26.2%
Non-RPP Class B*	E	1,157,113,268	kWh	29.2%

\*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

Note 3 **GA Billing Rate**

GA is billed on the

1st Estimate

Please confirm that the same GA rate is used to bill all customer classes. If not, please provide further details

Yes

Please confirm that the GA Rate used for unbilled revenue is the same as the one used for billed revenue in any particular month

Yes

Note 4 **Analysis of Expected GA Amount**

Year	2019									
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	105,572,641	114,444,435	106,016,126	97,144,331	0.06741	\$ 6,548,499	0.08092	\$ 7,860,919	\$ 1,312,420	
February	105,118,420	106,016,126	80,144,142	79,246,437	0.09657	\$ 7,652,828	0.08812	\$ 6,983,196	\$ (669,632)	
March	105,313,377	80,144,142	174,955,343	200,124,578	0.08105	\$ 16,220,097	0.08041	\$ 16,092,017	\$ (128,080)	
April	100,646,005	174,955,343	177,153,731	102,844,392	0.08129	\$ 8,360,221	0.12333	\$ 12,683,799	\$ 4,323,578	
May	104,623,031	177,153,731	147,991,709	75,461,009	0.12860	\$ 9,704,286	0.12604	\$ 9,511,106	\$ (193,180)	
June	94,049,011	147,991,709	158,468,017	104,525,319	0.12444	\$ 13,007,131	0.13728	\$ 14,349,236	\$ 1,342,105	
July	101,377,153	158,468,017	130,667,650	73,576,786	0.13527	\$ 9,952,732	0.09645	\$ 7,096,481	\$ (2,856,251)	
August	105,629,707	130,667,650	163,059,700	138,021,757	0.07211	\$ 9,952,749	0.12607	\$ 17,400,403	\$ 7,447,654	
September	104,990,828	163,059,700	124,324,735	66,255,863	0.12934	\$ 8,569,533	0.12263	\$ 8,124,956	\$ (444,577)	
October	94,463,718	124,324,735	85,424,527	55,563,510	0.17878	\$ 9,933,644	0.13680	\$ 7,601,088	\$ (2,332,556)	
November	92,889,860	85,424,527	94,691,246	102,156,580	0.10727	\$ 10,958,336	0.09953	\$ 10,167,644	\$ (790,692)	
December	95,562,540	94,691,246	97,556,435	98,427,729	0.08569	\$ 8,434,272	0.09321	\$ 9,174,449	\$ 740,177	
<b>Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)</b>	<b>1,210,236,292</b>	<b>1,557,341,362</b>	<b>1,540,453,362</b>	<b>1,193,348,292</b>		<b>\$ 119,294,329</b>		<b>\$ 127,045,295</b>	<b>\$ 7,750,966</b>	

Calculated Loss Factor 1.0313  
 Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW 1.0314  
 Difference -0.0001

a) Please provide an explanation in the textbox below if columns G and H are not used in the table above.

b) Please provide an explanation in the textbox below if the difference in loss factor is greater than 1%.

Note 5 **Reconciling Items**

	Item	Amount	Explanation	Principal Adjustment on DVA Continuity Schedule	Principal Adjustments If "no", please provide an explanation
	<b>Net Change in Principal Balance in the GL (i.e. Transactions in the Year)</b>	\$ 9,495,096			
	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year	\$ (27,482)	DR \$27k related to prior year but included in the GL in the current year, therefore, should record CR in current year	Yes	
	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year	\$ (2,365,885)	CR \$2366k relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year	Yes	
	2a Remove prior year end unbilled to actual revenue differences				
	2b Add current year end unbilled to actual revenue differences				
	3a Remove difference between prior year accrual/unbilled to actual from load transfers				
	3b Add difference between current year accrual/unbilled to actual from load transfers				
	3c Significant prior period billing adjustments recorded in current year				
	4 Differences in actual system losses and billed TLFs				
	5 CT 2148 for prior period corrections				
	6 Others as justified by distributor				
	7				
	8				
	9				
	10				

Note 6	Adjusted Net Change In Principal Balance in the GL	\$ 7,101,729
	Net Change in Expected GA Balance in the Year Per Analysis	\$ 7,750,966
	Unresolved Difference	\$ (649,237)
	Unresolved Difference as % of Expected GA Payments to IESO	-0.5%



## GA Analysis Workform - Account 1588 and 1589 Principal Adjustment Reconciliation

Note 7 Breakdown of principal adjustments included in last approved balance:

Account 1589 - RSVA Global Adjustment			
Adjustment Description	Amount	To be reversed in current application?	Explanation if not to be reversed in current application
1 Remove impacts to GA from prior year RPP Settlement true up process	1,619,355	No	In 2017 for 2016 RPP Settlement true up.
2 CT 148 True-up of GA Charges based on Actual Non-RPP Volumes -	593,356	Yes	
3			
4			
5			
6			
7			
8			
<b>Total</b>	<b>2,212,711</b>		
<b>Total principal adjustments included in last approved balance</b>	<b>2,212,711</b>		
<b>Difference</b>	<b>-</b>		

Account 1588 - RSVA Power			
Adjustment Description	Amount	To be Reversed in Current Application?	Explanation if not to be reversed in current application
1 RPP settlement true up for prior year but booked in current year	(803,139)	No	In 2017 for 2016 RPP Settlement true up.
2 RPP settlement true up for current year but booked in subsequent year	179,597	Yes	
3			
4			
5			
6			
7			
8			
<b>Total</b>	<b>(623,541)</b>		
<b>Total principal adjustments included in last approved balance</b>	<b>(623,541)</b>		
<b>Difference</b>	<b>-</b>		

Note 8 Principal adjustment reconciliation in current application

**Notes**

- 1) The "Transaction" column in the DVA Continuity Schedule is to equal the transactions in the general ledger (excluding transactions relating to the removal of approved disposition amounts as that is shown in a separate column in the DVA Continuity Schedule)
- 2) Any principal adjustments needed to adjust the transactions in the general ledger to the amount that should be requested for disposition should be shown separately in the "Principal Adjustments" column of the DVA Continuity Schedule
- 3) The "Variance RRR vs. 2019 Balance" column should equal principal adjustments made in the current disposition period. It should not be impacted by reversals from prior year approved principal adjustments.

Complete the table below for the current disposition period. Complete a table for each year included in the balance under review in this rate application. The number of tables to be completed is automatically generated based on data provided in the Information Sheet

Account 1589 - RSVA Global Adjustment			
Year	Adjustment Description	Amount	Year Recorded in GL
2018	<i>Reversals of prior approved principal adjustments (auto-populated from table above)</i>		
	1		
	2 CT 148 True-up of GA Charges based on Actual Non-RPP Volumes -	(593,355.95)	2018
	3		
	4		
	5		
	6		
	7		
	8		
	<b>Total Reversal Principal Adjustments</b>	<b>(593,356)</b>	
2018	<i>Current year principal adjustments</i>		
	1 CT 148 true-up of GA Charges based on actual Non-RPP volumes	27,482	2019
	2 Unbilled to actual revenue differences		
	3		
	4		
	5		
	6		
	7		
	8		
	<b>Total Current Year Principal Adjustments</b>	<b>27,482</b>	
	<b>Total Principal Adjustments to be Included on DVA Continuity Schedule</b>	<b>(565,874)</b>	

Account 1588 - RSVA Power			
Year	Adjustment Description	Amount	Year Recorded in GL
2018	<i>Reversals of prior approved principal adjustments (auto-populated from table above)</i>		
	1		
	2 RPP settlement true up for current year but booked in subsequent year	(179,597.31)	2018
	3		
	4		
	5		
	6		
	7		
	8		
	<b>Total Reversal Principal Adjustments</b>	<b>(179,597)</b>	
2018	<i>Current year principal adjustments</i>		
	1 CT 148 true-up of GA Charges based on actual RPP volumes		
	2 CT 1142 true-up based on actuals	(125,925)	2019
	3 Unbilled to actual revenue differences		
	4 RPP settlement true up for current year but booked in subsequent year		
	5		
	6		
	7		
	8		
	<b>Total Current Year Principal Adjustments</b>	<b>(125,925)</b>	
	<b>Total Principal Adjustments to be Included on DVA Continuity Schedule</b>	<b>(305,523)</b>	

Account 1589 - RSVA Global Adjustment			
Year	Adjustment Description	Amount	Year Recorded in GL
2019	<i>Reversals of prior year principal adjustments</i>		
	1 Reversal of prior year CT-148 true-up of GA Charges based on actual Non-RPP volumes	(27,482)	2019
	2 Reversal of Unbilled to actual revenue differences		
	3		
	4		
	5		
	6		
	7		
	8		
	<b>Total Reversal Principal Adjustments</b>	<b>(27,482)</b>	
2019	<i>Current year principal adjustments</i>		
	1 CT 148 true-up of GA Charges based on actual Non-RPP volumes	(2,365,885)	2020
	2 Unbilled to actual revenue differences		
	3		
	4		
	5		
	6		
	7		
	8		
	<b>Total Current Year Principal Adjustments</b>	<b>(2,365,885)</b>	
	<b>Total Principal Adjustments to be Included on DVA Continuity Schedule</b>	<b>(2,393,367)</b>	

Account 1588 - RSVA Power			
Year	Adjustment Description	Amount	Year Recorded in GL
2019	<i>Reversals of prior year principal adjustments</i>		
	1 Reversal of CT 148 true-up of GA Charges based on actual RPP volumes		
	2 Reversal of CT 1142 true-up based on actuals	125,925	2019
	3 Reversal of Unbilled to actual revenue differences		
	4 RPP settlement true up for prior year but booked in current year		
	5		
	6		
	7		
	8		
	<b>Total Reversal Principal Adjustments</b>	<b>125,925</b>	
2019	<i>Current year principal adjustments</i>		
	1 CT 148 true-up of GA Charges based on actual RPP volumes		
	2 CT 1142 true-up based on actuals	2,378,104	2020
	3 Unbilled to actual revenue differences		
	4 RPP settlement true up for current year but booked in subsequent year		
	5		
	6		
	7		
	8		
	<b>Total Current Year Principal Adjustments</b>	<b>2,378,104</b>	
	<b>Total Principal Adjustments to be Included on DVA Continuity Schedule</b>	<b>2,504,029</b>	

**ATTACHMENT 26**  
**GA ANALYSIS WORKFORM**  
**POWERSTREAM RZ**

# GA Analysis Workform

Version 1.9

**Account 1589 Global Adjustment (GA) Analysis Workform**

Input cells

Drop down cells

Utility Name

**Note 1**

For Account 1589,

- a) If the account was last approved on a final basis, select the year that the balance was last approved on a final basis.
- b) If the account was last approved on an interim basis, and
  - i) there are no changes to the previously approved interim balances, select the year that the balances were last approved for disposition on an interim basis. OR
  - ii) there are changes to the previously approved interim balances, select the year that the balances were last approved for disposition on a final basis. An explanation should be provided to explain the reason for the change in the previously approved interim balances.

(e.g. If 2017 balances reviewed in the 2019 rate application were to be selected, select 2017)

**Instructions:**

- 1) Determine which scenario above applies (a, bi or bii). Select the appropriate year to generate the GA Analysis Workform tabs and the Principal Adjustments tab.  
For example:
  - Scenario a - If 2018 balances were last approved on a final basis - Select 2018 and a GA Analysis Workform for 2019 will be generated.
  - Scenario bi - If 2018 balances were last approved on an interim basis and there are no changes to 2018 balances - Select 2018 and a GA Analysis Workform for 2019 will be generated.
  - Scenario bii - If 2018 balances were last approved on an interim basis, there are changes to 2018 balances, and 2017 balances were last approved for disposition - Select 2017 and GA Analysis Workforms for 2018 and 2019 will be generated.
- 2) Complete the GA Analysis Workform for each year generated.
- 3) Complete the Principal Adjustments tab. Note that the number of years that require principal adjustment reconciliations are all shown in one Principal Adjustments tab, depending on the year selected on the Information Sheet.

See the separate document GA Analysis Workform Instructions for detailed instructions on how to complete the Workform and examples of reconciling items.

Year	Annual Net Change in Expected GA Balance from GA Analysis	Net Change in Principal Balance in the GL	Reconciling Items	Adjusted Net Change in Principal Balance in the GL	Unresolved Difference	\$ Consumption at Actual Rate Paid	Unresolved Difference as % of Expected GA Payments to IESO
2019	\$ 6,183,677	\$ 11,175,038	\$ (3,035,270)	\$ -	\$ (6,183,677)	\$ 356,314,312	-1.7%
<b>Cumulative Balance</b>	<b>\$ 6,183,677</b>	<b>\$ 11,175,038</b>	<b>\$ (3,035,270)</b>	<b>\$ -</b>	<b>\$ (6,183,677)</b>	<b>\$ 356,314,312</b>	<b>N/A</b>

# GA Analysis Workform

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

Year		2019		
Total Metered excluding WMP	C = A+B	8,429,989,265	kWh	100%
RPP	A	3,884,992,552	kWh	46.1%
Non-RPP	B = D+E	4,544,996,713	kWh	53.9%
Non-RPP Class A	D	1,386,354,957	kWh	16.4%
Non-RPP Class B*	E	3,158,631,756	kWh	37.5%

\*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

Note 3 **GA Billing Rate**

GA is billed on the

1st Estimate

Please confirm that the same GA rate is used to bill all customer classes. If not, please provide further details

Yes

Please confirm that the GA Rate used for unbilled revenue is the same as the one used for billed revenue in any particular month

Yes

Note 4 **Analysis of Expected GA Amount**

Year	2019									
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	292,286,914			292,286,914	0.06741	\$ 19,703,061	0.08092	\$ 23,651,857	\$ 3,948,796	
February	266,492,846			266,492,846	0.09657	\$ 25,735,214	0.08812	\$ 23,483,350	\$ (2,251,865)	
March	283,637,173			283,637,173	0.08105	\$ 22,988,793	0.08041	\$ 22,807,265	\$ (181,528)	
April	259,052,284			259,052,284	0.08129	\$ 21,058,360	0.12333	\$ 31,948,918	\$ 10,890,558	
May	262,521,178			262,521,178	0.12860	\$ 33,760,223	0.12604	\$ 33,088,169	\$ (672,054)	
June	268,982,556			268,982,556	0.12444	\$ 33,472,189	0.13728	\$ 36,925,925	\$ 3,453,736	
July	301,721,766			301,721,766	0.13527	\$ 40,813,903	0.09645	\$ 29,101,084	\$ (11,712,839)	
August	287,276,639			287,276,639	0.07211	\$ 20,715,518	0.12607	\$ 36,216,966	\$ 15,501,447	
September	259,574,375			259,574,375	0.12934	\$ 33,573,350	0.12263	\$ 31,831,606	\$ (1,741,744)	
October	262,279,969			262,279,969	0.17878	\$ 46,890,413	0.13680	\$ 35,879,900	\$ (11,010,513)	
November	265,410,862			265,410,862	0.10727	\$ 28,470,623	0.09953	\$ 26,416,343	\$ (2,054,280)	
December	267,814,066			267,814,066	0.08569	\$ 22,948,987	0.09321	\$ 24,962,949	\$ 2,013,962	
<b>Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)</b>	<b>3,277,050,629</b>	<b>-</b>	<b>-</b>	<b>3,277,050,629</b>		<b>\$ 350,130,636</b>		<b>\$ 356,314,312</b>	<b>\$ 6,183,677</b>	

Calculated Loss Factor 1.0375  
 Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW 1.0369  
 Difference 0.0006

a) Please provide an explanation in the textbox below if columns G and H are not used in the table above.

Monthly usage were the base for RPP true-up settlement that reflect the true cost of GA for non-RPP Class B.

b) Please provide an explanation in the textbox below if the difference in loss factor is greater than 1%.

Note 5 **Reconciling Items**

	Item	Amount	Explanation	Principal Adjustment on DVA Continuity Schedule	Principal Adjustments If "no", please provide an explanation
	<b>Net Change in Principal Balance in the GL (i.e. Transactions in the Year)</b>	\$ 11,175,038			
	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year	\$ 5,344,287	CR \$5,344k related to prior year but included in the GL in the current year, therefore, should record DR in current year	Yes	
	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year	\$ (3,373,439)	CR \$3,373k relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year	Yes	
	2a Remove prior year end unbilled to actual revenue differences	\$ (3,051,573)	DR \$3,052k related to prior year but included in the GL in the current year, therefore, should record CR in current year	Yes	
	2b Add current year end unbilled to actual revenue differences	\$ (1,954,545)	CR \$1,955k relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year	Yes	
	3a Remove difference between prior year accrual/unbilled to actual from load transfers				
	3b Add difference between current year accrual/unbilled to actual from load transfers				
	3c Significant prior period billing adjustments recorded in current year				
	4 Differences in actual system losses and billed TLFs				
	5 CT 2148 for prior period corrections				
	6 Others as justified by distributor				
	7				
	8				
	9				
	10				

Note 6	Adjusted Net Change In Principal Balance in the GL	\$ 8,139,768
	Net Change in Expected GA Balance in the Year Per Analysis	\$ 6,183,677
	Unresolved Difference	\$ 1,956,091
	Unresolved Difference as % of Expected GA Payments to IESO	0.5%

## GA Analysis Workform - Account 1588 and 1589 Principal Adjustment Reconciliation

Note 7 **Breakdown of principal adjustments included in last approved balance:**

Account 1589 - RSVA Global Adjustment			
Adjustment Description	Amount	To be reversed in current application?	Explanation if not to be reversed in current application
1			
2	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes -	(5,344,287)	Yes
3	Remove prior year end unbilled to actual revenue differences	(4,539,898)	No
4	Current year end unbilled to actual revenue differences	3,051,573	Yes
5			
6			
7			
8			
Total		(6,832,602)	
Total principal adjustments included in last approved balance		(6,832,602)	
Difference		0	

Account 1588 - RSVA Power			
Adjustment Description	Amount	To be Reversed in Current Application?	Explanation if not to be reversed in current application
1	RPP settlement true up for prior year but booked in current year	3,601,754	No
2	RPP settlement true up for current year but booked in subsequent year	3,266,054	Yes
3			
4			
5			
6			
7			
8			
Total		6,867,808	
Total principal adjustments included in last approved balance		6,867,808	
Difference		0	

Note 8 **Principal adjustment reconciliation in current application**

**Notes**

- 1) The "Transaction" column in the DVA Continuity Schedule is to equal the transactions in the general ledger (excluding transactions relating to the removal of approved disposition amounts as that is shown in a separate column in the DVA Continuity Schedule)
- 2) Any principal adjustments needed to adjust the transactions in the general ledger to the amount that should be requested for disposition should be shown separately in the "Principal Adjustments" column of the DVA Continuity Schedule
- 3) The "Variance RRR vs. 2019 Balance" column should equal principal adjustments made in the current disposition period. It should not be impacted by reversals from prior year approved principal adjustments.

Complete the table below for the current disposition period. Complete a table for each year included in the balance under review in this rate application. The number of tables to be completed is automatically generated based on data provided in the Information Sheet

Year	Account 1589 - RSVA Global Adjustment		
	Adjustment Description	Amount	Year Recorded in GL
2019	<i>Reversals of prior approved principal adjustments (auto-populated from table above)</i>		
1			
2	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes -	5,344,286.58	2019
3			
4	Current year end unbilled to actual revenue differences	(3,051,572.72)	2019
5			
6			
7			
8			
Total Reversal Principal Adjustments		2,292,714	
2019	<i>Current year principal adjustments</i>		
1	CT 148 true-up of GA Charges based on actual Non-RPP volumes	(3,373,439)	2020
2	Unbilled to actual revenue differences	(1,954,545)	2020
3			
4			
5			
6			
7			
8			
Total Current Year Principal Adjustments		(5,327,983)	
Total Principal Adjustments to be Included on DVA Continuity Schedule		(3,035,270)	

Year	Account 1588 - RSVA Power		
	Adjustment Description	Amount	Year Recorded in GL
2019	<i>Reversals of prior approved principal adjustments (auto-populated from table above)</i>		
1			
2	RPP settlement true up for current year but booked in subsequent year	(3,266,054.00)	2019
3			
4			
5			
6			
7			
8			
Total Reversal Principal Adjustments		(3,266,054)	
2019	<i>Current year principal adjustments</i>		
1	CT 148 true-up of GA Charges based on actual RPP volumes	3,373,439	2020
2	CT 1142 true-up based on actuals	229,874	2020
3	Unbilled to actual revenue differences		
4			
5			
6			
7			
8			
Total Current Year Principal Adjustments		3,603,313	
Total Principal Adjustments to be Included on DVA Continuity Schedule		337,259	

**ATTACHMENT 27  
GA ANALYSIS WORKFORM  
ENERSOURCE RZ**

# GA Analysis Workform

Version 1.9

**Account 1589 Global Adjustment (GA) Analysis Workform**

Input cells   
 Drop down cells

Utility Name

**Note 1**

For Account 1589,

- a) If the account was last approved on a final basis, select the year that the balance was last approved on a final basis.
- b) If the account was last approved on an interim basis, and
  - i) there are no changes to the previously approved interim balances, select the year that the balances were last approved for disposition on an interim basis. OR
  - ii) there are changes to the previously approved interim balances, select the year that the balances were last approved for disposition on a final basis. An explanation should be provided to explain the reason for the change in the previously approved interim balances.

(e.g. If 2017 balances reviewed in the 2019 rate application were to be selected, select 2017)

**Instructions:**

1) Determine which scenario above applies (a, bi or bii). Select the appropriate year to generate the GA Analysis Workform tabs and the Principal Adjustments tab.

For example:

- Scenario a - If 2018 balances were last approved on a final basis - Select 2018 and a GA Analysis Workform for 2019 will be generated.
- Scenario bi - If 2018 balances were last approved on an interim basis and there are no changes to 2018 balances - Select 2018 and a GA Analysis Workform for 2019 will be generated.
- Scenario bii - If 2018 balances were last approved on an interim basis, there are changes to 2018 balances, and 2017 balances were last approved for disposition - Select 2017 and GA Analysis Workforms for 2018 and 2019 will be generated.

- 2) Complete the GA Analysis Workform for each year generated.
- 3) Complete the Principal Adjustments tab. Note that the number of years that require principal adjustment reconciliations are all shown in one Principal Adjustments tab, depending on the year selected on the Information Sheet.

See the separate document GA Analysis Workform Instructions for detailed instructions on how to complete the Workform and examples of reconciling items.

Year	Annual Net Change in Expected GA Balance from GA Analysis	Net Change in Principal Balance in the GL	Reconciling Items	Adjusted Net Change in Principal Balance in the GL	Unresolved Difference	\$ Consumption at Actual Rate Paid	Unresolved Difference as % of Expected GA Payments to IESO
2019	\$ 5,183,235	\$ 4,822,048	\$ 2,577,059	\$ -	\$ (5,183,235)	\$ 298,952,640	-1.7%
<b>Cumulative Balance</b>	<b>\$ 5,183,235</b>	<b>\$ 4,822,048</b>	<b>\$ 2,577,059</b>	<b>\$ -</b>	<b>\$ (5,183,235)</b>	<b>\$ 298,952,640</b>	<b>N/A</b>



# GA Analysis Workform

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

Year	2019			
Total Metered excluding WMP	C = A+B	7,065,043,828	kWh	100%
RPP	A	2,427,130,143	kWh	34.4%
Non-RPP	B = D+E	4,637,913,685	kWh	65.6%
Non-RPP Class A	D	1,981,044,369	kWh	28.0%
Non-RPP Class B*	E	2,656,869,316	kWh	37.6%

\*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

Please confirm that the same GA rate is used to bill all customer classes. If not, please provide further details

Yes

Please confirm that the GA Rate used for unbilled revenue is the same as the one used for billed revenue in any particular month

Yes

Note 4 **Analysis of Expected GA Amount**

Year	2019									
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	243,448,450			243,448,450	0.06741	\$ 16,410,860	0.08092	\$ 19,699,849	\$ 3,288,989	
February	222,140,602			222,140,602	0.09657	\$ 21,452,118	0.08812	\$ 19,575,030	\$ (1,877,088)	
March	237,987,573			237,987,573	0.08105	\$ 19,288,893	0.08041	\$ 19,136,581	\$ (152,312)	
April	215,898,531			215,898,531	0.08129	\$ 17,550,392	0.12333	\$ 26,626,766	\$ 9,076,374	
May	216,591,464			216,591,464	0.12860	\$ 27,853,662	0.12604	\$ 27,299,188	\$ (554,474)	
June	219,780,622			219,780,622	0.12444	\$ 27,349,501	0.13728	\$ 30,171,484	\$ 2,821,983	
July	253,431,928			253,431,928	0.13527	\$ 34,281,737	0.09645	\$ 24,443,509	\$ (9,838,227)	
August	243,503,470			243,503,470	0.07211	\$ 17,559,035	0.12607	\$ 30,698,483	\$ 13,139,447	
September	220,814,014			220,814,014	0.12934	\$ 28,560,085	0.12263	\$ 27,078,423	\$ (1,481,662)	
October	220,495,163			220,495,163	0.17878	\$ 39,420,125	0.13680	\$ 30,163,738	\$ (9,256,387)	
November	224,354,756			224,354,756	0.10727	\$ 24,068,535	0.09953	\$ 22,330,029	\$ (1,738,506)	
December	233,124,785			233,124,785	0.08569	\$ 19,976,463	0.09321	\$ 21,729,961	\$ 1,753,098	
<b>Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)</b>	<b>2,751,571,357</b>	<b>-</b>	<b>-</b>	<b>2,751,571,357</b>		<b>\$ 293,769,405</b>		<b>\$ 298,952,640</b>	<b>\$ 5,183,235</b>	

Calculated Loss Factor 1.0356  
 Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW 1.036  
 Difference -0.0004

a) Please provide an explanation in the textbox below if columns G and H are not used in the table above.

b) Please provide an explanation in the textbox below if the difference in loss factor is greater than 1%.

Note 5 **Reconciling Items**

	Item	Amount	Explanation	Principal Adjustment on DVA Continuity Schedule	Principal Adjustments If "no", please provide an explanation
	<b>Net Change in Principal Balance in the GL (i.e. Transactions in the Year)</b>	\$ 4,822,048			
1a	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year	\$ 2,980,120	CR \$2,980k related to prior year but included in the GL in the current year, therefore, should record DR in current year	Yes	
1b	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year	\$ (2,860,968)	CR \$2,861k relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year	Yes	
2a	Remove prior year end unbilled to actual revenue differences	\$ (4,266,242)	DR \$4,266k related to prior year but included in the GL in the current year, therefore, should record CR in current year	Yes	
2b	Add current year end unbilled to actual revenue differences	\$ 6,524,150	DR \$6,524k relates to current year but recorded in the GL in the following year, therefore, should record the DR in current year	Yes	
3a	Remove difference between prior year accrual/unbilled to actual from load transfers				
3b	Add difference between current year accrual/unbilled to actual from load transfers				
3	Significant prior period billing adjustments recorded in current year				
4	Differences in actual system losses and billed TLFs				
5	CT 2148 for prior period corrections				
6	Others as justified by distributor				
7					
8					
9					
10					

Note 6	Adjusted Net Change In Principal Balance in the GL	\$ 7,399,107
	Net Change in Expected GA Balance in the Year Per Analysis	\$ 5,183,235
	Unresolved Difference	\$ 2,215,872
	Unresolved Difference as % of Expected GA Payments to IESO	0.7%

## GA Analysis Workform - Account 1588 and 1589 Principal Adjustment Reconciliation

Note 7 **Breakdown of principal adjustments included in last approved balance:**

Account 1589 - RSVA Global Adjustment			
Adjustment Description	Amount	To be reversed in current application?	Explanation if not to be reversed in current application
1 Remove impacts to GA from prior year RPP Settlement true up process	(1,063,861)	No	Prior year related
2 Current year RPP Settlement true up process that are booked in	(2,980,120)	Yes	
3 Remove prior year end unbilled to actual revenue differences	(960,411)	No	Prior year related
4 Current year end unbilled to actual revenue differences	4,266,242	Yes	
5			
6			
7			
8			
Total	(758,149)		
Total principal adjustments included in last approved balance	(758,149)		
Difference	(0)		

Account 1588 - RSVA Power			
Adjustment Description	Amount	To be Reversed in Current Application?	Explanation if not to be reversed in current application
1 CT 1142 true-up based on actuals	1,131,553	Yes	
2 Reversal of CT 1142 true-up from the previous year	(1,501,744)	No	Prior Year Related
3			
4			
5			
6			
7			
8			
Total	(370,191)		
Total principal adjustments included in last approved balance	(370,191)		
Difference	0		

Note 8 **Principal adjustment reconciliation in current application**

**Notes**

- 1) The "Transaction" column in the DVA Continuity Schedule is to equal the transactions in the general ledger (excluding transactions relating to the removal of approved disposition amounts as that is shown in a separate column in the DVA Continuity Schedule)
- 2) Any principal adjustments needed to adjust the transactions in the general ledger to the amount that should be requested for disposition should be shown separately in the "Principal Adjustments" column of the DVA Continuity Schedule
- 3) The "Variance RRR vs. 2019 Balance" column should equal principal adjustments made in the current disposition period. It should not be impacted by reversals from prior year approved principal adjustments.

Complete the table below for the current disposition period. Complete a table for each year included in the balance under review in this rate application. The number of tables to be completed is automatically generated based on data provided in the Information Sheet

Year	Account 1589 - RSVA Global Adjustment		
	Adjustment Description	Amount	Year Recorded in GL
2019	<i>Reversals of prior approved principal adjustments (auto-populated from table above)</i>		
	1		
	2 Current year RPP Settlement true up process that are booked in	2,980,119.60	2019
	3		
	4 Current year end unbilled to actual revenue differences	(4,266,242.37)	2019
	5		
	6		
	7		
	8		
	<b>Total Reversal Principal Adjustments</b>	(1,286,123)	
2019	<i>Current year principal adjustments</i>		
	1 CT 148 true-up of GA Charges based on actual Non-RPP volumes	(2,660,968)	2020
	2 Unbilled to actual revenue differences	6,524,150	2020
	3		
	4		
	5		
	6		
	7		
	8		
	<b>Total Current Year Principal Adjustments</b>	3,863,182	
	<b>Total Principal Adjustments to be Included on DVA Continuity Schedule</b>	2,577,059	

Year	Account 1588 - RSVA Power		
	Adjustment Description	Amount	Year Recorded in GL
2019	<i>Reversals of prior approved principal adjustments (auto-populated from table above)</i>		
	1 CT 1142 true-up based on actuals	(1,131,553.00)	2,019
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	<b>Total Reversal Principal Adjustments</b>	(1,131,553)	
2019	<i>Current year principal adjustments</i>		
	1 CT 148 true-up of GA Charges based on actual RPP volumes		
	2 CT 1142 true-up based on actuals	2,692,617	2,020
	3 Unbilled to actual revenue differences		
	4		
	5		
	6		
	7		
	8		
	<b>Total Current Year Principal Adjustments</b>	2,692,617	
	<b>Total Principal Adjustments to be Included on DVA Continuity Schedule</b>	1,561,064	

**ATTACHMENT 28**  
**GA ANALYSIS WORKFORM**  
**GUELPH RZ**

# GA Analysis Workform

Version 1.9

**Account 1589 Global Adjustment (GA) Analysis Workform**

 Input cells   
 Drop down cells 
**Utility Name** 
**Note 1**

For Account 1589,

a) If the account was last approved on a final basis, select the year that the balance was last approved on a final basis.

b) If the account was last approved on an interim basis, and

i) there are no changes to the previously approved interim balances, select the year that the balances were last approved for disposition on an interim basis. OR

ii) there are changes to the previously approved interim balances, select the year that the balances were last approved for disposition on a final basis. An explanation should be provided to explain the reason for the change in the previously approved interim balances.

*(e.g. If 2017 balances reviewed in the 2019 rate application were to be selected, select 2017)*
**Instructions:** 

Year	Annual Net Change in Expected GA Balance from GA Analysis	Net Change in Principal Balance in the GL	Reconciling Items	Adjusted Net Change in Principal Balance in the GL	Unresolved Difference	\$ Consumption at Actual Rate Paid	Unresolved Difference as % of Expected GA Payments to IESO
2018	\$ (68,191)	\$ (2,229,900)	\$ 2,090,089	\$ (139,811)	\$ (71,620)	\$ 34,538,348	-0.2%
2019	\$ 798,580	\$ 2,601,202	\$ (1,822,241)	\$ 778,961	\$ (19,619)	\$ 38,304,074	-0.1%
<b>Cumulative Balance</b>	<b>\$ 730,389</b>	<b>\$ 371,302</b>	<b>\$ 267,848</b>	<b>\$ 639,150</b>	<b>\$ (91,238)</b>	<b>\$ 72,842,422</b>	<b>N/A</b>

# GA Analysis Workform

**Account 1589 Global Adjustment (GA) Analysis Workform**

Input cells   
 Drop down cells

Note 1 Year(s) Requested for Disposition

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

Year	2018			
Total Metered excluding WMP	C = A+B	1,671,900,470	kWh	100%
RPP	A	532,946,022	kWh	31.9%
Non RPP	B = D+E	1,138,954,449	kWh	68.1%
Non-RPP Class A	D	779,216,990	kWh	46.6%
Non-RPP Class B*	E	359,737,459	kWh	21.5%

\*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

**Note 3 GA Billing Rate**

GA is billed on the

**GA Billing Rate Description**

Guelph RZ bills customers based on the GA first estimate, and the IESO charges GA based on actual GA rates. Guelph RZ applies GA first estimate on all billing and unbilled revenue transactions for non-RPP Class B customers in each customer class.

**Note 4 Analysis of Expected GA Amount**

Year	2018								
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption for Unbilled (kWh)	GA Rate Billed (\$/kWh)	\$ Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K
January	33,367,896	33,115,105	23,548,237	23,801,029	0.08777	\$ 2,089,016	0.06736	\$ 1,603,237	-\$ 485,779
February	33,760,540	23,548,237	21,111,720	31,324,023	0.07333	\$ 2,296,991	0.08167	\$ 2,558,233	\$ 261,242
March	33,077,199	21,111,720	24,388,102	36,353,581	0.07877	\$ 2,863,572	0.09481	\$ 3,446,683	\$ 583,111
April	31,382,198	24,388,102	22,181,728	29,175,824	0.09810	\$ 2,862,148	0.09959	\$ 2,905,620	\$ 43,472
May	36,708,619	22,181,728	23,209,095	37,735,986	0.09392	\$ 3,544,164	0.10793	\$ 4,072,845	\$ 528,681
June	31,525,927	23,209,095	22,196,010	30,512,842	0.13336	\$ 4,069,193	0.11896	\$ 3,629,808	-\$ 439,385
July	31,394,699	22,196,010	23,162,790	32,361,479	0.08502	\$ 2,751,373	0.07737	\$ 2,503,808	-\$ 247,565
August	33,669,953	23,162,790	21,464,531	31,971,694	0.07790	\$ 2,490,595	0.07490	\$ 2,394,680	-\$ 95,915
September	27,061,113	21,464,531	19,789,981	25,386,563	0.08424	\$ 2,138,564	0.08584	\$ 2,179,183	\$ 40,619
October	31,394,962	19,789,981	21,082,926	32,687,907	0.08921	\$ 2,916,088	0.12059	\$ 3,941,835	\$ 1,025,747
November	27,030,332	21,082,926	24,055,452	30,002,858	0.12235	\$ 3,670,850	0.09855	\$ 2,956,782	-\$ 714,068
December	28,815,169	24,055,452	26,920,932	31,680,650	0.09198	\$ 2,913,986	0.07404	\$ 2,345,635	-\$ 568,351
<b>Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)</b>	<b>379,188,607</b>	<b>279,305,674</b>	<b>273,111,502</b>	<b>372,994,435</b>		<b>\$ 34,606,539</b>		<b>\$ 34,538,348</b>	<b>-\$ 68,191</b>

Calculated Loss Factor   
 Most Recent Approved Loss Factor for Secondary   
 Difference

b) Please provide an explanation in the textbox below if the difference in loss factor is greater than 1%

Guelph's December 2018 unbilled estimate for Non-RPP Class B consumption was higher than the actuals, which caused the 2018 calculated loss factor to be higher than Guelph's approved loss factor.

Note 5 **Reconciling Items.**

	Item	Amount	Explanation	Principal Adjustment on DVA Continuity Schedule	Principal Adjustments If "no", please provide an explanation
	<b>Net Change in Principal Balance in the GL (i.e. Transactions in the Year)</b>	-\$ 2,229,900			
1a	True-up of GA Charges based on Actual Non-RPP Volumes - prior year	\$ 145,888	GA RPP true-up was done monthly and Dec 2017 true-up (payment from IESO) was included in the 1589 balance disposed in 2019 IRM (see Tab "Rec Item 1a&b - GA Trueup") \$145,888 payment from IESO.	Yes	
1b	True-up of GA Charges based on Actual Non-RPP Volumes - current year	\$ 220,196	GA RPP true-up was done monthly and Dec 2018 was not included in the 1589 balance (see Tab "Rec Item 1a&b - GA Trueup") \$220,196 payment to IESO.	Yes	
2a	Remove prior year end unbilled to actual revenue differences				
2b	Add current year end unbilled to actual revenue differences				
3a	Remove difference between prior year accrual/forecast to actual from long term load transfers				
3b	Add difference between current year accrual/forecast to actual from long term load transfers				
4	Remove GA balances pertaining to Class A customers				
5	Significant prior period billing adjustments recorded in current year				
6	Differences in GA IESO posted rate and rate charged on IESO invoice	\$ 131,591	2018 IESO adjustments pertaining to non-RPP - Tab IESO Invoice Adjustments 2018, cell H27	No	This Non-RPP portion of IESO Invoice adjustments is already recorded in GL when IESO Invoice is received. Therefore it is already on the Cost side of Acct 1589 and no Principal Adjustment required.
7	Differences in actual system losses and billed TLFs				
8	Differences in GA IESO posted rate and rate charged on IESO invoice	-\$ 414,493	GRZ 2019 IRM (EB-2018-0036) 2017 IESO adjustments pertaining to RPP booked as a debit in 1589 on December 2018 - Please see file Guelph_IESO Invoice Adjustments Analysis, Tab IESO Invoice Adjustments 2017, Table 4, cell H25;	Yes	
9	Differences in GA IESO posted rate and rate charged on IESO invoice	\$ 223,075	2018 IESO adjustments pertaining to RPP - Please see Tab IESO Invoice Adjustments 2018, Table 4, cell H26;	Yes	
10	Difference between UBR calculated at GA first estimate rate vs. GA weighted average rate	\$ 195,290	December 2017 UBR: Difference between UBR calculated at GA first estimate rate vs. GA weighted average rate - please see Tab. GA Detailed Analysis, Table 5	No	The Unbilled GA at weighted average rate was booked to the GL. This reconciling item represents the impact/difference between Unbilled at the weighted average rate vs. 1st Estimate rate used in the Expected GA Amount table (Note 4). No Principal Adj required.
11	Difference between UBR calculated at GA first estimate rate vs. GA weighted average rate	\$ 194,533	December 2018 UBR: Difference between UBR calculated at GA first estimate rate vs. GA weighted average rate - please see Tab. GA Detailed Analysis, Table 5	No	The Unbilled GA at weighted average rate was booked to the GL. This reconciling item represents the impact/difference between Unbilled at the weighted average rate vs. 1st Estimate rate used in the Expected GA Amount table (Note 4). No Principal Adj required.
12	The billing cycle is not on a calendar month	\$ 687,910	The billing cycle is not on a calendar month for most customers; our billing system uses a weighted average daily rate for applying Global Adjustment to bills	No	Billed GA is booked to the GL on the Revenue side of Acct 1589. This reconciling item represents the impact of billed GA vs. the Expected GA Amount table (Note 4). No Principal Adjustment required.
13	Differences in GA IESO posted rate and rate charged on IESO invoice	\$ 819,662	GRZ 2019 IRM (EB-2018-0036) 2017 IESO adjustments pertaining to non-RPP - Please see file Guelph_IESO Invoice Adjustments Analysis, Tab IESO Invoice Adjustments 2017, Table 4, cell H26	No	This Non-RPP portion of IESO Invoice adjustments is already recorded in GL when IESO Invoice is received. Therefore it is already on the Cost side of Acct 1589 and no Principal Adjustment required.
14	Correction to UBR for RPP consumption	-\$ 113,562	GRZ corrected the query for UBR and reconciled kWhs for GA true-up for 2017 and Jan. to May 2018; the result was that the amount of \$113,562 pertaining to 2017 RPP GA true-up was debited to 1589.	Yes	
Note 6	<b>Adjusted Net Change in Principal Balance in the GL</b>	-\$ 139,811			
	<b>Net Change in Expected GA Balance in the Year Per Analysis</b>	-\$ 68,191			
	<b>Unresolved Difference</b>	-\$ 71,620			
	<b>Unresolved Difference as % of Expected GA Payments to IESO</b>	<u>-0.2%</u>			

# GA Analysis Workform

**Account 1589 Global Adjustment (GA) Analysis Workform**

Input cells   
 Drop down cells

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

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

Year	2019			
Total Metered excluding WMP	C = A+B	1,625,104,606	kWh	100%
RPP	A	529,133,769	kWh	32.6%
Non-RPP	B = D+E	1,095,970,837	kWh	67.4%
Non-RPP Class A	D	748,588,669	kWh	46.1%
Non-RPP Class B*	E	347,382,168	kWh	21.4%

\*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

**GA Billing Rate Description**  
 Guelph RZ bills customers based on the GA first estimate, and the IESO charges GA based on actual GA rates. Guelph RZ applies GA first estimate on all billing and unbilled revenue transactions for non-RPP Class B customers in each customer class.

Note 4 **Analysis of Expected GA Amount**

Year	2019								
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	29,980,845	26,920,932	26,294,394	29,354,307	0.06741	\$ 1,978,774	0.08092	\$ 2,375,351	\$ 396,577
February	29,868,863	26,294,394	26,485,887	30,060,356	0.09657	\$ 2,902,929	0.08812	\$ 2,648,919	-\$ 254,010
March	30,822,271	26,485,887	20,558,349	24,894,733	0.08105	\$ 2,017,718	0.08041	\$ 2,001,785	-\$ 15,933
April	27,815,143	20,558,349	17,781,165	25,037,958	0.08129	\$ 2,035,336	0.12333	\$ 3,087,931	\$ 1,052,596
May	31,261,122	17,781,165	13,797,954	27,277,912	0.12860	\$ 3,507,939	0.12604	\$ 3,438,108	-\$ 69,831
June	21,854,188	13,797,954	22,630,679	30,686,912	0.12444	\$ 3,818,679	0.13728	\$ 4,212,699	\$ 394,020
July	27,271,718	22,630,679	24,146,313	28,787,352	0.13527	\$ 3,894,065	0.09645	\$ 2,776,540	-\$ 1,117,525
August	31,536,157	24,146,313	24,738,138	32,127,983	0.07211	\$ 2,316,749	0.12607	\$ 4,050,375	\$ 1,733,626
September	32,292,641	24,738,138	27,201,721	34,756,223	0.12934	\$ 4,495,370	0.12263	\$ 4,262,156	-\$ 233,214
October	30,968,681	27,201,721	20,113,187	23,880,147	0.17878	\$ 4,269,293	0.13680	\$ 3,266,804	-\$ 1,002,489
November	29,509,305	20,113,187	27,642,935	37,039,053	0.10727	\$ 3,973,179	0.09953	\$ 3,686,497	-\$ 286,682
December	30,287,862	27,642,935	24,143,067	26,787,994	0.08569	\$ 2,295,463	0.09321	\$ 2,496,909	\$ 201,446
<b>Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)</b>	<b>353,468,797</b>	<b>278,311,655</b>	<b>275,533,790</b>	<b>350,690,931</b>		<b>\$ 37,505,494</b>		<b>\$ 38,304,074</b>	<b>\$ 798,580</b>

Calculated Loss Factor   
 Most Recent Approved Loss Factor for Secondary   
 Difference

b) Please provide an explanation in the textbox below if the difference in loss factor is greater than 1%

Guelph's December 2018 unbilled estimate for Non-RPP Class B consumption was higher than the actuals, which caused the 2018 calculated loss factor to be higher than Guelph's approved loss factor. When the December 2018 unbilled estimate reversed in 2019, this caused the 2019 loss factor to be lower than Guelph's approved loss factor.



Note 5 Reconciling Items

	Item	Amount (Quantify if it is a significant reconciling item)	Explanation	Principal Adjustments	
				Principal Adjustment on DVA Continuity	If "no", please provide an explanation
	<b>Net Change in Principal Balance in the GL (i.e. Transactions in the Year)</b>	<b>\$ 2,601,202</b>			
1a	Remove impacts to GA from prior year RPP Settlement true up process that are booked in current year	-\$ 220,196.07	DR \$220k related to prior year but included in the GL in the current year, therefore, should record CR in current year	Yes	
1b	Add impacts to GA from current year RPP Settlement true up process that are booked in subsequent year	-\$ 188,031.29	DR \$188k relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year	Yes	
2a	Remove prior year end unbilled to actual revenue differences		DR \$k related to prior year but included in the GL in the current year, therefore, should record CR in current year		
2b	Add current unbilled to actual revenue differences	-\$ 1,414,014	DR \$1,414k relates to current year but recorded in the GL in the following year, therefore, should record the CR in current year	Yes	
3a	Remove difference between prior year accrual to forecast from long term load transfers		No difference between prior year accrual to forecast from long term load transfers		
3b	Add difference between current year accrual to forecast from long term load transfers		No difference between current year accrual to forecast from long term load transfers		
4	Remove GA balances pertaining to Class A customers		Insignificant amount relating to Class A customers		
5	Significant prior period billing adjustments included in current year GL balance but would not be included in the billing consumption used in the GA Analysis		No significant prior period billing adjustments		
6	Differences in GA IESO posted rate and rate charged on IESO invoice		Not a reconciling item		
7					
8					
9					
10					

Note 6	<b>Adjusted Net Change in Principal Balance in the GL</b>	\$ 778,961
	<b>Net Change in Expected GA Balance in the Year Per Analy</b>	\$ 798,580
	<b>Unresolved Difference</b>	-\$ 19,619
	<b>Unresolved Difference as % of Expected GA Payments to</b>	<u>-0.1%</u>

## GA Analysis Workform - Account 1588 and 1589 Principal Adjustment Reconciliation

Note 7 Breakdown of principal adjustments included in last approved balance:

Account 1589 - RSVA Global Adjustment			
Adjustment Description	Amount	To be reversed in current application?	Explanation if not to be reversed in current application
1 Prior year (2017) RPP GA True-up recorded in 2018	(145,888)	Yes	
2 RPP portion of 2017 IESO Invoice Adjustments returned to IESO in 2018	414,493	Yes	
3 Prior year (2016) RPP GA True-up recorded in 2017	(54,994)	No	Related to Prior Year
4			
5			
6			
7			
8			
<b>Total</b>	<b>213,611</b>		
<b>Total principal adjustments included in last approved balance</b>	<b>213,611</b>		
<b>Difference</b>	<b>0</b>		

Account 1588 - RSVA Power			
Adjustment Description	Amount	To be Reversed in Current Application?	Explanation if not to be reversed in current application
1			
2			
3			
4			
5			
6			
7			
8			
<b>Total</b>	<b>-</b>		
<b>Total principal adjustments included in last approved balance</b>	<b>-</b>		
<b>Difference</b>	<b>-</b>		

Note 8 Principal adjustment reconciliation in current application

**Notes**

- 1) The "Transaction" column in the DVA Continuity Schedule is to equal the transactions in the general ledger (excluding transactions relating to the removal of approved disposition amounts as that is shown in a separate column in the DVA Continuity Schedule)
- 2) Any principal adjustments needed to adjust the transactions in the general ledger to the amount that should be requested for disposition should be shown separately in the "Principal Adjustments" column of the DVA Continuity Schedule
- 3) The "Variance RRR vs. 2019 Balance" column should equal principal adjustments made in the current disposition period. It should not be impacted by reversals from prior year approved principal adjustments.

Complete the table below for the current disposition period. Complete a table for each year included in the balance under review in this rate application. The number of tables to be completed is automatically generated based on data provided in the Information Sheet

Account 1589 - RSVA Global Adjustment			
Year	Adjustment Description	Amount	Year Recorded in GL
2018	<i>Reversals of prior approved principal adjustments (auto-populated from table above)</i>		
	1	145,888	2018
	2	(414,492.76)	2018
	3		
	4		
	5		
	6		
	8		
	<b>Total Reversal Principal Adjustments</b>	<b>(268,605)</b>	
2018	<i>Current year principal adjustments</i>		
	1	220,196	2019
	2		
	3	223,075	2019
	4		
	5	(113,562)	2019
	6	(23,739)	2019
	8		
	<b>Total Current Year Principal Adjustments</b>	<b>305,969</b>	
	<b>Total Principal Adjustments to be Included on DVA Continuity Schedule</b>	<b>37,364</b>	

Account 1588 - RSVA Power			
Year	Adjustment Description	Amount	Year Recorded in GL
2018	<i>Reversals of prior approved principal adjustments (auto-populated from table above)</i>		
	1		
	2		
	3		
	4		
	5		
	6		
	8		
	<b>Total Reversal Principal Adjustments</b>	<b>-</b>	
2018	<i>Current year principal adjustments</i>		
	1		
	2		
	3		
	4	1,736,852	2,019
	5		
	6		
	8		
	<b>Total Current Year Principal Adjustments</b>	<b>1,736,852</b>	
	<b>Total Principal Adjustments to be Included on DVA Continuity Schedule</b>	<b>1,736,852</b>	

Account 1589 - RSVA Global Adjustment			
Year	Adjustment Description	Amount	Year Recorded in GL
2019	<i>Reversals of prior year principal adjustments</i>		
	1	(220,196)	2019
	2		
	3		
	4		
	5		
	6		
	8		
	<b>Total Reversal Principal Adjustments</b>	<b>(220,196)</b>	
2019	<i>Current year principal adjustments</i>		
	1	(188,031)	2020
	2	(1,414,014)	2020
	3		
	4		
	5		
	6		
	8		
	<b>Total Current Year Principal Adjustments</b>	<b>(1,602,045)</b>	
	<b>Total Principal Adjustments to be Included on DVA Continuity Schedule</b>	<b>(1,822,241)</b>	

Account 1588 - RSVA Power			
Year	Adjustment Description	Amount	Year Recorded in GL
2019	<i>Reversals of prior year principal adjustments</i>		
	1		
	2		
	3		
	4		
	5		
	6		
	8		
	<b>Total Reversal Principal Adjustments</b>	<b>-</b>	
2019	<i>Current year principal adjustments</i>		
	1	54,586	2020
	2		
	3		
	4		
	5		
	6		
	8		
	<b>Total Current Year Principal Adjustments</b>	<b>54,586</b>	
	<b>Total Principal Adjustments to be Included on DVA Continuity Schedule</b>	<b>54,586</b>	

	1st True-up				2nd True-up			
	GA True-up	Payment	RPP True-up	Payment	GA True-up	Payment	RPP True-up	Payment
Jan-19	\$ (105,937.02)	To IESO	\$ (1,862.57)	To IESO	\$ 4,236.58	From IESO	\$ (27,856.10)	To IESO
Feb-19	\$ 268,057.03	From IESO	\$ (1,589.97)	To IESO	\$ 5,028.79	From IESO	\$ (6,851.13)	To IESO
Mar-19	\$ 222,950.29	From IESO	\$ (1,534.14)	To IESO	\$ (427.85)	To IESO	\$ (18,328.85)	To IESO
Apr-19	\$ (61,919.37)	To IESO	\$ (767.32)	To IESO	\$ (35,056.14)	To IESO	\$ 30,631.82	From IESO
May-19	\$ (151,088.97)	To IESO	\$ (360.11)	To IESO	\$ 508,405.37	From IESO	\$ (334,176.39)	To IESO
Jun-19	\$ (702,776.74)	To IESO	\$ 145,652.72	From IESO	\$ 291,241.24	From IESO	\$ (192,758.98)	To IESO
Jul-19	\$ 433,478.35	From IESO	\$ (1,434.97)	To IESO	\$ 78,239.87	From IESO	\$ (147,953.72)	To IESO
Aug-19	\$ 787,132.14	From IESO	\$ (1,124.00)	To IESO	\$ (10,105.30)	To IESO	\$ (49,574.03)	To IESO
Sep-19	\$ (1,689,691.73)	To IESO	\$ (10,177.11)	To IESO	\$ (21,007.63)	To IESO	\$ (27,677.91)	To IESO
Oct-19	\$ 724,012.37	From IESO	\$ (1,575.08)	To IESO	\$ 64,596.10	From IESO	\$ (33,472.95)	To IESO
Nov-19	\$ (68,102.48)	To IESO	\$ (3,102.04)	To IESO	\$ (23,640.08)	To IESO	\$ 25,180.06	From IESO
Dec-19	\$ 128,005.69	From IESO	\$ (1,580.62)	To IESO	\$ 83,665.68	From IESO	\$ (78,185.04)	To IESO

2nd True-up filed in January 2020

1st True-up filed in January 2020; 2nd True-up filed in February 2020

## GA true-up

### Based on CIS Billed Revenue Query

2017	Kwh submitted	Actual UBR Billed (latter half of load month) kWh	kWh Actual (accrued for UBR)	Estimated GA Rate	Actual GA Rate	Settled Amount including initial true up	Actual Billed (load month) GA Amount	Actual True-Up [\$] based on Actual UBR minus estimated UBR	
January	46,009,323.42	26,251,504.24	50,996,363.80	\$0.08677	\$0.08227	\$3,785,187.04	\$4,195,470.85	\$410,283.81	Payment from IESO
February	41,951,279.31	22,367,555.52	38,067,330.59	\$0.08430	\$0.08639	\$3,624,171.02	\$3,288,636.69	-\$335,534.33	payment to IESO
March	50,191,187.59	19,720,330.32	47,543,962.39	\$0.06886	\$0.07135	\$3,581,141.23	\$3,392,261.72	-\$188,879.52	payment to IESO
April	35,981,326.34	23,978,743.39	40,239,739.41	\$0.10218	\$0.10778	\$3,878,067.35	\$4,337,039.11	\$458,971.76	Payment from IESO
May	42,862,231.72	17,285,944.31	36,169,432.64	\$0.12776	\$0.12307	\$5,275,054.86	\$4,451,372.08	-\$823,682.78	payment to IESO
June	34,873,658.48	23,428,339.59	41,016,053.76	\$0.12563	\$0.11848	\$4,131,831.06	\$4,859,582.05	\$727,750.99	Payment from IESO
July	42,291,201.66	24,789,047.84	43,651,909.91	\$0.10197	\$0.11280	\$4,770,447.55	\$4,923,935.44	\$153,487.89	Payment from IESO
August	46,053,694.59	20,170,905.13	41,435,551.88	\$0.10476	\$0.10109	\$4,655,567.99	\$4,188,719.94	-\$466,848.05	payment to IESO
September	40,314,060.14	25,962,448.68	46,105,603.69	\$0.09895	\$0.08864	\$3,573,438.29	\$4,086,800.71	\$513,362.42	Payment from IESO
October	41,825,474.41	23,337,393.08	39,200,418.81	\$0.11973	\$0.12563	\$5,254,534.35	\$4,924,748.62	-\$329,785.74	payment to IESO
November	39,696,378.06	21,264,463.86	37,623,448.84	\$0.09669	\$0.09704	\$3,852,136.53	\$3,650,979.48	-\$201,157.05	payment to IESO
December	41,999,774.21	25,847,467.62	46,582,777.97	\$0.09669	\$0.09207	\$4,060,958.17	\$4,288,876.37	\$227,918.20	Payment from IESO
<b>Total</b>	<b>504,049,589.93</b>	<b>274,404,143.58</b>	<b>508,632,593.69</b>			<b>\$50,442,535.43</b>	<b>\$50,588,423.04</b>	<b>\$145,887.61</b>	

2018	Kwh submitted	Actual UBR Billed (latter half of load month) kWh	kWh Actual (accrued for UBR)	Estimated GA Rate	Actual GA Rate	Settled-to-date Amount	Actual Billed (load month) GA Amount	Actual True-Up [\$] based on Actual UBR minus estimated UBR	
January	56,569,523.43	30,429,369.42	59,479,867.35	\$ 0.06370	\$ 0.06736	\$3,603,478.64	\$4,006,563.86	\$403,085.22	Payment from IESO
February	40,556,702.60	24,644,704.53	34,772,037.71	\$ 0.07705	\$ 0.08167	\$3,124,893.94	\$2,839,832.32	-\$285,061.62	Payment to IESO
March	53,934,499.25	26,988,020.20	56,277,814.92	\$ 0.08595	\$ 0.09481	\$4,635,670.21	\$5,335,699.63	\$700,029.42	Payment from IESO
April	35,163,117.45	22,934,217.22	31,109,314.47	\$ 0.10074	\$ 0.09959	\$3,542,332.45	\$3,098,176.63	-\$444,155.82	Payment to IESO
May	50,874,921.53	24,193,863.06	52,134,567.37	\$ 0.13199	\$ 0.10793	\$6,714,980.89	\$5,626,883.86	-\$1,088,097.04	Payment to IESO
June	38,291,731.07	23,110,535.50	37,208,403.51	\$ 0.10239	\$ 0.11896	\$3,920,690.34	\$4,426,311.68	\$505,621.34	Payment from IESO
July	47,240,242.68	27,404,310.54	51,534,017.72	\$ 0.08123	\$ 0.07737	\$3,837,324.91	\$3,987,186.95	\$149,862.04	Payment from IESO
August	53,137,660.06	30,050,554.59	55,783,904.11	\$ 0.07324	\$ 0.07490	\$3,891,802.22	\$4,178,214.42	\$286,412.20	Payment from IESO
September	40,416,553.20	25,348,339.88	35,714,338.49	\$ 0.08660	\$ 0.08584	\$3,500,073.51	\$3,065,718.82	-\$434,354.69	Payment to IESO
October	53,737,551.37	24,644,897.89	53,034,109.38	\$ 0.11998	\$ 0.12059	\$6,447,431.41	\$6,395,383.25	-\$52,048.16	Payment to IESO
November	39,457,654.88	30,021,089.24	44,833,846.23	\$ 0.10540	\$ 0.09855	\$4,158,836.82	\$4,418,375.55	\$259,538.72	Payment from IESO
December	36,698,003.36	25,376,730.28	32,053,644.40	\$ 0.07067	\$ 0.07404	\$2,593,447.90	\$2,373,251.83	-\$220,196.07	Payment to IESO

2018 Global Adjustment Analysis

Input cells				
Allocation Method for Class B RSVA-Global Adjustment				
Total Metered excluding WMP	C = A+B	1,671,900,470	kWh	100%
RPP	A	532,946,022	kWh	31.9%
Non-RPP	B = D+E	1,138,954,449	kWh	68.1%
Non-RPP Class A	D	779,216,990	kWh	46.6%
Non-RPP Class B*	E	359,737,459	kWh	21.5%

remove wmp

remove WMP

Class B (Non RPP and Non Class A) RSVA GA Analysis - Allocation Method												
Billed Class B Non-RPP Spot kWh *	Actual Month Unbilled kWh	Previous Month Unbilled kWh	UBR true-up kWh	kWh True-up	UBR true-up \$	First Estimate GA Rate \$/kWh	Actual GA Rate \$/kWh	Retail - Final \$/kWh	Class B Non-RPP @ 1st Estimate GA	Class B Non-RPP @ Actual GA	Est. Variance Retail less Final	
A - Done	B - Done	C - Done	D-B-C - Done	E-A-B-C - Done	F - Done	G - Done	H - Done	I-G-H - Done	J-E x G	K-E x H	L-K-J	
Dec-17	33,367,896	23,548,237	33,115,105	(9,566,868)	23,801,029	(\$711,560)	\$0.08777	\$0.08736	\$0.02941	\$2,089,016	\$1,603,237	(\$485,779)
Jan-18	33,760,540	21,111,720	23,548,237	(2,436,517)	31,324,023	(\$518,706)	\$0.07333	\$0.08167	(\$0.00834)	\$2,296,991	\$2,558,233	\$261,242
Feb-18	33,077,199	24,388,102	21,111,720	3,276,382	36,353,581	\$372,928	\$0.07877	\$0.09481	(\$0.01604)	\$2,863,572	\$3,446,683	\$583,111
Mar-18	31,382,198	22,181,728	24,388,102	(2,206,374)	29,175,824	\$254,977	\$0.09810	\$0.09959	(\$0.00149)	\$2,862,148	\$2,905,620	\$43,472
Apr-18	36,708,619	23,209,095	22,181,728	1,027,367	37,735,986	\$3,771	\$0.09392	\$0.10793	(\$0.01401)	\$3,544,164	\$4,072,845	\$528,681
May-18	31,525,927	22,196,010	23,209,095	(1,013,085)	30,512,942	\$780,262	\$0.13356	\$0.11896	\$0.01440	\$4,069,193	\$3,629,808	(\$439,385)
Jun-18	31,394,099	23,162,790	22,196,010	966,780	32,361,479	(\$990,359)	\$0.08502	\$0.07737	\$0.00765	\$2,751,373	\$2,303,808	(\$447,565)
Jul-18	33,669,953	21,464,531	23,162,790	(1,698,259)	31,971,694	(\$297,213)	\$0.07790	\$0.07490	\$0.00300	\$2,490,595	\$2,394,680	(\$95,915)
Aug-18	27,061,113	19,789,981	21,464,531	(1,674,550)	25,386,563	(\$4,979)	\$0.08424	\$0.08584	(\$0.00160)	\$2,138,564	\$2,179,183	\$40,619
Sep-18	31,394,962	21,082,926	19,789,981	1,292,945	32,687,907	\$213,700	\$0.08921	\$0.12059	(\$0.03138)	\$2,916,088	\$3,941,835	\$1,025,747
Oct-18	27,030,332	24,055,452	21,082,926	2,972,526	30,802,858	\$1,062,377	\$0.12235	\$0.09855	\$0.02380	\$3,670,850	\$2,956,782	(\$714,068)
Nov-18	28,815,169	26,920,932	24,055,452	2,865,481	31,880,650	(\$466,927)	\$0.09198	\$0.07944	\$0.01254	\$2,913,986	\$2,345,635	(\$568,351)
Dec-18	379,188,607	273,111,502	279,305,674	(6,194,172)	372,994,435	(302,501)	\$0.09500	\$0.09180	\$0.00320	\$34,606,539	\$34,538,348	(\$68,191)

2018 IRM Rate Continuity Schedule Amount Difference (\$2,229,900) B (\$2,161,709) A-B

Table 5  
The Difference Between the Actual UBR and UBR calculated at 1st Estimate GA Rate

	Posted	1st estimate	Difference
31-Dec-17	\$2,973,978.02	\$2,778,688.42	\$195,289.60
31-Dec-18	\$ 2,670,720.25	\$ 2,476,187.36	\$194,532.89

M-N-B/G-CxH at previous month rate	N			
Billed 1st estimate (query)+UBR true-up	Query - Billed	Billed Average Rate	1st estimate	Monthly average GA rate billed to customers in 2018
\$2,282,325.56	\$2,994,185	\$0.08973	\$0.08777	
\$2,409,117.37	\$2,927,824	\$0.08672	\$0.07353	\$0.08055
\$2,910,144.81	\$2,537,216	\$0.07671	\$0.07877	\$0.07605
\$2,707,679.60	\$2,452,703	\$0.07816	\$0.08810	\$0.08844
\$3,448,242.52	\$3,444,472	\$0.09383	\$0.09392	\$0.09601
\$3,163,622.77	\$2,383,361	\$0.07560	\$0.13336	\$0.11364
\$2,899,898.29	\$3,880,638	\$0.12361	\$0.08502	\$0.10916
\$2,847,818.40	\$3,145,032	\$0.09341	\$0.07790	\$0.08146
\$2,139,670.68	\$2,144,650	\$0.07925	\$0.08424	\$0.08107
\$2,815,913.72	\$2,602,214	\$0.08289	\$0.08921	\$0.08673
\$3,467,991.79	\$2,405,615	\$0.08900	\$0.12235	\$0.10578
\$2,836,203.25	\$3,303,200	\$0.11463	\$0.09198	\$0.10717
<b>Total:</b>	<b>\$33,918,628.77</b>	<b>\$34,221,130</b>		
	<b>\$687,910</b>			

31-Dec-18

GA	Queried \$	Queried kWh	1st Estimate	UBR at 1st Estimate \$
L2	117.89	1,095.96	\$0.09198	100.81
L3	1,282,920.28	12,622,705.80	\$0.09198	1,161,036.48
L4	1,360,240.83	12,752,928.52	\$0.09198	1,173,014.37
L5	2,243,708.77	22,671,907.45	\$0.09198	2,085,362.05
L6	71,063.96	772,602.31	\$0.09198	71,063.96
L7	-	-	\$0.09198	-
L9	355,947.52	3,476,422.62	\$0.09198	319,761.35
Non-RPP Class B GA	\$ 2,670,720.25	-	-	\$ 2,476,187.36
				Difference \$ 194,532.89

Posted ^ 0 @ 1st Estimate GA rate

```

UT790001 GUELPH HYDRO 4/01/19
Daily Consumption Maintenance 09:50:48

Service ..... N NON COMPETITIVE CHG
Rate group ..... /

Select Date Range for Average Calculation
Type information, press Enter.
Date range from 12/14/17 To 1/15/18
Cumulative cost from 1/15/18 (R) ..... 419,394,801.7944
Cumulative cost from 12/14/17 (D) ..... 406,736,382.9844
Cumulative consumption from 1/15/18 (C) ..... 9,863,456,978.00
Cumulative consumption from 12/14/17 (D) ..... 9,786,595,939.00
Average ((A - B) / (C - D)) ..... .085800
F12=Cancel
    
```

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UT790001 GUELPH HYDRO 4/01/19
Daily Consumption Maintenance 09:47:19

Service ..... N NON COMPETITIVE CHG
Rate group ..... /

Select Date Range for Average Calculation
Type information, press Enter.
Date range from 12/14/18 To 1/15/19
Cumulative cost from 1/15/19 (R) ..... 495,357,180.6444
Cumulative cost from 12/14/18 (B) ..... 479,678,652.1244
Cumulative consumption from 1/15/19 (C) ..... 10,866,907,938.00
Cumulative consumption from 12/14/18 (D) ..... 10,578,014,700.00
Average ((A - B) / (C - D)) ..... .080100
F12=Cancel
    
```

**2018 GA Rates****Source:** <http://www.ieso.ca/sector-participants/settlements/global-adjustment-for-class-b>

Month	1st Estimate	Actual GA
	GA	
	\$/kWh	\$/kWh
Jan-17	0.06687	0.08227
Feb-17	0.10559	0.08639
Mar-17	0.08409	0.07135
Apr-17	0.06874	0.10778
May-17	0.10623	0.12307
Jun-17	0.11954	0.11848
Jul-17	0.10652	0.11280
Aug-17	0.11500	0.10109
Sep-17	0.12739	0.08864
Oct-17	0.10212	0.12563
Nov-17	0.11164	0.09704
Dec-17	0.08391	0.09207
Jan-18	0.08777	0.06736
Feb-18	0.07333	0.08167
Mar-18	0.07877	0.09481
Apr-18	0.09810	0.09959
May-18	0.09392	0.10793
Jun-18	0.13336	0.11896
Jul-18	0.08502	0.07737
Aug-18	0.07790	0.07490
Sep-18	0.08424	0.08584
Oct-18	0.08921	0.12059
Nov-18	0.12235	0.09855
Dec-18	0.09198	0.07404

1. Expected CT148 Calculated vs. per IESO Invoices

Month	AQEW	EG	Class A	Loads pertaining to Class B (CT148)	IESO Actual GA Rate on website	Expected GA Charges Class B CT148 \$ (Calculated)	CT 148 \$ per IESO Invoice	Difference	RPP (Including Loss Factor) Billed Consumption adjusted for Unbilled	Estimated RPP Proportion	Adjustments pertaining to RPP	Adjustments pertaining to non-RPP Class B
	kWh	kWh	kWh	kWh	\$/kWh	\$	\$	\$	kWh	%	\$	\$
	A	B	C	D=A+B-C	E	F=D X E	G	H = G - F	I	J = I / D	K = H x J	L = H - K
Remove December 2017 true-up that was billed in Jan 2018 STPP				1,298.00	0.09207			\$ 119.51		55.86%	\$ 66.76	\$ 52.75
Jan-18	153,174,399.00	312,678.00	66,331,214.00	66,331,214.00	0.06736	\$5,870,818.93	\$5,874,062.25	\$ 3,243.32	59,479,867	68.25%	\$ 2,213.42	\$ 1,029.90
Feb-18	135,367,812.00	498,015.00	60,968,600.00	74,897,227.00	0.08167	\$6,116,856.53	\$6,116,846.23	\$ (10.30)	34,772,038	46.43%	\$ (4.78)	\$ (5.52)
Mar-18	144,464,660.00	653,373.00	66,794,577.00	78,323,456.00	0.09481	\$7,425,846.86	\$7,425,580.09	\$ (266.77)	56,277,815	71.85%	\$ (191.68)	\$ (75.09)
Apr-18	134,188,611.00	1,499,462.00	62,639,604.00	73,048,469.00	0.09959	\$7,274,897.03	\$7,275,137.71	\$ 240.68	31,109,314	42.59%	\$ 102.50	\$ 138.18
May-18	137,785,234.00	1,508,625.00	67,783,509.00	71,510,350.00	0.10793	\$7,718,112.08	\$7,718,103.18	\$ (8.90)	52,134,567	72.90%	\$ (6.49)	\$ (2.41)
Jun-18	137,868,336.00	2,049,470.00	65,117,341.00	74,800,465.00	0.11896	\$8,898,263.32	\$8,551,014.12	\$ (347,249.20)	37,208,404	49.74%	\$ (172,734.06)	\$ (174,515.13)
Jul-18	149,344,885.00	2,018,554.00	67,353,899.00	84,009,540.00	0.07737	\$6,499,818.11	\$6,502,480.29	\$ 2,662.18	51,534,018	61.34%	\$ 1,633.06	\$ 1,029.12
Aug-18	154,043,197.00	2,093,400.00	72,821,424.00	83,315,173.00	0.07490	\$6,240,306.46	\$6,240,218.42	\$ (88.04)	55,783,904	66.96%	\$ (58.95)	\$ (29.09)
Sep-18	142,504,368.00	1,699,198.00	69,615,152.00	74,588,414.00	0.08584	\$6,402,669.46	\$6,403,046.90	\$ 377.44	35,714,338	47.88%	\$ 180.73	\$ 196.72
Oct-18	140,456,587.00	1,303,877.00	70,952,016.00	70,808,448.00	0.12059	\$8,538,790.74	\$8,538,470.32	\$ (320.42)	53,034,109	74.90%	\$ (239.99)	\$ (80.43)
Nov-18	141,345,545.00	783,671.00	67,335,327.00	74,793,889.00	0.09855	\$7,370,937.76	\$7,110,057.31	\$ (260,880.45)	44,833,846	59.94%	\$ (156,380.08)	\$ (104,500.38)
Dec-18	136,642,286.00	251,938.00	59,374,290.00	77,519,934.00	0.07404	\$5,739,575.91	\$5,987,091.02	\$ 247,515.11	32,053,644	41.35%	\$ 102,344.79	\$ 145,170.32
December true-up				-	0.07404			\$ -			\$ -	\$ -
<b>Total</b>	<b>1,707,185,920.00</b>	<b>14,672,261.00</b>	<b>797,086,953.00</b>	<b>924,771,228.00</b>		<b>\$84,096,893.19</b>	<b>\$83,742,107.84</b>	<b>\$ (354,665.84)</b>	<b>543,935,865.66</b>		<b>\$ (223,074.78)</b>	<b>\$ (131,591.06)</b>

Table 4 - Alectra's Proposal

Alectra's proposal to allocate the IESO adjustments between RPP and non-RPP	\$ (354,665.84)
Estimated RPP Proportion	\$ (223,074.78)
Estimated non-RPP Proportion	\$ (131,591.06)

Payment to IESO; included in Continuity Schedule cell BF29

Total Difference \$ represent the IESO Invoice adjustments in addition to the expected GA charges based on the actual GA rates

2. STPP, STPF and IESO Monthly Invoice \$ Reconciliation for CT148

Note: the STPP, STPF and IESO Invoices include the entire month data as at month end  
IESO Monthly invoice = Current month STPP + Last Month STPF - Last Month STPP

	Current Month STPP CT148 \$	Last Month STPF CT148 \$	Last Month STPP CT148 \$	Net for the month	IESO Invoice CT148 \$	Difference
	A	B	C	D=A+B-C	E	F=D-E
Jan-18	\$ 5,874,552.89	\$ 7,684,388.10	\$ 7,684,878.74	\$ 5,874,062.25	\$5,874,062.25	\$ -
Feb-18	\$ 6,116,518.48	\$ 5,874,880.64	\$ 5,874,552.89	\$ 6,116,846.23	\$6,116,846.23	\$ -
Mar-18	\$ 7,425,415.02	\$ 6,116,683.55	\$ 6,116,518.48	\$ 7,425,580.09	\$7,425,580.09	\$ -
Apr-18	\$ 7,278,167.95	\$ 7,422,384.78	\$ 7,425,415.02	\$ 7,275,137.71	\$7,275,137.71	\$ -
May-18	\$ 7,717,902.48	\$ 7,278,493.88	\$ 7,278,167.95	\$ 7,718,228.41	\$7,718,103.18	\$ 125.23
Jun-18	\$ 8,551,026.97	\$ 7,717,889.63	\$ 7,717,902.48	\$ 8,551,014.12	\$8,551,014.12	\$ -
Jul-18	\$ 6,453,046.63	\$ 8,600,460.63	\$ 8,551,026.97	\$ 6,502,480.29	\$6,502,480.29	\$ -
Aug-18	\$ 6,242,151.28	\$ 6,451,113.77	\$ 6,453,046.63	\$ 6,240,218.42	\$6,240,218.42	\$ -
Sep-18	\$ 5,289,041.62	\$ 6,242,515.28	\$ 6,242,151.28	\$ 5,289,405.62	\$6,403,046.90	\$ (1,113,641.28)
Oct-18	\$ 5,529,319.51	\$ 6,411,810.37	\$ 5,289,041.62	\$ 6,502,088.26	\$8,538,470.32	\$ 1,113,617.94
Nov-18	\$ 7,109,802.39	\$ 8,529,574.43	\$ 8,529,319.51	\$ 7,110,057.31	\$7,110,057.31	\$ -
Dec-18	\$ 6,144,678.28	\$ 6,952,215.13	\$ 7,109,802.39	\$ 5,987,091.02	\$5,987,091.02	\$ -
<b>Total</b>	<b>\$ 82,731,623.50</b>	<b>\$ 85,282,410.19</b>	<b>\$ 84,271,823.96</b>	<b>\$ 83,742,209.73</b>	<b>\$ 83,742,107.84</b>	<b>\$ 101.89</b>

3. STPP, STPF and Loads pertaining to Class B kWh Reconciliation

	Current Month STPP CT148 kWh	Last Month STPF CT148 kWh	Last Month STPP CT148 kWh	Net for the month (kWh)	Loads pertaining to Class B (Calculated in Table 1)	Difference (kWh)
	A	B	C	D=A+B-C	E	F=D-E
Jan-18	87,155,863.00	83,390,473.00	83,391,771.00	87,154,565.00	87,155,863.00	(1,298.00)
Feb-18	74,897,227.00	87,155,863.00	87,155,863.00	74,897,227.00	74,897,227.00	-
Mar-18	78,323,456.00	74,897,227.00	74,897,227.00	78,323,456.00	78,323,456.00	-
Apr-18	95,635,542.00	78,323,456.00	78,323,456.00	95,635,542.00	95,635,542.00	22,587,073.00
May-18	73,048,469.00	73,048,469.00	95,635,542.00	50,461,396.00	71,510,350.00	(21,048,954.00)
Jun-18	74,800,465.00	71,510,350.00	73,048,469.00	73,262,346.00	74,800,465.00	(1,538,119.00)
Jul-18	84,009,540.00	74,800,465.00	74,800,465.00	84,009,540.00	84,009,540.00	-
Aug-18	83,315,173.00	84,009,540.00	84,009,540.00	83,315,173.00	83,315,173.00	-
Sep-18	74,588,414.00	83,315,173.00	83,315,173.00	74,588,414.00	74,588,414.00	-
Oct-18	70,808,448.00	74,588,414.00	74,588,414.00	70,808,448.00	70,808,448.00	-
Nov-18	72,145,545.00	70,808,448.00	70,808,448.00	72,145,545.00	74,793,889.00	(2,648,344.00)
Dec-18	77,519,934.00	74,793,889.00	72,145,545.00	80,168,278.00	77,519,934.00	2,648,344.00
<b>Total</b>	<b>946,248,076.00</b>	<b>930,641,767.00</b>	<b>952,119,913.00</b>	<b>924,769,930.00</b>	<b>924,771,228.00</b>	<b>(1,298.00)</b>

Jan-19	84,454,659.00	77,519,934.00	77,519,934.00	84,454,659.00	84,454,659	-
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Global Adjustment Adjustments in 2018  
- charge, + credit

Legend:	Applies to 2018
	Applies to various other years

IESO Charge Type	Value	Statement	Description	Applicable to
148	\$ (6,698.96)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 10/2016, Total Adjusted Amount - \$-551217.59, Total Distribution (MWh) - 8384313.564	Class B
148	\$ 9.71	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 10/2015, Total Adjusted Amount - \$815.29, Total Distribution (MWh) - 8628399.29	Class B
148	\$ 17,149.75	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 12/2015, Total Adjusted Amount - \$1520573.83, Total Distribution (MWh) - 9283635.217	Class B
148	\$ 2,536.69	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 01/2016, Total Adjusted Amount - \$228327.97, Total Distribution (MWh) - 10238681.478	Class B
148	\$ (3,741.18)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 02/2016, Total Adjusted Amount - \$-333610.22, Total Distribution (MWh) - 9476993.419	Class B
148	\$ (4,725.51)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 03/2016, Total Adjusted Amount - \$-409704.41, Total Distribution (MWh) - 9274395.494	Class B
148	\$ (4,970.85)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 04/2016, Total Adjusted Amount - \$-426214.56, Total Distribution (MWh) - 8601557.64	Class B
148	\$ (511.75)	Jan 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - \$-57213.28, Total Distribution (MWh) - 9743882.265	Class A
148	\$ (4,217.16)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 06/2016, Total Adjusted Amount - \$-370511.89, Total Distribution (MWh) - 9202274.086	Class B
148	\$ (6,268.65)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 11/2016, Total Adjusted Amount - \$-518482.14, Total Distribution (MWh) - 8578212.921	Class B
148	\$ (4,440.43)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 12/2016, Total Adjusted Amount - \$-398278.58, Total Distribution (MWh) - 9825550.081	Class B
148	\$ (4,667.64)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 05/2016, Total Adjusted Amount - \$-401311.77, Total Distribution (MWh) - 8652317.796	Class B
148	\$ (5,982.58)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 09/2016, Total Adjusted Amount - \$-503428.28, Total Distribution (MWh) - 8992096.573	Class A
148	\$ (4,077.76)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 08/2016, Total Adjusted Amount - \$-366044.01, Total Distribution (MWh) - 10956699.077	Class B
148	\$ (4,239.96)	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 07/2016, Total Adjusted Amount - \$-393133.45, Total Distribution (MWh) - 10495041.213	Class B
148	\$ 19,352.17	Jan 2018 ST-P-P	Adjustment of Global Adjustment for 11/2015, Total Adjusted Amount - \$1636248.71, Total Distribution (MWh) - 8680759.324	Class B
148	\$ (327.72)	Jan 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class B
148	\$ (4,440.43)	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 12/2016, Total Adjusted Amount - \$-398278.58, Total Distribution (MWh) - 9825550.081	Class B
148	\$ 9.71	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 10/2015, Total Adjusted Amount - \$815.29, Total Distribution (MWh) - 8628399.29	Class B
148	\$ 17,149.75	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 12/2015, Total Adjusted Amount - \$1520573.83, Total Distribution (MWh) - 9283635.217	Class B
148	\$ 2,536.69	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 01/2016, Total Adjusted Amount - \$228327.97, Total Distribution (MWh) - 10238681.478	Class B
148	\$ (3,741.18)	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 02/2016, Total Adjusted Amount - \$-333610.22, Total Distribution (MWh) - 9476993.419	Class B
148	\$ (4,725.51)	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 03/2016, Total Adjusted Amount - \$-409704.41, Total Distribution (MWh) - 9274395.494	Class B
148	\$ -4970.85	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 04/2016, Total Adjusted Amount - \$-426214.56, Total Distribution (MWh) - 8601557.64	Class B
148	\$ 19352.17	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 11/2015, Total Adjusted Amount - \$1636248.71, Total Distribution (MWh) - 8680759.324	Class B
148	\$ -511.75	Jan 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - \$-57213.28, Total Distribution (MWh) - 9743882.265	Class B
148	\$ -4217.16	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 06/2016, Total Adjusted Amount - \$-370511.89, Total Distribution (MWh) - 9202274.086	Class B
148	\$ -6268.65	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 11/2016, Total Adjusted Amount - \$-518482.14, Total Distribution (MWh) - 8578212.921	Class B
148	\$ (4,667.64)	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 05/2016, Total Adjusted Amount - \$-401311.77, Total Distribution (MWh) - 8652317.796	Class B
148	\$ (6,698.96)	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 10/2016, Total Adjusted Amount - \$-551217.59, Total Distribution (MWh) - 8384313.564	Class B
148	\$ (5,982.58)	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 09/2016, Total Adjusted Amount - \$-503428.28, Total Distribution (MWh) - 8992096.573	Class B
148	\$ -4077.76	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 08/2016, Total Adjusted Amount - \$-366044.01, Total Distribution (MWh) - 10956699.077	Class B
148	\$ -4239.96	Jan 2018 ST-P-F	Adjustment of Global Adjustment for 07/2016, Total Adjusted Amount - \$-393133.45, Total Distribution (MWh) - 10495041.213	Class B
148	\$ -0.03	Jan 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - \$-57213.28, Total Distribution (MWh) - 9743337.279	Class B
148	\$ -46267.81	Feb 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - \$-5053280.44, Total Distribution (MWh) - 8180130.014	Class B
147	\$ -91.44	Feb 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class A
148	\$ -165.03	Feb 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class B
148	\$ -0.04	Feb 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - \$-5053280.44, Total Distribution (MWh) - 8180122.027	Class B
148	\$ -41035.43	Mar 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - \$-4454479.65, Total Distribution (MWh) - 8502169.957	Class B
147	\$ -11832.61	Mar 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class A
148	\$ -20719.92	Mar 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class B
148	\$ 23750.16	Mar 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - \$-1876349.71, Total Distribution (MWh) - 8502162.578	Class B
148	\$ -401.33	April 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - \$-43057.48, Total Distribution (MWh) - 7837148.776	Class B
147	\$ -70.7	April 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class A
148	\$ -318.68	April 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class B
148	\$ -7.25	April 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - \$-43834.35, Total Distribution (MWh) - 7836940.453	Class B
147	\$ -70.7	May 2018 ST-P-P	Issue 837 - Adjustment to Global Adjustment CT 147 for trade date April 30, 2018	Class A
148	\$ -125.23	May 2018 ST-P-P	Issue 837 - Adjustment to Global Adjustment CT 148 for trade date April 30, 2018	Class B
148	\$ -4440.3	May 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - \$-479973.99, Total Distribution (MWh) - 7729903.495	Class B



148	12.84	May 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class B
148	0.01	May 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - \$-479973.99, Total Distribution (MWh) - 7729916.364	Class B
148	-48634.53	June 2018 ST-P-P	Adjustment of Global Adjustment for 05/2018, Total Adjusted Amount - \$-5257153.2, Total Distribution (MWh) - 7729916.364	Class B
148	51598.58	June 2018 ST-P-P	Issue-835 Adjustment of Class B Global Adjustment due to under-reported Class A load for September 2017	Class B
148	-2677.33	June 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - \$-290095.16, Total Distribution (MWh) - 8104808.542	Class B
148	296195.46	June 2018 ST-P-P	Issue-835 Adjustment of Class B Global Adjustment due to under-reported Class A load for October 2017	Class B
147	-419.75	June 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class A
148	-799.11	June 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class B
148	-0.02	June 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - \$-290095.16, Total Distribution (MWh) - 8104751.095	Class B
148	-48634.53	June 2018 ST-P-F	Adjustment of Global Adjustment for 05/2018, Total Adjusted Amount - \$-10514306.4, Total Distribution (MWh) - 7729916.364	Class B
148	-3847.25	July 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - \$-438880.88, Total Distribution (MWh) - 9583527.878	Class B
147	28.65	July 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class A
148	1931.73	July 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class B
148	1.13	July 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - \$-438880.88, Total Distribution (MWh) - 9586334.709	Class B
148	21868.95	August 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - \$2468997.76, Total Distribution (MWh) - 9406257.651	Class B
147	-4094535.67	September 2018 ST-P-P	Issue 860: Reversal of CT 147 for trade date 08/31/2018 that appeared on the September 26, 2018 preliminary settlement statement (PSS)	Class A
147	4822435.29	September 2018 ST-P-P	Issue 860: Reversal of CT 147 for trade date 08/31/2018 that appeared on the September 26, 2018 preliminary settlement statement (PSS)	Class A
148	3338.99	September 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - \$356320.35, Total Distribution (MWh) - 7959696.53	Class B
148	7378026.87	September 2018 ST-P-P	Issue 860: Reversal of CT 148 for trade date 08/31/2018 that appeared on the September 26, 2018 preliminary settlement statement (PSS)	Class B
148	-6264385.59	September 2018 ST-P-P	Issue 860: Reversal of CT 148 for trade date 08/31/2018 that appeared on the September 26, 2018 preliminary settlement statement (PSS)	Class B
148	-9155.58	September 2018 ST-P-F	Slight change in total provincewide kWh for current month	Class B
147	-727884.36	September 2018 ST-P-F	Issue 860: Reversal of CT 147 for trade date 08/31/2018 that appeared on the September 26, 2018 final settlement statement (FSS)	Class A
148	4.77	September 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - \$356320.35, Total Distribution (MWh) - 7948337.146	Class B
148	-1113617.94	September 2018 ST-P-F	Issue 860: Reversal of CT 148 for trade date 08/31/2018 that appeared on the September 26, 2018 final settlement statement (FSS)	Class B
148	-45.25	October 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - \$-4860.35, Total Distribution (MWh) - 7605074.466	Class B
148	-254.92	October 2018 ST-P-F		Class B
148	45.11	November 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - \$4794.48, Total Distribution (MWh) - 7668202.27	Class B
147	-72.06	November 2018 ST-P-F		Class A
148	157588.3	November 2018 ST-P-F		Class B
148	-1	November 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - \$4794.48, Total Distribution (MWh) - 8129996.362	Class B
148	-5376.93	December 2018 ST-P-P	Adjustment of Global Adjustment, Total Adjusted Amount - \$-603108.97, Total Distribution (MWh) - 8695097.125	Class B
147	-220.49	December 2018 ST-P-F		Class A
148	-6999.97	December 2018 ST-P-F		Class B
148	-5.84	December 2018 ST-P-F	Adjustment of Global Adjustment, Total Adjusted Amount - \$-603108.97, Total Distribution (MWh) - 8685675.198	Class B
	\$ 475,417.62			

**ATTACHMENT 29**  
**1595 ANALYSIS WORKFORM**  
**HORIZON UTILITIES RZ**



# 1595 Analysis Workform

**Account 1595 Analysis Workform**

Input cells  
Drop down cells


Utility Name   
**Utility name must be selected**

	Eligible for disposition?
2014 and pre-2014	No
2015	No
2016	No
2017	Yes
2018	No
2019	No

Note that vintage years 2018 and 2019 are not eligible for disposition in the current rate year application.

# 1595 Analysis Workform

Step 1

Year in which this worksheet relates to		2017							
Components of the 1595 Account Balances:		Principal Balance Approved for Disposition	Carrying Charges Balance Approved for Disposition	Total Balances Approved for Disposition	Rate Rider Amounts Collected/(Returned)	Residual Balances Pertaining to Principal and Carrying Charges Approved for Disposition	Carrying Charges Recorded on Net Principal Account Balances	Total Residual Balances	Collections/Returns Variance (%)
Total Group 1 and Group 2 Balances excluding Account 1589 - Global Adjustment		-\$10,978,405	-\$163,710	-\$11,142,115	-\$10,772,867	-\$369,248	-\$248,165	-\$617,413	3.3%
Account 1589 - Global Adjustment		\$2,612,621	\$44,945	\$2,657,566	\$2,749,331	-\$91,765	\$57,327	-\$34,437	-3.5%
Total Group 1 and Group 2 Balances		-\$8,365,784	-\$118,765	-\$8,484,549	-\$8,023,536	-\$461,013	-\$190,838	-\$651,851	5.4%
<b>Total residual balance per continuity schedule:</b>								-\$651,851	
<b>Difference (any variance should be explained):</b>								\$0	

\*Unresolved differences of +/- 10% require further analysis and explanation. Amounts originally approved for disposition based on forecasted consumption or number of customers must be compared to actual figures.

**Additional Notes and Comments**

**ATTACHMENT 30**  
**1595 ANALYSIS WORKFORM**  
**BRAMPTON RZ**



# 1595 Analysis Workform

## Account 1595 Analysis Workform

Input cells  
Drop down cells


Utility Name   
Utility name must be selected

	Eligible for disposition?
2014 and pre-2014	No
2015	No
2016	No
2017	Yes
2018	No
2019	No

Note that vintage years 2018 and 2019 are not eligible for disposition in the current rate year application.

# 1595 Analysis Workform

Step 1

Year in which this worksheet relates to		2017							
Components of the 1595 Account Balances:		Principal Balance Approved for Disposition	Carrying Charges Balance Approved for Disposition	Total Balances Approved for Disposition	Rate Rider Amounts Collected/(Returned)	Residual Balances Pertaining to Principal and Carrying Charges Approved for Disposition	Carrying Charges Recorded on Net Principal Account Balances	Total Residual Balances	Collections/Returns Variance (%)
Total Group 1 and Group 2 Balances excluding Account 1589 - Global Adjustment		-\$12,595,272	-\$174,226	-\$12,769,498	-\$12,597,836	-\$171,662	-\$127,420	-\$299,082	1.3%
Account 1589 - Global Adjustment		\$9,450,912	\$182,998	\$9,633,910	\$9,383,967	\$250,044	\$130,969	\$381,012	2.6%
Total Group 1 and Group 2 Balances		-\$3,144,360	\$8,772	-\$3,135,587	-\$3,213,969	\$78,382	\$3,548	\$81,930	-2.5%
								Total residual balance per continuity schedule:	\$81,930
								Difference (any variance should be explained):	\$0

\*Unresolved differences of +/- 10% require further analysis and explanation. Amounts originally approved for disposition based on forecasted consumption or number of customers must be compared to actual figures.

**Additional Notes and Comments**

**ATTACHMENT 31**  
**1595 ANALYSIS WORKFORM**  
**GUELPH RZ**





# 1595 Analysis Workform

**Account 1595 Analysis Workform**

Input cells  
Drop down cells


Utility Name   
Utility name must be selected

	Eligible for disposition?
2014 and pre-2014	No
2015	No
2016	No
2017	Yes
2018	No
2019	No

Note that vintage years 2018 and 2019 are not eligible for disposition in the current rate year application.

# 1595 Analysis Workform

Step 1

Year in which this worksheet relates to		2017								
Components of the 1595 Account Balances:		Principal Balance Approved for Disposition	Carrying Charges Balance Approved for Disposition	Total Balances Approved for Disposition	Rate Rider Amounts Collected/(Returned)	Residual Balances Pertaining to Principal and Carrying Charges Approved for Disposition	Carrying Charges Recorded on Net Principal Account Balances	Total Residual Balances	Collections/Returns Variance (%)	
Total Group 1 and Group 2 Balances excluding Account 1589 - Global Adjustment		-\$5,878,124	\$578,292	-\$5,299,832	-\$5,105,496	-\$194,336	-\$61,326	-\$275,662	3.7%	
Account 1589 - Global Adjustment		-\$347,498	\$3,213	-\$344,285	-\$321,379	-\$22,906	-\$848	-\$23,754	6.7%	
Total Group 1 and Group 2 Balances		-\$6,225,622	\$581,505	-\$5,644,117	-\$5,426,874	-\$217,243	-\$82,174	-\$299,416	3.8%	
Total residual balance per continuity schedule:								-\$299,416		
Difference (any variance should be explained):								\$0		

\*Unresolved differences of +/- 10% require further analysis and explanation. Amounts originally approved for disposition based on forecasted consumption or number of customers must be compared to actual figures.

**Additional Notes and Comments**

**ATTACHMENT 32**  
**RGCRP**  
**BRAMPTON RZ**

**Appendix 2-FA  
Renewable Generation Connection Investment Summary (over the rate setting period)**

Enter the details of the Renewable Generation Connection projects as described in Section 2.5.2.5 of the Filing Requirements.  
All costs entered on this page will be transferred to the appropriate cells in the appendices that follow.

**For Part A**, Renewable Enabling Improvements (REI), these amounts will be transferred to Appendix 2 - FB

**For Part B**, Expansions, these amounts will be transferred to Appendix 2 - FC

If there are more than **five** projects proposed to be in-service in a certain year, please amend the tables below and ensure that the formulae for Based on the current methodology and allocation, amounts allocated represent 6% for REI Connection Investments and 17% for Expansion

**Part A**

**REI Investments (Direct Benefit at 6%)**

**Project 1**

**Name:** *OPA FIT/MicroFIT Program Management*

Capital Costs

OM&A (Start-Up)

OM&A (Ongoing)

	2015	2016	2017	2018	2019	2020	2021
Capital Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OM&A (Start-Up)	\$117,500	\$122,500	\$110,000	\$110,000	\$110,000	\$0	\$0
OM&A (Ongoing)							

**Project 2**

**Name:** *Maintenance of Connected REG Infrastructure*

Capital Costs

OM&A (Start-Up)

OM&A (Ongoing)

Capital Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OM&A (Start-Up)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OM&A (Ongoing)	\$70,000	\$76,000	\$82,000	\$88,000	\$94,000	\$0	\$0

**Project 3**

**Name:** *Remote Monitoring and Control of REG*

Capital Costs

OM&A (Start-Up)

OM&A (Ongoing)

Capital Costs	\$180,000	\$180,000	\$180,000	\$180,000	\$180,000	\$0	\$0
OM&A (Start-Up)	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$0	\$0
OM&A (Ongoing)							

**Project 4**

**Name:** *REI Connection Project*

Capital Costs

OM&A (Start-Up)

OM&A (Ongoing)

Capital Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OM&A (Start-Up)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OM&A (Ongoing)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**Project 5**

**Name:** *REI Connection Project*

Capital Costs

OM&A (Start-Up)

OM&A (Ongoing)

Capital Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OM&A (Start-Up)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OM&A (Ongoing)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**Total Capital Costs**

**Total OM&A (Start-Up)**

**Total OM&A (Ongoing)**

<b>Total Capital Costs</b>	\$ 180,000	\$ 180,000	\$ 180,000	\$ 180,000	\$ 180,000	\$ -	\$ -
<b>Total OM&amp;A (Start-Up)</b>	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ -	\$ -
<b>Total OM&amp;A (Ongoing)</b>	\$ 187,500	\$ 198,500	\$ 192,000	\$ 198,000	\$ 204,000	\$ -	\$ -





**Appendix 2-FB**

**Calculation of Renewable Generation Connection Direct Benefits/Provincial Amount: Renewable**

	2015	2016	2017	2018	2019	2020	2021
<b>Net Fixed Assets</b>	\$ 3,600						
Enter applicable amortization in years:	15						
Opening Gross Fixed Assets	\$ 180,000	\$ 360,000	\$ 540,000	\$ 720,000	\$ 900,000	\$ 900,000	\$ 900,000
Gross Capital Additions	\$ 180,000	\$ 180,000	\$ 180,000	\$ 180,000	\$ 180,000	\$ -	\$ -
Closing Gross Fixed Assets	\$ 180,000	\$ 360,000	\$ 540,000	\$ 720,000	\$ 900,000	\$ 900,000	\$ 900,000
Opening Accumulated Amortization	\$ 6,000	\$ 24,000	\$ 54,000	\$ 96,000	\$ 150,000	\$ 210,000	\$ 210,000
Current Year Amortization (before additions)	\$ 12,000	\$ 24,000	\$ 36,000	\$ 48,000	\$ 60,000	\$ 60,000	\$ 60,000
Additions (half year)	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ -	\$ -
Closing Accumulated Amortization	\$ 6,000	\$ 24,000	\$ 54,000	\$ 96,000	\$ 150,000	\$ 210,000	\$ 270,000
Opening Net Fixed Assets	\$ -	\$ 174,000	\$ 336,000	\$ 486,000	\$ 624,000	\$ 750,000	\$ 690,000
Closing Net Fixed Assets	\$ 174,000	\$ 336,000	\$ 486,000	\$ 624,000	\$ 750,000	\$ 690,000	\$ 630,000
<b>Average Net Fixed Assets</b>	\$ 87,000	\$ 255,000	\$ 411,000	\$ 555,000	\$ 687,000	\$ 720,000	\$ 660,000

**UCC for PILs Calculation**

	2015	2016	2017	2018	2019	2020	2021
Opening UCC	\$ 172,800	\$ 331,776	\$ 478,034	\$ 612,591	\$ 736,384	\$ 677,473	\$ 677,473
Capital Additions (from Appendix 2-FA)	\$ 180,000	\$ 180,000	\$ 180,000	\$ 180,000	\$ 180,000	\$ -	\$ -
UCC Before Half Year Rule	\$ 180,000	\$ 352,800	\$ 511,776	\$ 658,034	\$ 792,591	\$ 736,384	\$ 677,473
Half Year Rule (1/2 Additions - Disposals)	\$ 90,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ -	\$ -
Reduced UCC	\$ 90,000	\$ 262,800	\$ 421,776	\$ 568,034	\$ 702,591	\$ 736,384	\$ 677,473
CCA Rate Class (to be entered)	47	47	47	47	47	47	47
CCA Rate (to be entered)	8%	8%	8%	8%	8%	8%	8%
CCA	\$ 7,200	\$ 21,024	\$ 33,742	\$ 45,443	\$ 56,207	\$ 58,911	\$ 54,198
<b>Closing UCC</b>	\$ 172,800	\$ 331,776	\$ 478,034	\$ 612,591	\$ 736,384	\$ 677,473	\$ 623,275

**Appendix 2-FC  
Calculation of Renewable Generation Connection Direct Benefits/Provincial Amount: Renewable  
Expansion Investments**

This table will calculate the distributor/provincial shares of the investments entered in Part B of Appendix 2-FA.

Enter values in green shaded cells: WCA percentage, debt percentages, interest rates, kWh, tax rates, amortization period, CCA Class and percentage.

Rate Riders are not calculated for Test Year as these assets and costs are already in the distributors rate base.

	2015 Test Year			2016			2017			2018			2019			2020			2021			
	Total	Direct Benefit 17%	Provincial 83%	Total	Direct Benefit 17%	Provincial 83%	Total	Direct Benefit 17%	Provincial 83%	Total	Direct Benefit 17%	Provincial 83%	Total	Direct Benefit 17%	Provincial 83%	Total	Direct Benefit 17%	Provincial 83%	Total	Direct Benefit 17%	Provincial 83%	
<b>Net Fixed Assets (average)</b>	\$ 48,417	\$ 8,231	\$ 40,186	\$ 130,250	\$ 22,143	\$ 108,108	\$ 197,238	\$ 33,530	\$ 163,708	\$ 264,512	\$ 44,967	\$ 219,545	\$ 332,024	\$ 56,444	\$ 275,580	\$ 361,190	\$ 61,402	\$ 299,788	\$ 351,905	\$ 59,824	\$ 292,081	
Incremental OM&A (on-going, N/A for Provincial Recovery)	\$0	\$ -	\$ -	\$0	\$ -	\$ -	\$0	\$ -	\$ -	\$0	\$ -	\$ -	\$0	\$ -	\$ -	\$0	\$ -	\$ -	\$0	\$ -	\$ -	
Incremental OM&A (start-up, applicable for Provincial Recovery)	\$9,800	\$ 1,666	\$ 8,134	\$7,000	\$ 1,190	\$ 5,810	\$7,200	\$ 1,224	\$ 5,976	\$7,400	\$ 1,258	\$ 6,142	\$7,600	\$ 1,292	\$ 6,308	\$0	\$ -	\$ -	\$0	\$ -	\$ -	
WCA		\$ 217	\$ 1,057		\$ 155	\$ 755		\$ 159	\$ 777		\$ 164	\$ 798		\$ 168	\$ 820		\$ -	\$ -		\$ -	\$ -	
<b>Rate Base</b>		\$ 8,447	\$ 41,243		\$ 22,297	\$ 108,863		\$ 33,690	\$ 164,484		\$ 45,131	\$ 220,343		\$ 56,612	\$ 276,400		\$ 61,402	\$ 299,788		\$ 59,824	\$ 292,081	
Deemed ST Debt	4%	\$ 338	\$ 1,650	\$ 892	\$ 4,355	\$ 1,348	\$ 6,579	\$ 1,805	\$ 8,814	\$ 2,264	\$ 11,056	\$ 2,456	\$ 11,992	\$ 2,456	\$ 11,992	\$ 2,456	\$ 11,992	\$ 2,456	\$ 11,992	\$ 2,393	\$ 11,683	
Deemed LT Debt	56%	\$ 4,731	\$ 23,096	\$ 12,486	\$ 60,963	\$ 18,866	\$ 92,111	\$ 25,273	\$ 123,392	\$ 31,703	\$ 154,784	\$ 34,385	\$ 167,881	\$ 34,385	\$ 167,881	\$ 34,385	\$ 167,881	\$ 34,385	\$ 167,881	\$ 33,501	\$ 163,565	
Deemed Equity	40%	\$ 3,379	\$ 16,497	\$ 8,919	\$ 43,545	\$ 13,476	\$ 65,794	\$ 18,052	\$ 88,137	\$ 22,645	\$ 110,560	\$ 24,561	\$ 119,915	\$ 24,561	\$ 119,915	\$ 24,561	\$ 119,915	\$ 24,561	\$ 119,915	\$ 23,930	\$ 116,832	
ST Interest	2.16%	\$ 7	\$ 36	\$ 19	\$ 94	\$ 29	\$ 142	\$ 39	\$ 190	\$ 49	\$ 239	\$ 53	\$ 259	\$ 53	\$ 259	\$ 53	\$ 259	\$ 53	\$ 259	\$ 52	\$ 252	
LT Interest	6.07%	\$ 287	\$ 1,403	\$ 798	\$ 3,702	\$ 1,146	\$ 5,594	\$ 1,535	\$ 7,493	\$ 1,925	\$ 9,400	\$ 2,088	\$ 10,195	\$ 2,088	\$ 10,195	\$ 2,088	\$ 10,195	\$ 2,088	\$ 10,195	\$ 2,034	\$ 9,933	
ROE	9.30%	\$ 314	\$ 1,534	\$ 829	\$ 4,050	\$ 1,253	\$ 6,119	\$ 1,679	\$ 8,197	\$ 2,106	\$ 10,282	\$ 2,284	\$ 11,152	\$ 2,284	\$ 11,152	\$ 2,284	\$ 11,152	\$ 2,284	\$ 11,152	\$ 2,225	\$ 10,865	
<b>Cost of Capital Total</b>		\$ 609	\$ 2,972	\$ 1,607	\$ 7,846	\$ 2,428	\$ 11,855	\$ 3,253	\$ 15,881	\$ 4,080	\$ 19,921	\$ 4,425	\$ 21,606	\$ 4,425	\$ 21,606	\$ 4,425	\$ 21,606	\$ 4,425	\$ 21,606	\$ 4,312	\$ 21,051	
OM&A		\$ 1,666	\$ 8,134	\$ 1,190	\$ 5,810	\$ 1,224	\$ 5,976	\$ 1,258	\$ 6,142	\$ 1,292	\$ 6,308	\$ 1,292	\$ 6,308	\$ 1,292	\$ 6,308	\$ 1,292	\$ 6,308	\$ 1,292	\$ 6,308	\$ 1,292	\$ 6,308	
Amortization		\$ 1,167	\$ 198	\$ 968	\$ 3,167	\$ 538	\$ 2,628	\$ 4,857	\$ 826	\$ 4,031	\$ 6,595	\$ 1,121	\$ 5,474	\$ 8,381	\$ 1,425	\$ 6,956	\$ 9,286	\$ 1,579	\$ 7,707	\$ 9,286	\$ 1,579	\$ 7,707
Grossed-up PILs		\$ -	\$ 55	\$ 271	\$ -	\$ 140	\$ 682	\$ -	\$ 181	\$ 883	\$ -	\$ 204	\$ 998	\$ -	\$ 212	\$ 1,033	\$ -	\$ 159	\$ 779	\$ -	\$ 56	\$ 276
<b>Revenue Requirement</b>		\$ 2,418	\$ 11,804	\$ 3,198	\$ 15,602	\$ 4,287	\$ 20,979	\$ 5,427	\$ 26,499	\$ 6,585	\$ 32,152	\$ 7,845	\$ 38,535	\$ 8,710	\$ 42,915	\$ 9,696	\$ 47,242	\$ 10,615	\$ 50,547	\$ 11,537	\$ 54,882	
Provincial Rate Protection		\$ 11,804	\$ 15,602	\$ 20,979	\$ 26,499	\$ 32,152	\$ 38,535	\$ 42,915	\$ 47,242	\$ 50,547	\$ 54,882	\$ 59,824	\$ 64,788	\$ 69,842	\$ 74,996	\$ 79,940	\$ 84,984	\$ 89,928	\$ 94,972	\$ 99,916	\$ 104,860	\$ 109,804
Monthly Amount Paid by IESO		\$ 984	\$ 1,300	\$ 1,748	\$ 2,208	\$ 2,679	\$ 3,150	\$ 3,621	\$ 4,092	\$ 4,563	\$ 5,034	\$ 5,505	\$ 5,976	\$ 6,447	\$ 6,918	\$ 7,389	\$ 7,860	\$ 8,331	\$ 8,802	\$ 9,273	\$ 9,744	\$ 10,215

Note 1: The difference between the actual costs of approved eligible investments and revenue received from the IESO should be recorded in a variance account. The Board may provide regulatory accounting guidance regarding a variance account either in an individual proceeding or on a generic basis.

Note 2: For the 2014 Test Year, Costs and Revenues of the Direct Benefit are to be included in the test year applicant Rate Base and Revenues.

**PILs Calculation**

	2015		2016		2017		2018		2019		2020		2021	
	Direct Benefit	Provincial	Direct Benefit	Provincial	Direct Benefit	Provincial	Direct Benefit	Provincial	Direct Benefit	Provincial	Direct Benefit	Provincial	Direct Benefit	Provincial
<b>Income Tax</b>														
Net Income - ROE on Rate Base	\$ 314	\$ 1,534	\$ 829	\$ 4,050	\$ 1,253	\$ 6,119	\$ 1,679	\$ 8,197	\$ 2,106	\$ 10,282	\$ 2,284	\$ 11,152	\$ 2,225	\$ 10,865
Amortization (17% DB and 83% P)	\$ 198	\$ 968	\$ 538	\$ 2,628	\$ 826	\$ 4,031	\$ 1,121	\$ 5,474	\$ 1,425	\$ 6,956	\$ 1,579	\$ 7,707	\$ 1,579	\$ 7,707
CCA (17% DB and 83% P)	\$ -	\$ 3,254	\$ -	\$ 8,571	\$ -	\$ 23,600	\$ -	\$ 66,439	\$ -	\$ 181,014	\$ -	\$ 501,019	\$ -	\$ 1,393,337
<b>Taxable Income</b>	\$ -	\$ 751	\$ -	\$ 1,893	\$ -	\$ 5,022	\$ -	\$ 13,867	\$ -	\$ 37,896	\$ -	\$ 101,445	\$ -	\$ 277,933
Tax Rate (to be entered)	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%
Income Taxes Payable	\$ -	\$ 199.02	\$ -	\$ 501.61	\$ -	\$ 1,329.57	\$ -	\$ 3,674.81	\$ -	\$ 10,032.36	\$ -	\$ 26,893.93	\$ -	\$ 73,558.24
<b>Gross Up</b>														
Income Taxes Payable	\$ -	\$ 270.78	\$ -	\$ 682.47	\$ -	\$ 1,808.88	\$ -	\$ 5,031.11	\$ -	\$ 13,333.14	\$ -	\$ 34,540.56	\$ -	\$ 94,816.68
<b>Grossed Up PILs</b>	\$ -	\$ 271	\$ -	\$ 682	\$ -	\$ 1,811	\$ -	\$ 5,033	\$ -	\$ 13,333	\$ -	\$ 34,541	\$ -	\$ 94,817



**Appendix 2-FC  
Calculation of Renewable Generation Connection Direct Benefits/Provincial Amount: Renewable  
Expansion Investments**

<b>Net Fixed Assets</b>		2015	2016	2017	2018	2019	2020	2021
Enter applicable amortization in years: 42								
Opening Gross Fixed Assets		\$ 98,000	\$ 168,000	\$ 240,000	\$ 314,000	\$ 390,000	\$ 390,000	\$ 390,000
Gross Capital Additions		\$ 98,000	\$ 70,000	\$ 72,000	\$ 74,000	\$ 76,000	\$ -	\$ -
Closing Gross Fixed Assets		\$ 98,000	\$ 168,000	\$ 240,000	\$ 314,000	\$ 390,000	\$ 390,000	\$ 390,000
Opening Accumulated Amortization		\$ 1,167	\$ 4,333	\$ 9,190	\$ 15,786	\$ 24,167	\$ 33,452	\$ 33,452
Current Year Amortization (before additions)		\$ 2,333	\$ 4,000	\$ 5,714	\$ 7,476	\$ 9,286	\$ 9,286	\$ 9,286
Additions (half year)		\$ 1,167	\$ 833	\$ 857	\$ 881	\$ 905	\$ -	\$ -
Closing Accumulated Amortization		\$ 1,167	\$ 4,333	\$ 9,190	\$ 15,786	\$ 24,167	\$ 33,452	\$ 42,738
Opening Net Fixed Assets		\$ -	\$ 96,833	\$ 163,667	\$ 230,810	\$ 298,214	\$ 365,833	\$ 356,548
Closing Net Fixed Assets		\$ 96,833	\$ 163,667	\$ 230,810	\$ 298,214	\$ 365,833	\$ 356,548	\$ 347,262
<b>Average Net Fixed Assets</b>		\$ 48,417	\$ 130,250	\$ 197,238	\$ 284,512	\$ 332,024	\$ 361,190	\$ 351,905

<b>UCC for PILs Calculation</b>		2015	2016	2017	2018	2019	2020	2021
Opening UCC		\$ 94,080	\$ 153,754	\$ 210,573	\$ 284,767	\$ 316,546	\$ 291,222	\$ 291,222
Capital Additions (from Appendix 2-FA)		\$ 98,000	\$ 70,000	\$ 72,000	\$ 74,000	\$ 76,000	\$ -	\$ -
UCC Before Half Year Rule		\$ 98,000	\$ 164,080	\$ 225,754	\$ 284,573	\$ 340,767	\$ 316,546	\$ 291,222
Half Year Rule (1/2 Additions - Disposals)		\$ 49,000	\$ 35,000	\$ 36,000	\$ 37,000	\$ 38,000	\$ -	\$ -
Reduced UCC		\$ 49,000	\$ 129,080	\$ 189,754	\$ 247,573	\$ 302,767	\$ 316,546	\$ 291,222
CCA Rate Class (to be entered)	47	47	47	47	47	47	47	47
CCA Rate (to be entered)	8%	8%	8%	8%	8%	8%	8%	8%
CCA		\$ 3,920	\$ 10,326	\$ 15,180	\$ 19,806	\$ 24,221	\$ 25,324	\$ 23,298
<b>Closing UCC</b>		\$ 94,080	\$ 153,754	\$ 210,573	\$ 264,767	\$ 316,546	\$ 291,222	\$ 267,925

**ATTACHMENT 33**  
**RGCRP**  
**POWERSTREAM RZ**

**PowerStream Inc**  
**Renewable Generation Connection Rate Protection**  
**Compensation Amounts under Ontario Regulation 330/09**

**Summary of Revenue Requirement for Recovery in 2016 - 2020**  
**RGC Eligible Investments**

	Board Approved RR Basis			Proposed for Recoveries - TEST YEARS					
	2013 (EB-2012-0161)	2014 (EB-2013-0166)	2015 (EB-2014-0608)	2016	2017	2018	2019	2020	2021
2011 & Prior RGC Investmentt	\$162,684	\$67,769	\$53,805						
2012 RGC Investment		\$146,070	\$61,132						
2013 RGC Investment			\$146,353						
2014 RGC Investment				\$150,269 <sup>(1)</sup>					
2015 RGC Investment				\$4,208 <sup>(2)</sup>					
2010-2020 RGC Investment				\$272,792	\$271,060	\$266,079	\$260,517	\$256,894	\$252,940
	\$162,684	\$213,839	\$261,290	\$427,270	\$271,060	\$266,079	\$260,517	\$256,894	\$252,940

NOTES:

- (1) Revenue Requirement for 2014 and 2015
- (2) Revenue Requirement for 2015

**PowerStream Inc**  
**Renewable Generation Connection Rate Protection**  
**Compensation Amounts under Ontario Regulation 330/09**

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021												
Net Fixed Assets	\$ 40,060	\$ 275,566	\$ 747,921	\$ 1,357,994	\$ 2,165,791	\$ 2,619,174	\$ 2,576,445	\$ 2,501,089	\$ 2,394,161	\$ 2,288,879	\$ 2,184,420	\$ 2,079,961												
OM&A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -												
WCA	13.0%	13.0%	13.0%	13.0%	13.0%	13.0%	13.0%	13.0%	13.0%	13.0%	13.0%	13.0%												
Rate Base	\$ 40,060	\$ 275,566	\$ 747,921	\$ 1,357,994	\$ 2,165,791	\$ 2,619,174	\$ 2,576,445	\$ 2,501,089	\$ 2,394,161	\$ 2,288,879	\$ 2,184,420	\$ 2,079,961												
Deemed ST Debt	4%	\$ 1,602	4%	\$ 11,023	4%	\$ 29,917	4%	\$ 54,320	4%	\$ 86,631.65	4%	\$ 104,767	4%	\$ 103,058	4%	\$ 100,044	4%	\$ 95,766	4%	\$ 91,555	4%	\$ 87,377	4%	\$ 83,198
Deemed LT Debt	56%	\$ 22,433	56%	\$ 154,317	56%	\$ 418,835	56%	\$ 760,477	56%	\$ 1,212,843	56%	\$ 1,466,737	56%	\$ 1,442,809	56%	\$ 1,400,610	56%	\$ 1,340,730	56%	\$ 1,281,772	56%	\$ 1,223,275	56%	\$ 1,164,778
Deemed Equity	40%	\$ 16,024	40%	\$ 110,226	40%	\$ 299,168	40%	\$ 543,198	40%	\$ 866,317	40%	\$ 1,047,670	40%	\$ 1,030,578	40%	\$ 1,000,436	40%	\$ 957,664	40%	\$ 915,551	40%	\$ 873,768	40%	\$ 831,984
ST Interest	1.33%	\$ 21	1.33%	\$ 147	1.33%	\$ 398	2.08%	\$ 1,130	2.08%	\$ 1,802	2.08%	\$ 2,179	2.16%	\$ 2,226	3.00%	\$ 3,001	3.00%	\$ 2,873	3.00%	\$ 2,747	3.00%	\$ 2,621	3.00%	\$ 2,496
LT Interest	5.89%	\$ 1,321	5.89%	\$ 9,089	5.89%	\$ 24,669	4.15%	\$ 31,560	4.15%	\$ 50,333	4.15%	\$ 60,870	3.96%	\$ 57,117	4.01%	\$ 56,106	4.03%	\$ 54,008	4.03%	\$ 51,633	4.03%	\$ 49,276	4.03%	\$ 46,920
ROE	8.01%	\$ 1,284	8.01%	\$ 8,829	8.01%	\$ 23,963	8.93%	\$ 48,508	8.93%	\$ 77,362	8.93%	\$ 93,557	9.30%	\$ 95,844	9.30%	\$ 93,041	9.30%	\$ 89,063	9.30%	\$ 85,146	9.30%	\$ 81,260	9.30%	\$ 77,375
	\$ 2,626	\$ 18,065	\$ 49,031	\$ 81,197	\$ 129,497	\$ 156,606	\$ 155,187	\$ 152,148	\$ 145,943	\$ 139,526	\$ 133,158	\$ 126,790												
OM&A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -												
Amortization	\$ 1,981	\$ 20,336	\$ 50,132	\$ 73,342	\$ 104,659	\$ 118,982	\$ 109,962	\$ 107,752	\$ 106,105	\$ 104,459	\$ 104,459	\$ 104,459												
Grossed-up PILs	\$ -	\$ 152	\$ 10,388	\$ 11,375	\$ 1,215	\$ 3,431	\$ 3,107	\$ 7,643	\$ 11,160	\$ 14,031	\$ 16,532	\$ 21,691												
<b>Provincial Rate Protection - Revenue Requirement</b>	<b>\$ 4,455</b>	<b>\$ 28,013</b>	<b>\$ 87,788</b>	<b>\$ 155,754</b>	<b>\$ 237,587</b>	<b>\$ 278,694</b>	<b>\$ 272,792</b>	<b>\$ 271,060</b>	<b>\$ 266,079</b>	<b>\$ 260,517</b>	<b>\$ 256,894</b>	<b>\$ 252,940</b>												

**PowerStream Inc**  
**Renewable Generation Connection Rate Protection**  
**Compensation Amounts under Ontario Regulation 330/09**  
**PILs Calculation**

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>INCOME TAX</b>												
Net Income	\$ 1,284	\$ 8,829	\$ 23,963	\$ 48,508	\$ 77,362	\$ 93,557	\$ 95,844	\$ 93,041	\$ 89,063	\$ 85,146	\$ 81,260	\$ 77,375
Amortization	\$ 1,981	\$ 20,336	\$ 50,132	\$ 73,342	\$ 104,659	\$ 118,982	\$ 109,962	\$ 107,752	\$ 106,105	\$ 104,459	\$ 104,459	\$ 104,459
CCA	-\$ 3,650	-\$ 55,550	-\$ 105,646	-\$ 118,480	-\$ 172,506	-\$ 203,921	-\$ 184,608	-\$ 169,840	-\$ 156,253	-\$ 143,752	-\$ 132,252	-\$ 121,672
Change in taxable income	-\$ 386	-\$ 26,385	-\$ 31,550	-\$ 3,369	-\$ 9,515	-\$ 8,617	-\$ 21,198	-\$ 30,953	-\$ 38,915	-\$ 45,853	-\$ 53,467	-\$ 60,162
Tax Rate	28.25%	28.25%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%
Income Taxes Payable	-\$ 109	-\$ 7,454	-\$ 8,361	-\$ 893	-\$ 2,522	-\$ 2,284	-\$ 5,617	-\$ 8,202	-\$ 10,313	-\$ 12,151	-\$ 14,169	-\$ 15,943
<b>ONTARIO CAPITAL TAX</b>												
Closing Net Fixed Assets	\$ 80,119	\$ 471,012	\$ 1,024,829	\$ 1,691,160	\$ 2,640,423	\$ 2,597,925	\$ 2,554,965	\$ 2,447,213	\$ 2,341,108	\$ 2,236,649	\$ 2,132,190	\$ 2,027,731
Less: Exemption	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Deemed Taxable Capital	\$ 80,119	\$ 471,012	\$ 1,024,829	\$ 1,691,160	\$ 2,640,423	\$ 2,597,925	\$ 2,554,965	\$ 2,447,213	\$ 2,341,108	\$ 2,236,649	\$ 2,132,190	\$ 2,027,731
Ontario Capital Tax Rate												
Net Amount (Taxable Capital x Rate)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	PILs Payable	PILs Payable	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	-\$ 109	-\$ 7,454	-\$ 8,361	-\$ 893	-\$ 2,522	-\$ 2,284	-\$ 5,617	-\$ 8,202	-\$ 10,313	-\$ 12,151	-\$ 14,169	-\$ 15,943
Change in OCT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PIL's	-\$ 109	-\$ 7,454	-\$ 8,361	-\$ 893	-\$ 2,522	-\$ 2,284	-\$ 5,617	-\$ 8,202	-\$ 10,313	-\$ 12,151	-\$ 14,169	-\$ 15,943

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	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	Grossed Up PILs	Grossed Up PILs
Change in Income Taxes Payable	-\$ 152	-\$ 10,388	-\$ 11,375	-\$ 1,215	-\$ 3,431	-\$ 3,107	-\$ 7,643	-\$ 11,160	-\$ 14,031	-\$ 16,532	-\$ 19,277	-\$ 21,691
Change in OCT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PIL's	-\$ 152	-\$ 10,388	-\$ 11,375	-\$ 1,215	-\$ 3,431	-\$ 3,107	-\$ 7,643	-\$ 11,160	-\$ 14,031	-\$ 16,532	-\$ 19,277	-\$ 21,691

**PowerStream Inc**  
**Renewable Generation Connection Rate Protection**  
**Compensation Amounts under Ontario Regulation 330/09**  
**Average Net Fixed Assets**

		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>1818 Net Fixed Assets/1818/1821</b>													
	Years												
Opening Capital Investment		\$ -	\$ 30,624	\$ 165,213	\$ 466,518	\$ 885,217	\$ 1,316,371	\$ 1,316,371	\$ 1,316,371	\$ 1,316,371	\$ 1,316,371	\$ 1,316,371	\$ 1,316,371
Capital Investment		\$ 30,624	\$ 134,589	\$ 301,305	\$ 418,699	\$ 431,155	\$ -	\$ -					
Closing Capital Investment		\$ 30,624	\$ 165,213	\$ 466,518	\$ 885,217	\$ 1,316,371	\$ 1,316,371	\$ 1,316,371	\$ 1,316,371	\$ 1,316,371	\$ 1,316,371	\$ 1,316,371	\$ 1,316,371
Opening Accumulated Amortization		\$ -	\$ 383	\$ 2,831	\$ 10,727	\$ 27,624	\$ 55,144	\$ 88,053	\$ 120,962	\$ 153,872	\$ 186,781	\$ 219,690	\$ 252,600
Amortization Year One	40	\$ 383	\$ 1,682	\$ 3,766	\$ 5,234	\$ 5,389	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization Thereafter	40	\$ -	\$ 766	\$ 4,130	\$ 11,663	\$ 22,130	\$ 32,909	\$ 32,909	\$ 32,909	\$ 32,909	\$ 32,909	\$ 32,909	\$ 32,909
Closing Accumulated Amortization		\$ 383	\$ 2,831	\$ 10,727	\$ 27,624	\$ 55,144	\$ 88,053	\$ 120,962	\$ 153,872	\$ 186,781	\$ 219,690	\$ 252,600	\$ 285,509
Opening Net Fixed Assets		\$ -	\$ 30,241	\$ 162,382	\$ 455,790	\$ 857,593	\$ 1,261,227	\$ 1,228,318	\$ 1,195,409	\$ 1,162,500	\$ 1,129,590	\$ 1,096,681	\$ 1,063,772
Closing Net Fixed Assets		\$ 30,241	\$ 162,382	\$ 455,790	\$ 857,593	\$ 1,261,227	\$ 1,228,318	\$ 1,195,409	\$ 1,162,500	\$ 1,129,590	\$ 1,096,681	\$ 1,063,772	\$ 1,030,862
Average Net Fixed Assets		\$ 15,121	\$ 96,312	\$ 309,086	\$ 656,691	\$ 1,059,410	\$ 1,244,773	\$ 1,211,863	\$ 1,178,954	\$ 1,146,045	\$ 1,113,136	\$ 1,080,226	\$ 1,047,317

		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>1925 Net Fixed Assets/Software</b>													
Opening Capital Investment		\$ -	\$ 795	\$ 71,358	\$ 102,441	\$ 102,441	\$ 115,612	\$ 115,612	\$ 115,612	\$ 115,612	\$ 115,612	\$ 115,612	\$ 115,612
Capital Investment		\$ 795	\$ 70,563	\$ 31,083	\$ -	\$ 13,171	\$ -	\$ -					
Closing Capital Investment		\$ 795	\$ 71,358	\$ 102,441	\$ 102,441	\$ 115,612	\$ 115,612	\$ 115,612	\$ 115,612	\$ 115,612	\$ 115,612	\$ 115,612	\$ 115,612
Opening Accumulated Amortization		\$ -	\$ 99	\$ 9,119	\$ 30,843	\$ 56,454	\$ 83,710	\$ 103,495	\$ 110,673	\$ 113,966	\$ 115,612	\$ 115,612	\$ 115,612
Amortization Year One	4	\$ 99	\$ 8,820	\$ 3,885	\$ -	\$ 1,646	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization Thereafter	4	\$ -	\$ 199	\$ 17,840	\$ 25,610	\$ 25,610	\$ 19,784.72	\$ 7,178.22	\$ 3,292.72	\$ 1,646	\$ -	\$ -	\$ -
Closing Accumulated Amortization		\$ 99	\$ 9,119	\$ 30,843	\$ 56,454	\$ 83,710	\$ 103,495	\$ 110,673	\$ 113,966	\$ 115,612	\$ 115,612	\$ 115,612	\$ 115,612
Opening Net Fixed Assets		\$ -	\$ 696	\$ 62,240	\$ 71,598	\$ 45,988	\$ 31,902	\$ 12,117	\$ 4,939	\$ 1,646	\$ -	\$ -	\$ -
Closing Net Fixed Assets		\$ 696	\$ 62,240	\$ 71,598	\$ 45,988	\$ 31,902	\$ 12,117	\$ 4,939	\$ 1,646	\$ -	\$ -	\$ -	\$ -
Average Net Fixed Assets		\$ 348	\$ 31,468	\$ 66,919	\$ 58,793	\$ 38,945	\$ 22,009	\$ 8,528	\$ 3,292	\$ 823	\$ -	\$ -	\$ -

		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>1981 Net Fixed Assets /1981</b>													
Opening Capital Investment		\$ -	\$ 27,778	\$ 134,226	\$ 215,958	\$ 246,682	\$ 451,389	\$ 451,389	\$ 451,389	\$ 451,389	\$ 451,389	\$ 451,389	\$ 451,389
Capital Investment		\$ 27,778	\$ 106,448	\$ 81,732	\$ 30,725	\$ 204,707	\$ -	\$ -					
Closing Capital Investment		\$ 27,778	\$ 134,226	\$ 215,958	\$ 246,682	\$ 451,389	\$ 451,389	\$ 451,389	\$ 451,389	\$ 451,389	\$ 451,389	\$ 451,389	\$ 451,389
Opening Accumulated Amortization		\$ -	\$ 926	\$ 6,326	\$ 17,999	\$ 33,420	\$ 56,689	\$ 86,782	\$ 116,874	\$ 146,967	\$ 177,060	\$ 207,152	\$ 237,245
Amortization Year One	15	\$ 926	\$ 3,548	\$ 2,724	\$ 1,024	\$ 6,824	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization Thereafter	15	\$ -	\$ 1,852	\$ 8,948	\$ 14,397	\$ 16,445	\$ 30,093	\$ 30,093	\$ 30,093	\$ 30,093	\$ 30,093	\$ 30,093	\$ 30,093
Closing Accumulated Amortization		\$ 926	\$ 6,326	\$ 17,999	\$ 33,420	\$ 56,689	\$ 86,782	\$ 116,874	\$ 146,967	\$ 177,060	\$ 207,152	\$ 237,245	\$ 267,338
Opening Net Fixed Assets		\$ -	\$ 26,852	\$ 127,900	\$ 197,959	\$ 213,262	\$ 394,700	\$ 364,608	\$ 334,515	\$ 304,422	\$ 274,330	\$ 244,237	\$ 214,144
Closing Net Fixed Assets		\$ 26,852	\$ 127,900	\$ 197,959	\$ 213,262	\$ 394,700	\$ 364,608	\$ 334,515	\$ 304,422	\$ 274,330	\$ 244,237	\$ 214,144	\$ 184,052
Average Net Fixed Assets		\$ 13,426	\$ 77,376	\$ 162,929	\$ 205,610	\$ 303,981	\$ 379,654	\$ 349,561	\$ 319,469	\$ 289,376	\$ 259,283	\$ 229,191	\$ 199,098

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>1822 Net Fixed Assets /P&amp;C systems</b>												
Opening Capital Investment	\$ -	\$ 22,903	\$ 110,667	\$ 178,047	\$ 203,379	\$ 434,744	\$ 511,228	\$ 578,230	\$ 578,230	\$ 578,230	\$ 578,230	\$ 578,230
Capital Investment	\$ 22,903	\$ 87,764	\$ 67,380	\$ 25,332	\$ 231,365	\$ 76,484	\$ 67,002					
Closing Capital Investment	\$ 22,903	\$ 110,667	\$ 178,047	\$ 203,379	\$ 434,744	\$ 511,228	\$ 578,230	\$ 578,230	\$ 578,230	\$ 578,230	\$ 578,230	\$ 578,230
Opening Accumulated Amortization	\$ -	\$ 573	\$ 3,912	\$ 11,130	\$ 20,665	\$ 36,618	\$ 60,268	\$ 87,504	\$ 116,416	\$ 145,327	\$ 174,239	\$ 203,150
Amortization Year One	20 \$ 573	\$ 2,194	\$ 1,685	\$ 633	\$ 5,784	\$ 1,912	\$ 1,675	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization Thereafter	20 \$ -	\$ 1,145	\$ 5,533	\$ 8,902	\$ 10,169	\$ 21,737	\$ 25,561	\$ 28,912	\$ 28,912	\$ 28,912	\$ 28,912	\$ 28,912
Closing Accumulated Amortization	\$ 573	\$ 3,912	\$ 11,130	\$ 20,665	\$ 36,618	\$ 60,268	\$ 87,504	\$ 116,416	\$ 145,327	\$ 174,239	\$ 203,150	\$ 232,062
Opening Net Fixed Assets	\$ -	\$ 22,330	\$ 106,755	\$ 166,917	\$ 182,714	\$ 398,125	\$ 450,960	\$ 490,726	\$ 461,814	\$ 432,903	\$ 403,991	\$ 375,080
Closing Net Fixed Assets	\$ 22,330	\$ 106,755	\$ 166,917	\$ 182,714	\$ 398,125	\$ 450,960	\$ 490,726	\$ 461,814	\$ 432,903	\$ 403,991	\$ 375,080	\$ 346,168
Average Net Fixed Assets	\$ 11,165	\$ 64,543	\$ 136,836	\$ 174,816	\$ 290,420	\$ 424,543	\$ 470,843	\$ 476,270	\$ 447,359	\$ 418,447	\$ 389,536	\$ 360,624

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>1912 Net Fixed Assets /1912</b>												
Opening Capital Investment	\$ -	\$ -	\$ 1,873	\$ 1,873	\$ 43,702	\$ 82,005	\$ 82,005	\$ 82,005	\$ 82,005	\$ 82,005	\$ 82,005	\$ 82,005
Capital Investment	\$ -	\$ 1,873	\$ -	\$ 41,829	\$ 38,303	\$ -	\$ -					
Closing Capital Investment	\$ -	\$ 1,873	\$ 1,873	\$ 43,702	\$ 82,005	\$ 82,005	\$ 82,005	\$ 82,005	\$ 82,005	\$ 82,005	\$ 82,005	\$ 82,005
Opening Accumulated Amortization	\$ -	\$ -	\$ 19	\$ 56	\$ 512	\$ 1,769	\$ 3,409	\$ 5,049	\$ 6,689	\$ 8,329	\$ 9,970	\$ 11,610
Amortization Year One	50 \$ -	\$ 19	\$ -	\$ 418	\$ 383	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization Thereafter	50 \$ -	\$ -	\$ 37	\$ 37	\$ 874	\$ 1,640	\$ 1,640	\$ 1,640	\$ 1,640	\$ 1,640	\$ 1,640	\$ 1,640
Closing Accumulated Amortization	\$ -	\$ 19	\$ 56	\$ 512	\$ 1,769	\$ 3,409	\$ 5,049	\$ 6,689	\$ 8,329	\$ 9,970	\$ 11,610	\$ 13,250
Opening Net Fixed Assets	\$ -	\$ -	\$ 1,854	\$ 1,817	\$ 43,190	\$ 80,236	\$ 78,596	\$ 76,956	\$ 75,316	\$ 73,676	\$ 72,036	\$ 70,396
Closing Net Fixed Assets	\$ -	\$ 1,854	\$ 1,817	\$ 43,190	\$ 80,236	\$ 78,596	\$ 76,956	\$ 75,316	\$ 73,676	\$ 72,036	\$ 70,396	\$ 68,756
Average Net Fixed Assets	\$ -	\$ 927	\$ 1,836	\$ 22,503	\$ 61,713	\$ 79,416	\$ 77,776	\$ 76,136	\$ 74,496	\$ 72,856	\$ 71,216	\$ 69,576

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>1845 Net Fixed Assets /1845</b>												
Opening Capital Investment	\$ -	\$ -	\$ 9,992	\$ 132,441	\$ 355,529	\$ 490,750	\$ 490,750	\$ 490,750	\$ 490,750	\$ 490,750	\$ 490,750	\$ 490,750
Capital Investment	\$ -	\$ 9,992	\$ 122,449	\$ 223,088	\$ 135,221	\$ -	\$ -					
Closing Capital Investment	\$ -	\$ 9,992	\$ 132,441	\$ 355,529	\$ 490,750	\$ 490,750	\$ 490,750	\$ 490,750	\$ 490,750	\$ 490,750	\$ 490,750	\$ 490,750
Opening Accumulated Amortization	\$ -	\$ -	\$ 111	\$ 1,694	\$ 7,116	\$ 16,519	\$ 27,424	\$ 38,330	\$ 49,235	\$ 60,141	\$ 71,046	\$ 81,952
Amortization Year One	45 \$ -	\$ 111	\$ 1,361	\$ 2,479	\$ 1,502	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization Thereafter	45 \$ -	\$ -	\$ 222	\$ 2,943	\$ 7,901	\$ 10,906	\$ 10,906	\$ 10,906	\$ 10,906	\$ 10,906	\$ 10,906	\$ 10,906
Closing Accumulated Amortization	\$ -	\$ 111	\$ 1,694	\$ 7,116	\$ 16,519	\$ 27,424	\$ 38,330	\$ 49,235	\$ 60,141	\$ 71,046	\$ 81,952	\$ 92,858
Opening Net Fixed Assets	\$ -	\$ -	\$ 9,881	\$ 130,748	\$ 348,414	\$ 474,232	\$ 463,326	\$ 452,421	\$ 441,515	\$ 430,610	\$ 419,704	\$ 408,798
Closing Net Fixed Assets	\$ -	\$ 9,881	\$ 130,748	\$ 348,414	\$ 474,232	\$ 463,326	\$ 452,421	\$ 441,515	\$ 430,610	\$ 419,704	\$ 408,798	\$ 397,893
Average Net Fixed Assets	\$ -	\$ 4,940	\$ 70,314	\$ 239,581	\$ 411,323	\$ 468,779	\$ 457,873	\$ 446,968	\$ 436,062	\$ 425,157	\$ 414,251	\$ 403,346

<b>TOTALS</b>												
<b>Additions</b>	\$ 82,100	\$ 411,229	\$ 603,949	\$ 739,673	\$ 1,053,922	\$ 76,484	\$ 67,002	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Average Net Fixed Assets</b>	\$ 40,060	\$ 275,566	\$ 747,921	\$ 1,357,994	\$ 2,165,791	\$ 2,619,174	\$ 2,576,445	\$ 2,501,089	\$ 2,394,161	\$ 2,288,879	\$ 2,184,420	\$ 2,079,961
<b>Total Amortization</b>	\$ 1,981	\$ 20,336	\$ 50,132	\$ 73,342	\$ 104,659	\$ 118,982	\$ 109,962	\$ 107,752	\$ 106,105	\$ 104,459	\$ 104,459	\$ 104,459
<b>Closing NFA</b>	\$ 80,119	\$ 471,012	\$ 1,024,829	\$ 1,691,160	\$ 2,640,423	\$ 2,597,925	\$ 2,554,965	\$ 2,447,213	\$ 2,341,108	\$ 2,236,649	\$ 2,132,190	\$ 2,027,731

For PILs Calculation

**UCC / Class 47**

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Opening UCC	\$ -	\$ 78,053	\$ 398,848	\$ 916,891	\$ 1,553,626	\$ 2,428,456	\$ 2,307,605	\$ 2,122,996	\$ 1,953,157	\$ 1,796,904	\$ 1,653,152	\$ 1,520,900
Capital Additions	\$ 81,305	\$ 340,666	\$ 572,866	\$ 739,673	\$ 1,040,751	\$ 76,484						
UCC Before Half Year Rule	\$ 81,305	\$ 418,719	\$ 971,714	\$ 1,656,564	\$ 2,594,376	\$ 2,504,940	\$ 2,307,605	\$ 2,122,996	\$ 1,953,157	\$ 1,796,904	\$ 1,653,152	\$ 1,520,900
Half Year Rule (1/2 Additions - Disposals)	\$ 40,653	\$ 170,333	\$ 286,433	\$ 369,836	\$ 520,375	\$ 38,242	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Reduced UCC	\$ 40,653	\$ 248,386	\$ 685,281	\$ 1,286,728	\$ 2,074,001	\$ 2,466,698	\$ 2,307,605	\$ 2,122,996	\$ 1,953,157	\$ 1,796,904	\$ 1,653,152	\$ 1,520,900
CCA Rate Class	47											
CCA Rate	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%
CCA	\$ 3,252	\$ 19,871	\$ 54,822	\$ 102,938	\$ 165,920	\$ 197,336	\$ 184,608	\$ 169,840	\$ 156,253	\$ 143,752	\$ 132,252	\$ 121,672
Closing UCC	\$ 78,053	\$ 398,848	\$ 916,891	\$ 1,553,626	\$ 2,428,456	\$ 2,307,605	\$ 2,122,996	\$ 1,953,157	\$ 1,796,904	\$ 1,653,152	\$ 1,520,900	\$ 1,399,228

**UCC / Class 12**

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Opening UCC	\$ -	\$ 398	\$ 35,282	\$ 15,542	\$ -	\$ 6,585	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions	\$ 795	\$ 70,563	\$ 31,083	\$ -	\$ 13,171	\$ -						
UCC Before Half Year Rule	\$ 795	\$ 70,961	\$ 66,365	\$ 15,542	\$ 13,171	\$ 6,585	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Half Year Rule (1/2 Additions - Disposals)	\$ 398	\$ 35,282	\$ 15,541.63	\$ -	\$ 6,585	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Reduced UCC	\$ 398	\$ 35,679	\$ 50,823	\$ 15,542	\$ 6,585	\$ 6,585	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA Rate Class	12											
CCA Rate	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CCA	\$ 398	\$ 35,679	\$ 50,823	\$ 15,542	\$ 6,585	\$ 6,585	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Closing UCC	\$ 398	\$ 35,282	\$ 15,542	\$ -	\$ 6,585	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Totals

<b>Additions</b>	\$ 82,100	\$ 411,229	\$ 603,949	\$ 739,673	\$ 1,053,922	\$ 76,484	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>CCA</b>	\$ 3,650	\$ 55,550	\$ 105,646	\$ 118,480	\$ 172,506	\$ 203,921	\$ 184,608	\$ 169,840	\$ 156,253	\$ 143,752	\$ 132,252	\$ 121,672



**ATTACHMENT 34**  
**RGCRP**  
**ENERSOURCE RZ**

Appendix 2-FB

Calculation of Renewable Generation Connection Direct Benefits/Provincial Amount: Renewable Enabling Improvement Investments

This table will calculate the distributor/provincial shares of the investments entered in Part A of Appendix 2-FA.  
 Enter values in green shaded cells; WCA percentage, debt percentages, interest rates, kWh, tax rates, amortization period, CCA Class and percentage.  
 For historical investments, enter these variables for your last cost of service test year. For 2016 and beyond, enter variables as in the application.  
 Rate Riders are not calculated for Test Year as these assets and costs are already in the distributor's rate base/revenue requirement.

	2010			2011			2012			2013			2014			2015				
	Total	Direct Benefit 6%	Provincial 94%	Total	Direct Benefit 6%	Provincial 94%	Total	Direct Benefit 6%	Provincial 94%	Total	Direct Benefit 6%	Provincial 94%	Total	Direct Benefit 6%	Provincial 94%	Total	Direct Benefit 6%	Provincial 94%		
<b>Net Fixed Assets (average)</b>	\$ 11,110	\$ 667	\$ 10,443	\$ 64,140	\$ 3,848	\$ 60,292	\$ 183,723	\$ 11,023	\$ 172,700	\$ 332,417	\$ 19,945	\$ 312,472	\$ 456,550	\$ 27,393	\$ 429,157	\$ 575,885	\$ 34,553	\$ 541,332		
Incremental OM&A (on-going, N/A for Provincial Recovery)	\$0	\$ -	\$ -	\$0	\$ -	\$ -	\$0	\$ -	\$ -	\$23,800	\$ 23,800	\$ -	\$23,439	\$ 23,439	\$ -	\$43,615	\$ 43,615	\$ -		
Incremental OM&A (start-up, applicable for Provincial Recovery)	\$0	\$ -	\$ -	\$0	\$ -	\$ -	\$0	\$ -	\$ -	\$0	\$ -	\$ -	\$0	\$ -	\$ -	\$0	\$ -	\$ -		
WCA	14%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,213	\$ -	\$ -	\$ 3,164	\$ -	\$ -	\$ 5,888	\$ -		
<b>Rate Base</b>		\$ 667	\$ 10,443	\$ 3,848	\$ 60,292	\$ 11,023	\$ 172,700	\$ 23,158	\$ 312,472	\$ 30,557	\$ 429,157	\$ 40,441	\$ 541,332							
	<b>2008 COS</b>	<b>2013 COS</b>																		
Deemed ST Debt	4%	4%	\$ 27	\$ 418	\$ 154	\$ 2,412	\$ 441	\$ 6,908	\$ 926	\$ 12,499	\$ 1,222	\$ 17,166	\$ 1,618	\$ 21,653						
Deemed LT Debt	56%	56%	\$ 373	\$ 5,848	\$ 2,155	\$ 33,763	\$ 6,173	\$ 96,712	\$ 12,968	\$ 174,984	\$ 17,112	\$ 240,328	\$ 22,647	\$ 303,146						
Deemed Equity	40%	40%	\$ 267	\$ 4,177	\$ 1,539	\$ 24,117	\$ 4,409	\$ 69,080	\$ 9,263	\$ 124,989	\$ 12,223	\$ 171,663	\$ 16,176	\$ 216,533						
ST Interest	4.47%	2.08%	\$ 1	\$ 19	\$ 7	\$ 108	\$ 20	\$ 309	\$ 19	\$ 260	\$ 25	\$ 357	\$ 34	\$ 450						
LT Interest	6.44%	5.09%	\$ 24	\$ 377	\$ 139	\$ 2,174	\$ 398	\$ 6,228	\$ 660	\$ 8,907	\$ 871	\$ 12,233	\$ 1,153	\$ 15,430						
ROE	8.57%	8.93%	\$ 23	\$ 358	\$ 132	\$ 2,067	\$ 378	\$ 5,920	\$ 827	\$ 11,161	\$ 1,092	\$ 15,329	\$ 1,445	\$ 19,336						
<b>Cost of Capital Total</b>			\$ 48	\$ 753	\$ 278	\$ 4,349	\$ 795	\$ 12,457	\$ 1,507	\$ 20,328	\$ 1,988	\$ 27,919	\$ 2,631	\$ 35,217						
OM&A			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,800	\$ -	\$ -	\$ 23,439	\$ -	\$ -	\$ 43,615	\$ -	\$ -			
Amortization			\$ 766	\$ 46	\$ 720	\$ 4,476	\$ 269	\$ 4,207	\$ 13,032	\$ 782	\$ 12,250	\$ 24,186	\$ 1,451	\$ 22,735	\$ 34,414	\$ 2,065	\$ 32,349	\$ 45,018	\$ 2,701	\$ 42,317
Grossed-up PILs			\$ -	\$ 35	\$ -	\$ 551	\$ -	\$ 140	\$ -	\$ 1,956	\$ -	\$ 125	\$ -	\$ 1,012	\$ -	\$ 310	\$ -	\$ 452	\$ -	\$ 5,893
<b>Revenue Requirement</b>			\$ 59	\$ 922	\$ 408	\$ 6,362	\$ 1,452	\$ 22,751	\$ 26,864	\$ 44,075	\$ 27,802	\$ 64,485	\$ 49,399	\$ 83,426						
Provincial Rate Protection			\$ 922	\$ 6,362	\$ 22,751	\$ 44,075	\$ 64,485	\$ 83,426												
Monthly Amount Paid by IESO			\$ 77	\$ 530	\$ 1,896	\$ 3,673	\$ 5,374	\$ 6,952												

**Note 1:** The difference between the actual costs of approved eligible investments and revenue received from the IESO should be recorded in a variance account. The Board may provide regulatory accounting guidance regarding a variance account either in an individual proceeding or on a generic basis.  
**Note 2:** For the 2016 Test Year, Costs and Revenues of the Direct Benefit are to be included in the test year applicant Rate Base and Revenues.

**PILs Calculation**

	2010		2011		2012		2013		2014		2015	
	Direct Benefit	Provincial	Direct Benefit	Provincial	Direct Benefit	Provincial	Direct Benefit	Provincial	Direct Benefit	Provincial	Direct Benefit	Provincial
<b>Income Tax</b>												
Net Income - ROE on Rate Base	\$ 23	\$ 358	\$ 132	\$ 2,067	\$ 378	\$ 5,920	\$ 827	\$ 11,161	\$ 1,092	\$ 15,329	\$ 1,445	\$ 19,336
Amortization (6% DB and 94% P)	\$ 46	\$ 720	\$ 269	\$ 4,207	\$ 782	\$ 12,250	\$ 1,451	\$ 22,735	\$ 2,065	\$ 32,349	\$ 2,701	\$ 42,317
CCA (6% DB and 94% P)	\$ -	\$ 2,305	\$ -	\$ 11,848	\$ -	\$ 23,595	\$ -	\$ 31,089	\$ -	\$ 35,983	\$ -	\$ 45,309
<b>Taxable Income</b>	\$ -	\$ 1,227	\$ -	\$ 5,574	\$ -	\$ 5,425	\$ -	\$ 2,807	\$ -	\$ 11,696	\$ -	\$ 16,344
Tax Rate (to be entered)	31.00%	31.00%	28.25%	28.25%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%
Income Taxes Payable	\$ -	\$ 24.27	\$ -	\$ 380.28	\$ -	\$ 100.50	\$ -	\$ 1,437.66	\$ -	\$ 77.90	\$ -	\$ 743.89
<b>Gross Up</b>												
Income Taxes Payable	\$ (35.18)	\$ (551.13)	\$ (140.07)	\$ (2,194.49)	\$ (124.85)	\$ (1,956.00)	\$ (105.98)	\$ (1,012.10)	\$ (309.91)	\$ (4,216.78)	\$ (451.96)	\$ (5,892.72)
<b>Grossed Up PILs</b>	\$ -	\$ 35	\$ -	\$ 551	\$ -	\$ 140	\$ -	\$ 1,956	\$ -	\$ 106	\$ -	\$ 1,012

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>Net Fixed Assets</b>												
Opening Gross Fixed Assets	\$ 60,530	\$ 257,943	\$ 398,172	\$ 507,450	\$ 594,475	\$ 832,047	\$ 993,994	\$ 1,244,636	\$ 1,350,780	\$ 1,406,711	\$ 1,443,998	
Gross Capital Additions	\$ 61,297	\$ 197,413	\$ 140,229	\$ 109,278	\$ 87,025	\$ 237,572	\$ 161,946	\$ 250,642	\$ 106,144	\$ 55,931	\$ 37,288	\$ -
Closing Gross Fixed Assets	\$ 61,297	\$ 257,943	\$ 398,172	\$ 507,450	\$ 594,475	\$ 832,047	\$ 993,994	\$ 1,244,636	\$ 1,350,780	\$ 1,406,711	\$ 1,443,998	\$ 1,443,998
Opening Accumulated Amortization	\$ 2,043	\$ 12,659	\$ 34,530	\$ 64,717	\$ 101,448	\$ 148,999	\$ 209,867	\$ 284,488	\$ 371,001	\$ 462,918	\$ 557,941	
Current Year Amortization (before additions)	\$ -	\$ 4,035	\$ 17,196	\$ 26,545	\$ 33,830	\$ 39,832	\$ 55,470	\$ 66,266	\$ 82,976	\$ 90,052	\$ 93,781	\$ 96,267
Additions (half year)	\$ 2,043	\$ 6,580.43	\$ 4,674	\$ 3,643	\$ 2,901	\$ 7,919	\$ 5,398	\$ 8,355	\$ 3,538	\$ 1,864	\$ 1,243	\$ -
Closing Accumulated Amortization	\$ 2,043	\$ 12,659	\$ 34,530	\$ 64,717	\$ 101,448	\$ 148,999	\$ 209,867	\$ 284,488	\$ 371,001	\$ 462,918	\$ 557,941	\$ 654,208
Opening Net Fixed Assets	\$ -	\$ 58,487	\$ 245,284	\$ 363,643	\$ 442,733	\$ 493,028	\$ 683,049	\$ 784,127	\$ 960,148	\$ 979,779	\$ 943,793	\$ 886,057
Closing Net Fixed Assets	\$ 59,253	\$ 245,284	\$ 363,643	\$ 442,733	\$ 493,028	\$ 683,049	\$ 784,127	\$ 960,148	\$ 979,779	\$ 943,793	\$ 886,057	\$ 789,790
<b>Average Net Fixed Assets</b>	\$ 29,627	\$ 151,886	\$ 304,464	\$ 403,188	\$ 467,881	\$ 588,038	\$ 733,588	\$ 872,138	\$ 969,963	\$ 961,786	\$ 914,925	\$ 837,924

**UCC for PILs Calculation**

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Opening UCC	\$ 58,845	\$ 243,654	\$ 358,781	\$ 434,986	\$ 483,731	\$ 673,101	\$ 774,722	\$ 953,361	\$ 978,990	\$ 954,364	\$ 913,811	
Capital Additions (from Appendix 2-FA)	\$ 61,297	\$ 197,413	\$ 140,229	\$ 109,278	\$ 87,025	\$ 237,572	\$ 161,946	\$ 250,642	\$ 106,144	\$ 55,931	\$ 37,288	\$ -
UCC Before Half Year Rule	\$ 61,297	\$ 256,258	\$ 393,883	\$ 468,059	\$ 522,011	\$ 721,303	\$ 835,048	\$ 1,025,364	\$ 1,059,505	\$ 1,034,921	\$ 991,652	\$ 913,811
Half Year Rule (1/2 Additions - Disposals)	\$ 30,648	\$ 98,707	\$ 70,114	\$ 54,639	\$ 43,513	\$ 118,786	\$ 80,973	\$ 125,321	\$ 53,072	\$ 27,965	\$ 18,644	\$ -
Reduced UCC	\$ 30,648	\$ 157,551	\$ 313,768	\$ 413,420	\$ 478,498	\$ 602,517	\$ 754,075	\$ 900,043	\$ 1,006,433	\$ 1,006,955	\$ 973,008	\$ 913,811
CCA Rate Class (to be entered)	47	47	47	47	47	47	47	47	47	47	47	47
CCA Rate (to be entered)	8%	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	\$ 80,515	\$ 80,556	\$ 77,841	\$ 73,105
<b>Closing UCC</b>	\$ 58,845	\$ 243,654	\$ 358,781	\$ 434,986	\$ 483,731	\$ 673,101	\$ 774,722	\$ 953,361	\$ 978,990	\$ 954,364	\$ 913,811	\$ 840,706

2016			2017			2018			2019			2020			2021		
Total	Direct Benefit	Provincial	Total	Direct Benefit	Provincial	Total	Direct Benefit	Provincial	Total	Direct Benefit	Provincial	Total	Direct Benefit	Provincial	Total	Direct Benefit	Provincial
	6%	94%		6%	94%		6%	94%		6%	94%		6%	94%		6%	94%
\$ 701,277	\$ 42,077	\$ 659,201	\$819,276	\$ 49,157	\$ 770,119	\$948,075	\$ 56,884	\$ 891,190	\$975,818	\$ 58,549	\$ 917,269	\$ 888,240	\$ 53,294	\$ 834,946	\$ 797,520	\$ 47,851	\$ 749,669
\$58,050	\$ 58,050		\$51,196	\$ 51,196		\$63,047	\$ 63,047		\$0	\$ 0		\$0	\$ -		\$0	\$ -	
\$0	\$ -	\$ -	\$0	\$ -	\$ -	\$0	\$ -	\$ -	\$0	\$ -	\$ -	\$0	\$ -	\$ -	\$0	\$ -	\$ -
	\$ 7,837	\$ -		\$ 6,911	\$ -		\$ 8,511	\$ -		\$ 0	\$ -		\$ -	\$ -		\$ -	\$ -
	\$ 49,913	\$ 659,201		\$ 56,068	\$ 770,119		\$ 65,396	\$ 891,190		\$ 58,549	\$ 917,269		\$ 53,294	\$ 834,946		\$ 47,851	\$ 749,669
	\$ 1,997	\$ 26,368		\$ 2,243	\$ 30,805		\$ 2,616	\$ 35,648		\$ 2,342	\$ 36,691		\$ 2,132	\$ 33,398		\$ 1,914	\$ 29,987
	\$ 27,951	\$ 369,152		\$ 31,398	\$ 431,267		\$ 36,622	\$ 499,067		\$ 32,787	\$ 513,671		\$ 29,845	\$ 467,570		\$ 26,797	\$ 419,815
	\$ 19,965	\$ 263,680		\$ 22,427	\$ 308,048		\$ 26,158	\$ 356,476		\$ 23,420	\$ 366,908		\$ 21,318	\$ 333,978		\$ 19,140	\$ 299,868
	\$ 42	\$ 548		\$ 47	\$ 641		\$ 54	\$ 741		\$ 49	\$ 763		\$ 44	\$ 695		\$ 40	\$ 624
	\$ 1,423	\$ 18,790		\$ 1,598	\$ 21,951		\$ 1,864	\$ 25,402		\$ 1,669	\$ 26,146		\$ 1,519	\$ 23,799		\$ 1,364	\$ 21,369
	\$ 1,783	\$ 23,547		\$ 2,003	\$ 27,509		\$ 2,336	\$ 31,833		\$ 2,091	\$ 32,765		\$ 1,904	\$ 29,824		\$ 1,709	\$ 26,778
	\$ 3,247	\$ 42,885		\$ 3,648	\$ 50,101		\$ 4,254	\$ 57,977		\$ 3,809	\$ 59,674		\$ 3,467	\$ 54,318		\$ 3,113	\$ 48,770
	\$ 58,050	\$ -		\$ 51,196	\$ -		\$ 63,047	\$ -		\$ 0	\$ -		\$ -	\$ -		\$ -	\$ -
\$ 56,770	\$ 3,406	\$ 53,364	\$ 68,823	\$ 4,129	\$ 64,694	\$ 82,452	\$ 4,947	\$ 77,505	\$ 90,617	\$ 5,437	\$ 85,180	\$ 90,720	\$ 5,443	\$ 85,277	\$ 90,720	\$ 5,443	\$ 85,277
	\$ 566	\$ 7,285		\$ 653	\$ 8,840		\$ 884	\$ 12,134		\$ 972	\$ 15,223		\$ 965	\$ 15,118		\$ 997	\$ 15,625
	\$ 65,289	\$ 103,534		\$ 59,826	\$ 123,635		\$ 73,133	\$ 147,617		\$ 10,218	\$ 160,077		\$ 9,875	\$ 154,713		\$ 9,554	\$ 149,672
		\$ 103,534			\$ 123,635			\$ 147,617			\$ 160,077			\$ 154,713			\$ 149,672
		\$ 8,628			\$10,302.93			\$ 12,301			\$ 13,340			\$ 12,893			\$ 12,473

2016		2017		2018		2019		2020		2021	
Direct Benefit	Provincial	Direct Benefit	Provincial	Direct Benefit	Provincial	Direct Benefit	Provincial	Direct Benefit	Provincial	Direct Benefit	Provincial
\$ 1,783	\$ 23,547	\$ 2,003	\$ 27,509	\$ 2,336	\$ 31,833	\$ 2,091	\$ 32,765	\$ 1,904	\$ 29,824	\$ 1,709	\$ 26,778
\$ 3,406	\$ 53,364	\$ 4,129	\$ 64,694	\$ 4,947	\$ 77,505	\$ 5,437	\$ 85,180	\$ 5,443	\$ 85,277	\$ 5,443	\$ 85,277
-\$ 3,620	-\$ 56,706	-\$ 4,320	-\$ 67,683	-\$ 4,831	-\$ 75,684	-\$ 4,833	-\$ 75,723	-\$ 4,670	-\$ 73,170	-\$ 4,386	-\$ 68,719
\$ 1,570	\$ 20,204	\$ 1,812	\$ 24,519	\$ 2,452	\$ 33,655	\$ 2,695	\$ 42,222	\$ 2,676	\$ 41,931	\$ 2,766	\$ 43,336
26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%
\$ 415.94	\$ 5,354.15	\$ 480.16	\$ 6,497.63	\$ 649.84	\$ 8,918.55	\$ 714.18	\$ 11,188.77	\$ 709.25	\$ 11,111.61	\$ 733.03	\$ 11,484.07
\$ 565.90	\$ 7,284.55	\$ 653.29	\$ 8,840.32	\$ 884.13	\$ 12,134.08	\$ 971.67	\$ 15,222.82	\$ 964.97	\$ 15,117.83	\$ 997.31	\$ 15,624.58
\$ 566	\$ 7,285	\$ 653	\$ 8,840	\$ 884	\$ 12,134	\$ 972	\$ 15,223	\$ 965	\$ 15,118	\$ 997	\$ 15,625



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
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)
<b>TOTAL</b>	<b>993,993.70</b>	<b>250,642.28</b>	<b>1,244,635.98</b>	<b>(177,896.26)</b>	<b>(68,823.34)</b>	<b>(246,719.60)</b>	<b>816,097.44</b>	<b>181,818.94</b>	<b>997,916.38</b>

	COST			ACCUM DEPRECIATION			NBV		
	Opening	Additions	Closing	Opening	Additions	Closing	Opening	Additions	Closing
<b>2018 Actual</b>									
Green Energy - FIT/Micro	1,526,382.68	283,060.58	1,809,443.26	(326,758.91)	(111,245.29)	(438,004.20)	1,199,623.77	171,815.29	1,371,439.06
CIP - Green Energy - FIT/Micro	153,844.79	(150,273.76)	3,571.03	-	-	-	153,844.79	(150,273.76)	3,571.03
CIP AFUDC Green Energy	0.36	-	0.36	-	-	-	0.36	-	0.36
Def Rev -FIT MicroFIT	(401,549.91)	(60,684.90)	(462,234.81)	80,039.31	28,792.82	108,832.13	(321,510.60)	(31,892.08)	(353,402.68)
CIP Def Rev -FIT MicroFIT	(34,041.94)	34,042.10	0.16	-	-	-	(34,041.94)	34,042.10	0.16
<b>TOTAL</b>	<b>1,244,635.98</b>	<b>106,144.02</b>	<b>1,350,780.00</b>	<b>(246,719.60)</b>	<b>(82,452.47)</b>	<b>(329,172.07)</b>	<b>997,916.38</b>	<b>23,691.55</b>	<b>1,021,607.93</b>

	COST			ACCUM DEPRECIATION			NBV		
	Opening	Additions	Closing	Opening	Additions	Closing	Opening	Additions	Closing
<b>2019 Actual</b>									
Green Energy - FIT/Micro	1,809,443.26	6,180.54	1,815,623.80	(438,004.20)	(121,567.91)	(559,572.11)	1,371,439.06	(115,387.37)	1,256,051.69
CIP - Green Energy - FIT/Micro	3,571.03	49,722.45	53,293.48	-	-	-	3,571.03	49,722.45	53,293.48
CIP AFUDC Green Energy	0.36	27.66	28.02	-	-	-	0.36	27.66	28.02
Def Rev -FIT MicroFIT	(462,234.81)	-	(462,234.81)	108,832.13	30,950.92	139,783.05	(353,402.68)	30,950.92	(322,451.76)
CIP Def Rev -FIT MicroFIT	0.16	-	0.16	-	-	-	0.16	-	0.16
<b>TOTAL</b>	<b>1,350,780.00</b>	<b>55,930.65</b>	<b>1,406,710.65</b>	<b>(329,172.07)</b>	<b>(90,616.99)</b>	<b>(419,789.06)</b>	<b>1,021,607.93</b>	<b>(34,686.34)</b>	<b>986,921.59</b>

	COST			ACCUM DEPRECIATION			NBV		
	Opening	Additions	Closing	Opening	Additions	Closing	Opening	Additions	Closing
<b>2020 Forecast</b>									
Green Energy - FIT/Micro	1,815,623.80	-	1,815,623.80	(559,572.11)	(121,670.64)	(681,242.75)	1,256,051.69	(121,670.64)	1,134,381.05
CIP - Green Energy - FIT/Micro	53,293.48	37,287.71	90,581.19	-	-	-	53,293.48	37,287.71	90,581.19
CIP AFUDC Green Energy	28.02	-	28.02	-	-	-	28.02	-	28.02
Def Rev -FIT MicroFIT	(462,234.81)	-	(462,234.81)	139,783.05	30,950.92	170,733.97	(322,451.76)	30,950.92	(291,500.84)
CIP Def Rev -FIT MicroFIT	0.16	-	0.16	-	-	-	0.16	-	0.16
<b>TOTAL</b>	<b>1,406,710.65</b>	<b>37,287.71</b>	<b>1,443,998.36</b>	<b>(419,789.06)</b>	<b>(90,719.72)</b>	<b>(510,508.78)</b>	<b>986,921.59</b>	<b>(53,432.01)</b>	<b>933,489.58</b>

	COST			ACCUM DEPRECIATION			NBV		
	Opening	Additions	Closing	Opening	Additions	Closing	Opening	Additions	Closing
<b>2021 Forecast</b>									
Green Energy - FIT/Micro	1,815,623.80	-	1,815,623.80	(681,242.75)	(121,670.64)	(802,913.39)	1,134,381.05	(121,670.64)	1,012,710.41
CIP - Green Energy - FIT/Micro	90,581.19	-	90,581.19	-	-	-	90,581.19	-	90,581.19
CIP AFUDC Green Energy	28.02	-	28.02	-	-	-	28.02	-	28.02
Def Rev -FIT MicroFIT	(462,234.81)	-	(462,234.81)	170,733.97	30,950.92	201,684.89	(291,500.84)	30,950.92	(260,549.92)
CIP Def Rev -FIT MicroFIT	0.16	-	0.16	-	-	-	0.16	-	0.16
<b>TOTAL</b>	<b>1,443,998.36</b>	<b>-</b>	<b>1,443,998.36</b>	<b>(510,508.78)</b>	<b>(90,719.72)</b>	<b>(601,228.50)</b>	<b>933,489.58</b>	<b>(90,719.72)</b>	<b>842,769.86</b>

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	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	106,144.02	55,930.65	37,287.71	0.00	1,444,764.59
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	-82,452.47	-90,616.99	-90,719.72	-90,719.72	-601,994.73

	2010	2011	2011 IFRS Adjustment	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Cummulative Cost including CIP	61,297	258,710	-766	398,172	507,450	594,475	832,047	993,994	1,244,636	1,350,780	1,406,711	1,443,998	1,443,998
Less Cummulative CIP	-38,310	-147,408	0	-119,276	-62,310	-8,713	-68,805	-55,659	-119,803	-3,572	-53,322	-90,609	-90,609
Cummulative Accumulated Depreciation	-766	-5,243	766	-17,508	-41,694	-76,108	-121,126	-177,896	-246,720	-329,172	-419,789	-510,509	-601,229

Average 2010	Average 2011
30,648	159,620
-19,155	-92,859
-383	-2,621
<b>11,110</b>	<b>64,140</b>

Average 2012	Average 2013	Average 2014	Average 2015	Average 2016	Average 2017	Average 2018	Average 2019	Average 2020	Average 2021
328,058	452,811	550,963	713,261	913,021	1,119,315	1,297,708	1,378,745	1,425,355	1,443,998
-133,342	-90,793	-35,511	-38,759	-62,232	-87,731	-61,687	-28,447	-71,966	-90,609
-10,992	-29,601	-58,901	-98,617	-149,511	-212,308	-287,946	-374,481	-465,149	-555,869
183,723	<b>332,417</b>	<b>456,550</b>	<b>575,885</b>	<b>701,277</b>	<b>819,276</b>	<b>948,075</b>	<b>975,818</b>	<b>888,240</b>	<b>797,520</b>

## CCA Calculation

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Opening UCC	\$ -	\$ 58,845	\$ 243,654	\$ 358,781	\$ 434,986	\$ 483,731	\$ 673,101	\$ 774,722	\$ 953,361	\$ 978,990	\$ 954,364	\$ 913,811
Capital Additions	\$ 61,297	\$ 197,413	\$ 140,229	\$ 109,278	\$ 87,025	\$ 237,572	\$ 161,946	\$ 250,642	\$ 106,144	\$ 55,931	\$ 37,288	\$ -
UCC Before Half Year Rule	\$ 61,297	\$ 256,258	\$ 383,883	\$ 468,059	\$ 522,011	\$ 721,303	\$ 835,048	\$ 1,025,364	\$ 1,059,505	\$ 1,034,921	\$ 991,652	\$ 913,811
Half Year Rule (1/2 Additions - Disposals)	\$ 30,648	\$ 98,707	\$ 70,114	\$ 54,639	\$ 43,513	\$ 118,786	\$ 80,973	\$ 125,321	\$ 53,072	\$ 27,965	\$ 18,644	\$ -
Reduced UCC	\$ 30,648	\$ 157,551	\$ 313,768	\$ 413,420	\$ 478,498	\$ 602,517	\$ 754,075	\$ 900,043	\$ 1,006,433	\$ 1,006,955	\$ 973,008	\$ 913,811
<b>CCA Rate Class</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>
<b>CCA Rate</b>	<b>8%</b>	<b>8%</b>	<b>8%</b>	<b>8%</b>	<b>8%</b>	<b>8%</b>	<b>8%</b>	<b>8%</b>	<b>8%</b>	<b>8%</b>	<b>8%</b>	<b>8%</b>
CCA	\$ 2,452	\$ 12,604	\$ 25,101	\$ 33,074	\$ 38,280	\$ 48,201	\$ 60,326	\$ 72,003	\$ 80,515	\$ 80,556	\$ 77,841	\$ 73,105
Closing UCC	\$ 58,845	\$ 243,654	\$ 358,781	\$ 434,986	\$ 483,731	\$ 673,101	\$ 774,722	\$ 953,361	\$ 978,990	\$ 954,364	\$ 913,811	\$ 840,706

## PILs Calculation

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>INCOME TAX</b>												
Net Income	\$ 381	\$ 2,199	\$ 6,298	\$ 11,989	\$ 16,421	\$ 20,781	\$ 25,330	\$ 29,511	\$ 34,169	\$ 34,856	\$ 28,487	\$ -
Amortization	\$ 766	\$ 4,476	\$ 13,032	\$ 24,186	\$ 34,414	\$ 45,018	\$ 56,770	\$ 68,823	\$ 82,452	\$ 90,617	\$ 90,720	\$ 90,720
CCA	-\$ 2,452	-\$ 12,604	-\$ 25,101	-\$ 33,074	-\$ 38,280	-\$ 48,201	-\$ 60,326	-\$ 72,003	-\$ 80,515	-\$ 80,556	-\$ 77,841	-\$ 73,105
Change in taxable income	-\$ 1,305	-\$ 5,929	-\$ 5,771	\$ 3,101	\$ 12,555	\$ 17,598	\$ 21,774	\$ 26,331	\$ 36,107	\$ 44,917	\$ 41,366	\$ 17,615
Tax Rate	31.00%	28.25%	26.50%	26.50%	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	\$ 9,568	\$ 11,903	\$ 10,962	\$ 4,668

### Gross Up

	PILs Payable	PILs Payable	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	\$ 9,568	\$ 11,903	\$ 10,962	\$ 4,668
Change in OCT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PIL's	-\$ 404	-\$ 1,675	-\$ 1,529	\$ 822	\$ 3,327	\$ 4,663	\$ 5,770	\$ 6,978	\$ 9,568	\$ 11,903	\$ 10,962	\$ 4,668

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs	Grossed Up PILs	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	\$ 13,018	\$ 16,194	\$ 14,914	\$ 6,351
Change in OCT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PIL's	-\$ 586	-\$ 2,334	-\$ 2,081	\$ 1,118	\$ 4,527	\$ 6,345	\$ 7,850	\$ 9,494	\$ 13,018	\$ 16,194	\$ 14,914	\$ 6,351

**ATTACHMENT 35  
LRAMVA WORKFORM  
HORIZON UTILITIES RZ**





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	\$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	\$0.00
Amount Cleared																
Carrying Charges	\$16,499.03	\$19,197.56	(\$880.87)	\$1,116.67	\$1,070.95	\$5,315.04	\$1,991.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44,309.76
<b>Total LRAMVA Balance</b>	<b>\$379,997</b>	<b>\$442,148</b>	<b>-\$20,288</b>	<b>\$25,719</b>	<b>\$24,652</b>	<b>\$122,413</b>	<b>\$45,879</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,020,520</b>

Note: LDC to make note of assumptions included above, if any



# LRAMVA Work Form: Summary of Changes

**Legend**

- User Inputs (Green)
- Drop Down List (Blue)
- Instructions (Grey)

**Table A-1. Changes to Generic Assumptions in LRAMVA Work Form**

Please document any changes in assumptions made to the generic inputs of the LRAMVA work form. This may include, but are not limited to, the use of different monthly multipliers to claim demand savings from energy efficiency programs; use of different rate allocations between current year savings and prior year savings adjustments; inclusion of additional adjustments affecting distribution rates; etc. All changes should be highlighted in the work form as well.

No.	Tab	Cell Reference	Description	Rationale
1	5. 2015-2020 LRAM	Table 5-d. 2018 Lost Revenue	Alectra relied on the Participation and Cost Report (P/C) and true up any savings	There are additional CDM savings after the Participation and Cost report was published in April 2019 re
2				
3				
4				
5				
6				
7				
8				
9				
10				
etc.				

**Table A-2. Updates to LRAMVA Disposition**

Please document any changes related to interrogatories or questions during the application process that affect the LRAMVA amount.

No.	Tab	Cell Reference	Description	Rationale
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
etc.				



## LRAMVA Work Form: Forecast Lost Revenues

Version 5.0 (2021)

**Legend**

- User Inputs (Green)
- Drop Down List (Blue)
- Auto Populated Cells (White)
- Instructions (Grey)

**Table 2-a. LRAMVA Threshold**

2018

Please provide the LRAMVA threshold approved in the cost of service (COS) or custom IR (CIR) 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 24. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

	Total	Residential	GS<50 kW	General Service 50 to 4,999 kW	Large Use	Large Use 2	Street Lighting	Unmetered Scattered Load							
		kWh	kWh	kWh	kW	kW	kW	kWh	0.0	0.0	0.0	0.0	0.0	0.0	
kWh	89,920,275	22,612,726	7,191,289	60,116,260											
kW	165,380			165,380											
Summary		22612726	7191289	165380	0	0	0	0	0	0	0	0	0	0	

Years Included in Threshold

Source of Threshold Custom IR Application (EB-2014-0002, Exhibit 3, Tab 1, Schedule 2)

**Table 2-b. LRAMVA Threshold**

Please provide the LRAMVA threshold approved in the cost of service (COS) or custom IR (CIR) 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 24. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

	Total	Residential	GS<50 kW	General Service 50 to 4,999 kW	Large Use	Large Use 2	Street Lighting	Unmetered Scattered Load							
		kWh	kWh	kWh	kW	kW	kW	kWh	0.0	0.0	0.0	0.0	0.0	0.0	
kWh	0														
kW	0														
Summary		0	0	0	0	0	0	0	0	0	0	0	0	0	

Years Included in Threshold

Source of Threshold 20XX Settlement Agreement, p. X

**Table 2-c. Inputs for LRAMVA Thresholds**

Please complete Table 2-c below by selecting the appropriate LRAMVA threshold year in column C. The LRAMVA threshold values in Table 2-c will auto-populate from Tables 2-a and 2-b depending on the year selected. If there was no LRAMVA threshold established for a particular year, please select the "blank" option. The LRAMVA threshold values in Table 2-c will be auto-populated in Tabs 4 and 5 of this work form.

Year	LRAMVA Threshold	Residential	GS<50 kW	General Service 50 to 4,999 kW	Large Use	Large Use 2	Street Lighting	Unmetered Scattered Load							
		kWh	kWh	kWh	kW	kW	kW	kWh	0.0	0.0	0.0	0.0	0.0	0.0	
2011		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	
2013		0	0	0	0	0	0	0	0	0	0	0	0	0	
2014		0	0	0	0	0	0	0	0	0	0	0	0	0	
2015		0	0	0	0	0	0	0	0	0	0	0	0	0	
2016		0	0	0	0	0	0	0	0	0	0	0	0	0	
2017		0	0	0	0	0	0	0	0	0	0	0	0	0	
2018	2018	22,612,726	7,191,289	165,380	0	0	0	0	0	0	0	0	0	0	
2019		0	0	0	0	0	0	0	0	0	0	0	0	0	

Note: LDC to make note of assumptions included above, if any



Calendar year equivalent		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
0	0																		
Rate rider for tax sharing																			
Rate rider for foregone revenue																			
Other																			
Adjusted rate		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Calendar year equivalent		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
0	0																		
Rate rider for tax sharing																			
Rate rider for foregone revenue																			
Other																			
Adjusted rate		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Calendar year equivalent		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
0	0																		
Rate rider for tax sharing																			
Rate rider for foregone revenue																			
Other																			
Adjusted rate		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Calendar year equivalent		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
0	0																		
Rate rider for tax sharing																			
Rate rider for foregone revenue																			
Other																			
Adjusted rate		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Calendar year equivalent		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
0	0																		
Rate rider for tax sharing																			
Rate rider for foregone revenue																			
Other																			
Adjusted rate		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Calendar year equivalent		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
0	0																		
Rate rider for tax sharing																			
Rate rider for foregone revenue																			
Other																			
Adjusted rate		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Calendar year equivalent		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

Note: LDC to make note of adjustments made to Table 3 to accommodate the LDC's specific circumstances

**Table 3-a. Distribution Rates by Rate Class**

Table 3-a below autopopulates the average distribution rates from Table 3. Please ensure that the distribution rates relevant to the years of the LRAMVA disposition are used. **Please clear the rates related to the year(s) that are not part of the LRAMVA claim.**

The distribution rates that remain in Table 3-a will be used in Tabs 4 and 5 of the work form to calculate actual and forecast lost revenues. If there are additional adjustments (i.e., rows) added to Table 3, please adjust the formulas from Table 3-a, as well as the distribution rate links in Tabs 4 and 5.

Year	Residential	GS<50 kW	General Service 50 to 4,999 kW	Large Use	Large Use 2	Street Lighting	Unmetered Scattered Load	0	0	0	0	0	0	0
	kWh	kWh	kW	kW	kW	kW	kWh	0	0	0	0	0	0	0
2011	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2012	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2013	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2014	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2015	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2016	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2017	\$0.0000	\$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	\$0.0054	\$0.0106	\$2.5558	\$1.4016	\$0.3340	\$5.4171	\$0.0131	\$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

Note: LDC to make note of the years removed from this table, whose distribution rates are not part of the LRAMVA disposition



Ontario Energy Board

# LRAMVA Work Form: Determination of Rate Class Allocations

Version 5.0 (2021)

## Instructions

LDCs must clearly show how it has allocated actual CDM savings to applicable rate classes, including supporting documentation and rationale for its proposal. This should be shown by customer class and program each year.

The IESO performs evaluations for all of its programs, which includes examining gross energy savings from the programs and the net-to-gross ratio ("NTGR"). From these evaluations the IESO calculates net energy savings by initiative within a program group (residential, business, industrial and low income). Peak load savings are also calculated, and reported by initiative within a program group. For initiatives implemented under the Residential and Low Income Programs, 100% of CDM savings were attributed to the Residential Rate Class. For initiatives implemented under the Commercial and Industrial programs that apply to more than one rate class, the savings were estimated by rate class, based on participant-specific information, where available.















Program	Results Status	Year										Monthly Multiplier	Category										Total							
		2016	2017	2018	2019	2020	2021	2022	2023	2024	2025		2016	Residential	GS-60 kW	General Service 60 to 4999 kW	Large Use	Large Use 2	Street Lighting	Unmetered Scattered Load	0	0		0	0	0	0	0		
<b>Legacy Framework</b>																														
<b>Residential Program</b>																														
1. Coupon Initiative Adjustment to 2016 savings	Verified True-up																											0%		
2. Bi-Annual Retailer Event Initiative Adjustment to 2016 savings	Verified True-up																												0%	
3. Appliance Retirement Initiative Adjustment to 2016 savings	Verified True-up																												0%	
4. HVAC Incentives Initiative Adjustment to 2016 savings	Verified True-up																												0%	
5. Residential New Construction and Major Renovation Initiative Adjustment to 2016 savings	Verified True-up																												0%	
<b>Commercial &amp; Institutional Program</b>																														
6. Energy Audit Initiative Adjustment to 2016 savings	Verified True-up											12																	0%	
7. Efficiency - Equipment Replacement Incentive Initiative Adjustment to 2016 savings	Verified True-up											12																	0%	
8. Direct Install Lighting and Water Heating Initiative Adjustment to 2016 savings	Verified True-up											12																	0%	
9. New Construction and Major Renovation Initiative Adjustment to 2016 savings	Verified True-up											12																	0%	
10. Existing Building Commissioning Incentive Initiative Adjustment to 2016 savings	Verified True-up											3																	0%	
<b>Industrial Program</b>																														
11. Process and Systems Upgrades Initiatives - Project Incentive Initiative Adjustment to 2016 savings	Verified True-up											12																	0%	
12. Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative Adjustment to 2016 savings	Verified True-up											12																	0%	
13. Process and Systems Upgrades Initiatives - Energy Manager Initiative Adjustment to 2016 savings	Verified True-up											12																	0%	
<b>Low Income Program</b>																														
14. Low Income Initiative Adjustment to 2016 savings	Verified True-up											12																	0%	
<b>Other</b>																														
15. Aboriginal Conservation Program Adjustment to 2016 savings	Verified True-up											0																	0%	
16. Program Enabled Savings Adjustment to 2016 savings	Verified True-up											0																	0%	
17. Conservation Fund Pilots - Conservation Fund Pilot - EnerNOC Adjustment to 2016 savings	Verified True-up											12																	0%	
18. Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program Adjustment to 2016 savings	Verified True-up	2,781	2,781	2,781	2,781	2,781	2,781	2,781	2,781	2,781	2,781	12	100.00%																100%	
19. Conservation Fund Pilot - SEG Adjustment to 2016 savings	Verified True-up											12																	0%	
20. Social Benchmarking Pilot Adjustment to 2016 savings	Verified True-up											12																	0%	
<b>Conservation First Framework</b>																														
<b>Residential Province-Wide Programs</b>																														
21. Save on Energy Coupon Program Adjustment to 2016 savings	Verified True-up	15,788,572	15,788,572	15,788,572	15,788,572	15,788,572	15,788,572	15,788,572	15,788,572	15,788,572	15,788,572	12	1,031	100.00%															100%	
22. Save on Energy Heating and Cooling Program Adjustment to 2016 savings	Verified True-up	3,798,500	3,798,500	3,798,500	3,798,500	3,798,500	3,798,500	3,798,500	3,798,500	3,798,500	3,798,500	12	1,138	100.00%																100%
23. Save on Energy New Construction Program Adjustment to 2016 savings	Verified True-up	18,591	18,591	18,591	18,591	18,591	18,591	18,591	18,591	18,591	18,591	12	4	100.00%																100%
24. Save on Energy Home Assistance Program Adjustment to 2016 savings	Verified True-up	747,287	747,287	747,287	747,287	747,287	747,287	747,287	747,287	747,287	747,287	12	58	100.00%																100%
<b>Non-Residential Province-Wide Programs</b>																														
25. Save on Energy Audit Funded Program Adjustment to 2016 savings	Verified True-up	157,712	157,712	157,712	157,712	157,712	157,712	157,712	157,712	157,712	157,712	12	21	100.00%																100%
26. Save on Energy Retrofit Program Adjustment to 2016 savings	Verified True-up	23,840,182	23,076,588	23,076,588	23,076,588	23,076,588	23,076,588	22,954,453	22,954,453	22,954,453	22,898,310	12	3,341	0.00%	37.46%	43.82%	10.32%	8.41%												100%
27. Save on Energy Small Business Lighting Program Adjustment to 2016 savings	Verified True-up	65,908	65,908	62,249	56,749	53,584	44,903	42,087	33,654	27,309	22,379	12	12	100.00%																100%
28. Save on Energy High Performance New Construction Program Adjustment to 2016 savings	Verified True-up	339,878	339,878	339,878	339,878	339,878	339,878	339,878	339,878	339,878	339,878	12	64	100.00%																100%
29. Efficiency/Equipment Replacement Incentive Initiative (Sheehi/01) project Adjustment to 2016 savings	Verified True-up	900,782	900,782	900,782	900,782	900,782	900,782	900,782	900,782	900,782	900,782	12	0	0.00%	100.00%	0.00%	0.00%	0.00%												100%
30. Save on Energy Process & Systems Upgrades Program Adjustment to 2016 savings	Verified True-up	701,185	701,185	701,185								12	87	0.00%	0.00%	100.00%	0.00%	0.00%												0%
31. Save on Energy Monitoring & Targeting Program Adjustment to 2016 savings	Verified True-up											12		0.00%	0.00%	0.00%	0.00%	0.00%											0%	
32. Save on Energy Energy Manager Program Adjustment to 2016 savings	Verified True-up											12	4	0.00%	0.00%	100.00%	0.00%	0.00%											0%	
<b>Local &amp; Regional Programs</b>																														
33. Business Refrigeration Local Program Adjustment to 2016 savings	Verified True-up											0		0.00%	0.00%	0.00%	0.00%	0.00%											0%	
34. First Nation Conservation Local Program Adjustment to 2016 savings	Verified True-up											0		0.00%	0.00%	0.00%	0.00%	0.00%											0%	
35. Social Benchmarking Local Program Adjustment to 2016 savings	Verified True-up	3,434,382										0		100.00%	0.00%	0.00%	0.00%	0.00%											0%	

Program	Results Status	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Monthly Multiplier	2017	Residential	GS-50 kW	General Service \$0 to 4,999 kW	Large Use	Large Use 2	Street Lighting	Unmetered Scattered Load	Total			
<b>Pilot Programs</b>																								
36. Enerource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund Adjustment to 2016 savings	Verified True-up											12											0%	
37. EnWin Utilities Ltd. - Building Optimization Pilot Adjustment to 2016 savings	Verified True-up											12											0%	
38. EnWin Utilities Ltd. - Re-Invest Pilot Adjustment to 2016 savings	Verified True-up											12											0%	
39. Horizon Utilities Corporation - ECM Furnace Motor Pilot Adjustment to 2016 savings	Verified True-up											12											0%	
40. Horizon Utilities Corporation - Social Benchmarking Pilot Adjustment to 2016 savings	Verified True-up											12											0%	
41. Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot Adjustment to 2016 savings	Verified True-up											12											0%	
42. Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot Adjustment to 2016 savings	Verified True-up											12											0%	
43. Kitchener-Wilmot Hydro Inc. - Pilot - DCKV Adjustment to 2016 savings	Verified True-up											12											0%	
44. Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agricultural Sector Adjustment to 2016 savings	Verified True-up											12											0%	
45. Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic Adjustment to 2016 savings	Verified True-up											12											0%	
46. Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls Adjustment to 2016 savings	Verified True-up											12											0%	
47. Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings) Adjustment to 2016 savings	Verified True-up											12											0%	
48. Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings) Adjustment to 2016 savings	Verified True-up											12											0%	
49. Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings) Adjustment to 2016 savings	Verified True-up											12											0%	
<b>Actual CDM Savings in 2016</b>		63,554,726	49,650,346	49,672,656	48,965,970	44,884,276	44,793,811	44,749,095	44,738,245	44,675,768	44,510,795	6,187	28,995,716	9,704,161	21,273	4,652	3,676	0	0	0	0	0	0	
<b>Forecast CDM Savings in 2016</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Distribution Rate in 2016</b>		\$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	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	
<b>Lost Revenue in 2016 from 2011 programs</b>		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Lost Revenue in 2016 from 2012 programs</b>		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Lost Revenue in 2016 from 2013 programs</b>		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Lost Revenue in 2016 from 2014 programs</b>		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Lost Revenue in 2016 from 2015 programs</b>		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Lost Revenue in 2016 from 2016 programs</b>		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Total Lost Revenue in 2016</b>		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Forecast Lost Revenues in 2016</b>		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>LRAMVA in 2016</b>																							\$0.00	
2016 Savings Persisting in 2017												22,161,334	9,551,575	20,836	4,426	3,601	0	0	0	0	0	0	0	0
2016 Savings Persisting in 2018												22,161,334	9,557,842	20,862	4,426	3,606	0	0	0	0	0	0	0	0
2016 Savings Persisting in 2019												22,161,334	9,552,142	19,818	4,426	3,606	0	0	0	0	0	0	0	0
2016 Savings Persisting in 2020												20,355,731	8,697,587	17,862	3,966	3,231	0	0	0	0	0	0	0	0

Note: LDC to make note of key assumptions included above

Table S.c. 2017 Lost Revenue Work Form

Program	Results Status	Net Energy Savings (kWh)		Net Energy Savings Persistence (kWh)							Monthly Multiplier	Net Demand Savings (kW)	Rate Allocations for LRAMVA											Total	
		2017	2018	2019	2020	2021	2022	2023	2024	2025			2026	2017	Residential	GS-50 kW	General Service \$0 to 4,999 kW	Large Use	Large Use 2	Street Lighting	Unmetered Scattered Load				
<b>Legacy Framework</b>																									
<b>Residential Program</b>																									
1. Coucon Initiative Adjustment to 2017 savings	Verified True-up																								0%
2. Bi-Annual Retailer Event Initiative Adjustment to 2017 savings	Verified True-up																								0%
3. Audiance Retirement Initiative Adjustment to 2017 savings	Verified True-up																								0%
4. HVAC Incentives Initiative Adjustment to 2017 savings	Verified True-up																								0%
5. Residential New Construction and Major Renovation Initiative Adjustment to 2017 savings	Verified True-up																								0%
<b>Commercial &amp; Institutional Program</b>																									0%
6. Energy Audit Initiative Adjustment to 2017 savings	Verified True-up																								0%
7. Efficiency Equipment Replacement Incentive Initiative Adjustment to 2017 savings	Verified True-up																								0%
8. Direct Install Lighting and Water Heating Initiative Adjustment to 2017 savings	Verified True-up																								0%
9. New Construction and Major Renovation Initiative Adjustment to 2017 savings	Verified True-up																								0%
10. Existing Building Commissioning Incentive Initiative Adjustment to 2017 savings	Verified True-up											3													0%
<b>Industrial Program</b>																									0%
11. Process and Systems Upgrades Initiatives - Project Incentive Initiative Adjustment to 2017 savings	Verified True-up																								0%
12. Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative Adjustment to 2017 savings	Verified True-up																								0%















# LRAMVA Work Form: Carrying Charges by Rate Class

Legend	User Inputs (Green)
	Auto Populated Cells (White)
	Instructions (Grey)

- Instructions**
1. Please update Table 6 as new approved prescribed interest rates for deferral and variance accounts become available. Monthly interest rates are used to calculate the variance on the carrying charges for LRAMVA. Starting from column I, the principal will auto-populate as monthly variances in Table 6-a, and are multiplied by the interest rate from column H to determine the monthly variances on carrying charges for each rate class by year.
  2. The annual carrying charges totals in Table 6-a below pertain to the amount that was originally collected in interest from forecasted CDM savings and what should have been collected based on actual CDM savings. As the amounts calculated in Table 6-a are cumulative, LDCs are requested to enter any collected interest amounts into the "Amounts Cleared" row in order to clear the balance and calculate outstanding variances on carrying charges.
  3. Please calculate the projected interest amounts in the LRAMVA work form. Project carrying charges amounts included in Table 6-a should be consistent with the projected interest amounts included in the DVA Continuity Schedule. **If there are additional adjustments required to the formulas to calculate the projected interest amounts, please adjust the formulas in Table 6-a accordingly.**

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	2.17%
2019 Q1	2.45%
2019 Q2	2.18%
2019 Q3	2.18%
2019 Q4	2.18%
2020 Q1	2.18%
2020 Q2	2.18%
2020 Q3	0.57%
2020 Q4	0.57%
2021 Q1	
2021 Q2	
2021 Q3	
2021 Q4	
2022 Q1	
2022 Q2	
2022 Q3	
2022 Q4	
2023 Q1	
2023 Q2	
2023 Q3	
2023 Q4	
2024 Q1	
2024 Q2	
2024 Q3	
2024 Q4	
2025 Q1	
2025 Q2	
2025 Q3	
2025 Q4	

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 4,999 kW	Large Use	Large Use 2	Street Lighting	Unmetered Scattered Load	Total
Jan-11	2011	Q1	0.12%	\$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
Mar-11	2011	Q1	0.12%	\$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
May-11	2011	Q2	0.12%	\$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
Jul-11	2011	Q3	0.12%	\$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
Sep-11	2011	Q3	0.12%	\$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
Nov-11	2011	Q4	0.12%	\$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
<b>Total for 2011</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>											
<b>Opening Balance for 2012</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-12	2011-2012	Q1	0.12%	\$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
Mar-12	2011-2012	Q1	0.12%	\$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
May-12	2011-2012	Q2	0.12%	\$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
Jul-12	2011-2012	Q3	0.12%	\$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
Sep-12	2011-2012	Q3	0.12%	\$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
Nov-12	2011-2012	Q4	0.12%	\$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
<b>Total for 2012</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>											
<b>Opening Balance for 2013</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-13	2011-2013	Q1	0.12%	\$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
Mar-13	2011-2013	Q1	0.12%	\$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
May-13	2011-2013	Q2	0.12%	\$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
Jul-13	2011-2013	Q3	0.12%	\$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
Sep-13	2011-2013	Q3	0.12%	\$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
Nov-13	2011-2013	Q4	0.12%	\$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
<b>Total for 2013</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>											
<b>Opening Balance for 2014</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-14	2011-2014	Q1	0.12%	\$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
Mar-14	2011-2014	Q1	0.12%	\$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
May-14	2011-2014	Q2	0.12%	\$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
Jul-14	2011-2014	Q3	0.12%	\$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
Sep-14	2011-2014	Q3	0.12%	\$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
Nov-14	2011-2014	Q4	0.12%	\$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
<b>Total for 2014</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>											
<b>Opening Balance for 2015</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-15	2011-2015	Q1	0.12%	\$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
Mar-15	2011-2015	Q1	0.12%	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$0.00	
<b>Total for 2015</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
Amount Cleared																				
Opening Balance for 2016					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
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	\$0.00	
Feb-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	\$0.00	
Mar-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	\$0.00	
Apr-16	2011-2016	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	\$0.00	
May-16	2011-2016	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	\$0.00	
Jun-16	2011-2016	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	\$0.00	
Jul-16	2011-2016	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	\$0.00	
Aug-16	2011-2016	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	\$0.00	
Sep-16	2011-2016	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	\$0.00	
Oct-16	2011-2016	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	\$0.00	
Nov-16	2011-2016	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	\$0.00	
Dec-16	2011-2016	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	\$0.00	
<b>Total for 2016</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
Amount Cleared																				
Opening Balance for 2017					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-17	2011-2017	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	\$0.00	
Feb-17	2011-2017	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	\$0.00	
Mar-17	2011-2017	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	\$0.00	
Apr-17	2011-2017	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	\$0.00	
May-17	2011-2017	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	\$0.00	
Jun-17	2011-2017	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	\$0.00	
Jul-17	2011-2017	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	\$0.00	
Aug-17	2011-2017	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	\$0.00	
Sep-17	2011-2017	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	\$0.00	
Oct-17	2011-2017	Q4	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$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-17	2011-2017	Q4	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$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-17	2011-2017	Q4	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Total for 2017</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
Amount Cleared																				
Opening Balance for 2018					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-18	2011-2018	Q1	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$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-18	2011-2018	Q1	0.13%	\$37.86	\$44.06	-\$2.02	\$2.56	\$2.46	\$12.20	\$4.57	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$101.69	\$0.00	
Mar-18	2011-2018	Q1	0.13%	\$75.73	\$88.11	-\$4.04	\$5.13	\$4.91	\$24.40	\$9.14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$203.38	\$0.00	
Apr-18	2011-2018	Q2	0.16%	\$143.13	\$166.54	-\$7.64	\$9.69	\$9.29	\$46.11	\$17.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$384.38	\$0.00	
May-18	2011-2018	Q2	0.16%	\$190.84	\$222.05	-\$10.19	\$12.92	\$12.38	\$61.48	\$23.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$512.25	\$0.00	
Jun-18	2011-2018	Q2	0.16%	\$238.55	\$277.56	-\$12.74	\$16.15	\$15.48	\$76.85	\$28.80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$640.64	\$0.00	
Jul-18	2011-2018	Q3	0.16%	\$286.25	\$333.07	-\$15.28	\$19.37	\$18.57	\$92.21	\$34.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$766.77	\$0.00	
Aug-18	2011-2018	Q3	0.16%	\$333.96	\$388.59	-\$17.83	\$22.60	\$21.67	\$107.58	\$40.32	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$898.89	\$0.00	
Sep-18	2011-2018	Q3	0.16%	\$381.67	\$444.10	-\$20.38	\$25.83	\$24.76	\$122.95	\$46.08	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,025.02	\$0.00	
Oct-18	2011-2018	Q4	0.18%	\$492.99	\$573.63	-\$26.32	\$33.37	\$31.98	\$158.81	\$59.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,323.98	\$0.00	
Nov-18	2011-2018	Q4	0.18%	\$547.77	\$637.36	-\$29.25	\$37.07	\$35.54	\$176.46	\$66.13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,471.09	\$0.00	
Dec-18	2011-2018	Q4	0.18%	\$602.55	\$701.10	-\$32.17	\$40.78	\$39.09	\$194.11	\$72.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,618.20	\$0.00	
<b>Total for 2018</b>				<b>\$3,331.31</b>	<b>\$3,876.17</b>	<b>-\$177.86</b>	<b>\$225.47</b>	<b>\$216.11</b>	<b>\$1,073.16</b>	<b>\$402.20</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$8,946.56</b>	<b>\$0.00</b>	
Amount Cleared																				
Opening Balance for 2019					<b>\$3,331.31</b>	<b>\$3,876.17</b>	<b>-\$177.86</b>	<b>\$225.47</b>	<b>\$216.11</b>	<b>\$1,073.16</b>	<b>\$402.20</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$8,946.56</b>	<b>\$0.00</b>
Jan-19	2011-2019	Q1	0.20%	\$742.14	\$863.52	-\$39.62	\$50.23	\$48.15	\$239.08	\$89.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,993.10	\$0.00	
Feb-19	2011-2019	Q1	0.20%	\$742.14	\$863.52	-\$39.62	\$50.23	\$48.15	\$239.08	\$89.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,993.10	\$0.00	
Mar-19	2011-2019	Q1	0.20%	\$742.14	\$863.52	-\$39.62	\$50.23	\$48.15	\$239.08	\$89.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,993.10	\$0.00	
Apr-19	2011-2019	Q2	0.18%	\$660.35	\$788.36	-\$35.26	\$44.69	\$42.84	\$212.73	\$79.73	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,773.45	\$0.00	
May-19	2011-2019	Q2	0.18%	\$660.35	\$788.36	-\$35.26	\$44.69	\$42.84	\$212.73	\$79.73	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,773.45	\$0.00	
Jun-19	2011-2019	Q2	0.18%	\$660.35	\$788.36	-\$35.26	\$44.69	\$42.84	\$212.73	\$79.73	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,773.45	\$0.00	
Jul-19	2011-2019	Q3	0.18%	\$660.35	\$788.36	-\$35.26	\$44.69	\$42.84	\$212.73	\$79.73	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,773.45	\$0.00	
Aug-19	2011-2019	Q3	0.18%	\$660.35	\$788.36	-\$35.26</														



Legend

User Inputs (Green)
Drop Down List (Blue)
Instructions (Grey)

Instructions  
(Steps)

1. Columns B to H of this tab have been structured in a way to match the formatting of the persistence report provided by the IESO. Please copy and paste the program information by initiative in Columns B to H.
2. Please identify the source of the report via the dropdown list in Column I.
3. To facilitate the identification of adjustments that may be available in a prospective year's results report, it will be easier to sort all the savings by implementation year (Column H). This can be done by clicking on the dropdown list in Column H.
4. Please identify what the savings value represents (i.e., current year savings for the year or an adjustment to a prior year) via the dropdown list in Column J. Current year savings would be identified with the value 'Current Year'.
5. Please manually input or link the applicable savings and adjustments (Columns L to BT) for all applicable initiatives in Tabs 4 and 5 of this work form.

**NOTE: The Net Verified Peak Demand Savings table and Net Verified Energy Savings table below are in the reverse order to the accompanying tables in Tab 4 and Tab 5. The tables below are in the reverse order to the accompanying tables in Tab 4 and Tab 5.**

Table 7. 2011-2020 Verified Program Results and Persistence into Future Years

Step:	#1				#3	#2	#4	
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings
Tier 1	Consumer	Appliance Exchange	Horizon Utilities Corporation	Residential	EE	2011		Final; Released August 31, 2012
Tier 1	Consumer	Appliance Retirement	Horizon Utilities Corporation	Residential	EE	2011		Final; Released August 31, 2012
Tier 1	Consumer	Bi-Annual Retailer Event	Horizon Utilities Corporation	Residential	EE	2011		Final; Released August 31, 2012
Tier 1	Consumer	Conservation Instant Coupon Booklet	Horizon Utilities Corporation	Residential	EE	2011		Final; Released August 31, 2012
Tier 1	Consumer	HVAC Incentives	Horizon Utilities Corporation	Residential	EE	2011		Final; Released August 31, 2012
Tier 1	Consumer	Residential Demand Response	Horizon Utilities Corporation	Residential	DR	2011		Final; Released August 31, 2012
Tier 1	Consumer	Retailer Co-op	Horizon Utilities Corporation	Residential	EE	2011		Final; Released August 31, 2012
Tier 1	Business	Commercial Demand Response (part of the Re	Horizon Utilities Corporation	Commercial & Institutional	DR	2011		Final; Released August 31, 2012
Tier 1	Business	Demand Response 3 (part of the Industrial pro	Horizon Utilities Corporation	Commercial & Institutional	DR	2011		Final; Released August 31, 2012
Tier 1	Business	Direct Install Lighting	Horizon Utilities Corporation	Commercial & Institutional	EE	2011		Final; Released August 31, 2012
Tier 1	Business	Retrofit	Horizon Utilities Corporation	Commercial & Institutional	EE	2011		Final; Released August 31, 2012
Tier 1	Business	Energy Audit	Horizon Utilities Corporation	Commercial & Institutional	EE	2011		Final; Released August 31, 2012
Tier 1	Industrial	Demand Response 3	Horizon Utilities Corporation	Industrial	DR	2011		Final; Released August 31, 2012
Tier 1	Industrial	Retrofit	Horizon Utilities Corporation	Industrial	EE	2011		Final; Released August 31, 2012
Tier 1	Pre-2011 Prog	Electricity Retrofit Incentive Program	Horizon Utilities Corporation	Commercial & Institutional	EE	2011		Final; Released August 31, 2012
Tier 1	Pre-2011 Prog	High Performance New Construction	Horizon Utilities Corporation	Commercial & Institutional	EE	2011		Final; Released August 31, 2012
Tier 1	Business	Direct Install Lighting	Horizon Utilities Corporation	C&I	EE	2012		Final; Released August 31, 2013
Tier 1	Business	Retrofit	Horizon Utilities Corporation	C&I	EE	2012		Final; Released August 31, 2013
Tier 1	Business	Energy Audit	Horizon Utilities Corporation	C&I	EE	2012		Final; Released August 31, 2013
Tier 1	Business	High Performance New Construction	Horizon Utilities Corporation	C&I	EE	2012		Final; Released August 31, 2013
Tier 1	Consumer	Appliance Exchange	Horizon Utilities Corporation	Residential	EE	2012		Final; Released August 31, 2013
Tier 1	Consumer	Appliance Retirement	Horizon Utilities Corporation	Residential	EE	2012		Final; Released August 31, 2013
Tier 1	Consumer	Bi-Annual Retailer Event	Horizon Utilities Corporation	Residential	EE	2012		Final; Released August 31, 2013
Tier 1	Consumer	Conservation Instant Coupon Booklet	Horizon Utilities Corporation	Residential	EE	2012		Final; Released August 31, 2013
Tier 1	Consumer	HVAC Incentives	Horizon Utilities Corporation	Residential	EE	2012		Final; Released August 31, 2013
Tier 1	Consumer	Residential Demand Response	Horizon Utilities Corporation	Residential	DR	2012		Final; Released August 31, 2013
Tier 1	Home Assista	Home Assistance Program	Horizon Utilities Corporation	Residential	EE	2012		Final; Released August 31, 2013
Tier 1	Industrial	Demand Response 3	Horizon Utilities Corporation	Industrial	DR	2012		Final; Released August 31, 2013















**ATTACHMENT 36  
LRAMVA WORKFORM  
BRAMPTON RZ**



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	\$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	\$0.00
Amount Cleared																
Carrying Charges	\$14,916.85	\$18,801.39	\$12,408.83	\$6,061.75	\$2,258.71	\$9,768.57	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$64,216.11
<b>Total LRAMVA Balance</b>	<b>\$343,557</b>	<b>\$433,024</b>	<b>\$285,794</b>	<b>\$139,611</b>	<b>\$52,021</b>	<b>\$224,885</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,478,992</b>

Note: LDC to make note of assumptions included above, if any





# LRAMVA Work Form: Summary of Changes

**Legend**

- User Inputs (Green)
- Drop Down List (Blue)
- Instructions (Grey)

**Table A-1. Changes to Generic Assumptions in LRAMVA Work Form**

Please document any changes in assumptions made to the generic inputs of the LRAMVA work form. This may include, but are not limited to, the use of different monthly multipliers to claim demand savings from energy efficiency programs; use of different rate allocations between current year savings and prior year savings adjustments; inclusion of additional adjustments affecting distribution rates; etc. All changes should be highlighted in the work form as well.

No.	Tab	Cell Reference	Description	Rationale
1	5. 2015-2020 LRAM	Table 5-d. 2018 Lost Revenue	Alectra relied on the Participation and Cost Report (P/C) and true up any savings	There are additional CDM savings after the Participation and Cost report was published in April 2019 re
2				
3				
4				
5				
6				
7				
8				
9				
10				
etc.				

**Table A-2. Updates to LRAMVA Disposition**

Please document any changes related to interrogatories or questions during the application process that affect the LRAMVA amount.

No.	Tab	Cell Reference	Description	Rationale
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
etc.				



# LRAMVA Work Form: Forecast Lost Revenues

Version 5.0 (2021)

**Legend**

- User Inputs (Green)
- Drop Down List (Blue)
- Auto Populated Cells (White)
- Instructions (Grey)

**Table 2-a. LRAMVA Threshold**

2015

Please provide the LRAMVA threshold approved in the cost of service (COS) or custom IR (CIR) 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 24. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

Total	Residential	GS-50 kWh	General Service 50 to 699 kW	General Service 700 to 4,999 kW	Large Use	Street Lighting										
kWh							0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
kWh	53,726,379	12,486,005	1,448,724	23,836,892	15,954,758											
kW	99,768			64,526	35,242											
Summary		12486004.89	1448724.307	64525.78165	35242.11041	0	0	0	0	0	0	0	0	0	0	0

Years Included in Threshold

Source of Threshold EB-2014-0083, 2015 Cost of Service Settlement Agreement, p. 48 of 49

**Table 2-b. LRAMVA Threshold**

2015

Please provide the LRAMVA threshold approved in the cost of service (COS) or custom IR (CIR) 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 24. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

Total	Residential	GS-50 kWh	General Service 50 to 699 kW	General Service 700 to 4,999 kW	Large Use	Street Lighting										
kWh							0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
kWh	0															
kW	0															
Summary		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Years Included in Threshold

Source of Threshold EB-2014-0083

**Table 2-c. Inputs for LRAMVA Thresholds**

Please complete Table 2-c below by selecting the appropriate LRAMVA threshold year in column C. The LRAMVA threshold values in Table 2-c will auto-populate from Tables 2-a and 2-b depending on the year selected. If there was no LRAMVA threshold established for a particular year, please select the "blank" option. The LRAMVA threshold values in Table 2-c will be auto-populated in Tabs 4 and 5 of this work form.

Year	LRAMVA Threshold	Residential	GS-50 kWh	General Service 50 to 699 kW	General Service 700 to 4,999 kW	Large Use	Street Lighting										
		kWh	kWh	kW	kW	kW	kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
2011		0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2012		0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2013		0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2014		0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2015		0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2016		0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2017		0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2018	2015	12,486,005	1,448,724	64,526	35,242	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		

Note: LDC to make note of assumptions included above, if any







Ontario Energy Board

## LRAMVA Work Form: Determination of Rate Class Allocations

Version 5.0 (2021)

### Instructions

LDCs must clearly show how it has allocated actual CDM savings to applicable rate classes, including supporting documentation and rationale for its proposal. This should be shown by customer class and program each year.

The IESO performs evaluations for all of its programs, which includes examining gross energy savings from the programs and the net-to-gross ratio ("NTGR"). From these evaluations the IESO calculates net energy savings by initiative within a program group (residential, business, industrial and low income). Peak load savings are also calculated, and reported by initiative within a program group. For initiatives implemented under the Residential and Low Income Programs, 100% of CDM savings were attributed to the Residential Rate Class. For initiatives implemented under the Commercial and Industrial programs that apply to more than one rate class, the savings were estimated by rate class, based on participant-specific information, where available.

























# LRAMVA Work Form: Carrying Charges by Rate Class

Legend

- User Inputs (Green)
- Auto Populated Cells (White)
- Instructions (Grey)

Instructions

1. Please update Table 6 as new approved prescribed interest rates for deferral and variance accounts become available. Monthly interest rates are used to calculate the variance on the carrying charges for LRAMVA. Starting from column I, the principal will auto-populate as monthly variances in Table 6-a, and are multiplied by the interest rate from column H to determine the monthly variances on carrying charges for each rate class by year.
2. The annual carrying charges totals in Table 6-a below pertain to the amount that was originally collected in interest from forecasted CDM savings and what should have been collected based on actual CDM savings. As the amounts calculated in Table 6-a are cumulative, LDCs are requested to enter any collected interest amounts into the "Amounts Cleared" row in order to clear the balance and calculate outstanding variances on carrying charges.
3. Please calculate the projected interest amounts in the LRAMVA work form. Project carrying charges amounts included in Table 6-a should be consistent with the projected interest amounts included in the DVA Continuity Schedule. **If there are additional adjustments required to the formulas to calculate the projected interest amounts, please adjust the formulas in Table 6-a accordingly.**

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	2.17%
2019 Q1	2.45%
2019 Q2	2.18%
2019 Q3	2.18%
2019 Q4	2.18%
2020 Q1	2.18%
2020 Q2	2.18%
2020 Q3	0.57%
2020 Q4	0.57%
2021 Q1	
2021 Q2	
2021 Q3	
2021 Q4	
2022 Q1	
2022 Q2	
2022 Q3	
2022 Q4	
2023 Q1	
2023 Q2	
2023 Q3	
2023 Q4	
2024 Q1	
2024 Q2	
2024 Q3	
2024 Q4	
2025 Q1	
2025 Q2	
2025 Q3	
2025 Q4	

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

[Go to Tab 1: Summary](#)

Month	Period	Quarter	Monthly Rate	Residential	GS<50 kWh	General Service 50 to 699 kW	General Service 700 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
Feb-11	2011	Q1	0.12%	\$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
Apr-11	2011	Q2	0.12%	\$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
Jun-11	2011	Q2	0.12%	\$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
Aug-11	2011	Q3	0.12%	\$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
Oct-11	2011	Q4	0.12%	\$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
Dec-11	2011	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total for 2011</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>										
<b>Opening Balance for 2012</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-12	2011-2012	Q1	0.12%	\$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
Mar-12	2011-2012	Q1	0.12%	\$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
May-12	2011-2012	Q2	0.12%	\$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
Jul-12	2011-2012	Q3	0.12%	\$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
Sep-12	2011-2012	Q3	0.12%	\$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
Nov-12	2011-2012	Q4	0.12%	\$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
<b>Total for 2012</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>										
<b>Opening Balance for 2013</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-13	2011-2013	Q1	0.12%	\$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
Mar-13	2011-2013	Q1	0.12%	\$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
May-13	2011-2013	Q2	0.12%	\$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
Jul-13	2011-2013	Q3	0.12%	\$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
Sep-13	2011-2013	Q3	0.12%	\$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
Nov-13	2011-2013	Q4	0.12%	\$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
<b>Total for 2013</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>										
<b>Opening Balance for 2014</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-14	2011-2014	Q1	0.12%	\$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
Mar-14	2011-2014	Q1	0.12%	\$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
May-14	2011-2014	Q2	0.12%	\$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
Jul-14	2011-2014	Q3	0.12%	\$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
Sep-14	2011-2014	Q3	0.12%	\$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
Nov-14	2011-2014	Q4	0.12%	\$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
<b>Total for 2014</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>										
<b>Opening Balance for 2015</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-15	2011-2015	Q1	0.12%	\$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
Mar-15	2011-2015	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Check OEB website



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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$0.00	
<b>Total for 2015</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
Amount Cleared																				
Opening Balance for 2016					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
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	\$0.00	
Feb-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	\$0.00	
Mar-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	\$0.00	
Apr-16	2011-2016	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	\$0.00	
May-16	2011-2016	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	\$0.00	
Jun-16	2011-2016	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	\$0.00	
Jul-16	2011-2016	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	\$0.00	
Aug-16	2011-2016	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	\$0.00	
Sep-16	2011-2016	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	\$0.00	
Oct-16	2011-2016	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	\$0.00	
Nov-16	2011-2016	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	\$0.00	
Dec-16	2011-2016	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	\$0.00	
<b>Total for 2016</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
Amount Cleared																				
Opening Balance for 2017					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-17	2011-2017	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	\$0.00	
Feb-17	2011-2017	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	\$0.00	
Mar-17	2011-2017	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	\$0.00	
Apr-17	2011-2017	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	\$0.00	
May-17	2011-2017	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	\$0.00	
Jun-17	2011-2017	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	\$0.00	
Jul-17	2011-2017	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	\$0.00	
Aug-17	2011-2017	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	\$0.00	
Sep-17	2011-2017	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	\$0.00	
Oct-17	2011-2017	Q4	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$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-17	2011-2017	Q4	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$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-17	2011-2017	Q4	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Total for 2017</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
Amount Cleared																				
Opening Balance for 2018					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-18	2011-2018	Q1	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$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-18	2011-2018	Q1	0.13%	\$34.23	\$43.15	\$28.48	\$13.91	\$5.18	\$22.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$147.37	\$0.00	
Mar-18	2011-2018	Q1	0.13%	\$68.47	\$86.30	\$56.96	\$27.82	\$10.37	\$44.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$294.75	\$0.00	
Apr-18	2011-2018	Q2	0.16%	\$129.40	\$163.10	\$107.65	\$52.59	\$19.59	\$84.74	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$557.07	\$0.00	
May-18	2011-2018	Q2	0.16%	\$172.54	\$217.47	\$143.53	\$70.11	\$26.13	\$112.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$742.76	\$0.00	
Jun-18	2011-2018	Q2	0.16%	\$215.67	\$271.83	\$179.41	\$87.64	\$32.66	\$141.24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$928.45	\$0.00	
Jul-18	2011-2018	Q3	0.16%	\$258.80	\$326.20	\$215.29	\$106.17	\$39.19	\$169.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,114.14	\$0.00	
Aug-18	2011-2018	Q3	0.16%	\$301.94	\$380.57	\$251.17	\$122.70	\$45.72	\$197.73	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,299.83	\$0.00	
Sep-18	2011-2018	Q3	0.16%	\$345.07	\$434.93	\$287.05	\$140.23	\$52.25	\$225.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,485.52	\$0.00	
Oct-18	2011-2018	Q4	0.18%	\$445.72	\$561.79	\$370.78	\$181.13	\$67.49	\$291.89	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,918.79	\$0.00	
Nov-18	2011-2018	Q4	0.18%	\$495.24	\$624.21	\$411.98	\$201.25	\$74.99	\$324.32	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,131.99	\$0.00	
Dec-18	2011-2018	Q4	0.18%	\$544.77	\$686.63	\$453.17	\$221.38	\$82.49	\$356.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,345.19	\$0.00	
<b>Total for 2018</b>				<b>\$3,011.85</b>	<b>\$3,796.18</b>	<b>\$2,505.46</b>	<b>\$1,223.93</b>	<b>\$456.06</b>	<b>\$1,972.37</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$12,965.84</b>	<b>\$0.00</b>	
Amount Cleared																				
Opening Balance for 2019					<b>\$3,011.85</b>	<b>\$3,796.18</b>	<b>\$2,505.46</b>	<b>\$1,223.93</b>	<b>\$456.06</b>	<b>\$1,972.37</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$12,965.84</b>
Jan-19	2011-2019	Q1	0.20%	\$670.97	\$845.70	\$558.16	\$272.66	\$101.60	\$439.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,888.50	\$0.00	
Feb-19	2011-2019	Q1	0.20%	\$670.97	\$845.70	\$558.16	\$272.66	\$101.60	\$439.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,888.50	\$0.00	
Mar-19	2011-2019	Q1	0.20%	\$670.97	\$845.70	\$558.16	\$272.66	\$101.60	\$439.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,888.50	\$0.00	
Apr-19	2011-2019	Q2	0.18%	\$597.03	\$752.50	\$496.65	\$242.61	\$90.40	\$390.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,570.18	\$0.00	
May-19	2011-2019	Q2	0.18%	\$597.03	\$752.50	\$496.65	\$242.61	\$90.40	\$390.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,570.18	\$0.00	
Jun-19	2011-2019	Q2	0.18%	\$597.03	\$752.50	\$496.65	\$242.61	\$90.40	\$390.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,570.18	\$0.00	
Jul-19	2011-2019	Q3	0.18%	\$597.03	\$752.50	\$496.65	\$242.61	\$90.40	\$390.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,570.18	\$0.00	
Aug-19	2011-2019	Q3	0.18%	\$597.03	\$7															



n:  
rom IESO

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to H and the corresponding demand and energy savings data by initiative in Columns L to BT of this work form.

ng on the filter button at cell H25 (highlighted in orange). Before you sort values, please ensure that all table columns have filters.

implementation year that matches the year of the persistence report. A savings adjustment would be identified with a prior year implementation in the future year's results report.

ch those provided by the IESO.

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

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
				778	778	778	778	778	778	778	778	778	775	748	748	748	747	651	651	279					
				901	901	901	901	901	901	901	901	901	901	901	901	901	901	901	901	901	901	786			
				84	84	84	84	84	84	84	84	84	84	83	83	83	83	83	20	7	1				
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				9	9	9	9	9	9	9	9	9	9	2	0	0	0	0	0	0	0	0	0	0	0
				2,862	2,778	2,778	2,778	2,778	2,740	2,740	2,740	2,695	2,695	2,655	1,926	498	498	127	20	20	20	20	20	20	2
				23	23	23	23	21	20	19	17	13	8	7	5	4	4	3	3	3	3	2	2	2	2
				926	926	926	926	926	926	926	926	926	926	926	926	926	926	926	918	914	673	549	549	549	549
				3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	0	0	0	0
				199	199	199	199	199	199	199	199	199	199	0	0	0	0	0	0	0	0	0	0	0	0
				76	76	76	76	76	76	76	76	76	76	76	76	76	68	68	31	31	0	0	0	0	0







# LRAMVA Work Form: Documentation for Streetlighting Projects

Legend | User Inputs (Green)

### Instructions

Please provide documentation and/or data to substantiate program savings that were not provided in the IESO's verified results reports (i.e., streetlighting projects).

Distributors are encouraged to provide data in the following format, and complete a separate set of following tables for each project. The tables below are meant to be an example. Distributors should complete the tables based on the actual project details. Please create the necessary links to Tab 4/5 and tabulations within this LRAMVA workform to calculate the LRAMVA amounts. Alternatively, LDCs may submit a separate attachment with the project level details for billed demand by type of bulb.

Table 8-a: City of Brampton

### Summary of Project #161218

Actual lost revenue based on kW billing				
Month	Billed amount (kW)	Gross kW reduction	Net to Gross Ratio	Net kW reduction
	a	b	c	b * c
Jan-18	693.77		90%	
Feb-18	202.81	-490.96	90%	-442.06
Mar-18	202.81	-490.96	90%	-442.06
Apr-18	202.81	-490.96	90%	-442.06
May-18	202.81	-490.96	90%	-442.06
Jun-18	202.81	-490.96	90%	-442.06
Jul-18	202.81	-490.96	90%	-442.06
Aug-18	202.81	-490.96	90%	-442.06
Sep-18	202.81	-490.96	90%	-442.06
Oct-18	202.81	-490.96	90%	-442.06
Nov-18	202.81	-490.96	90%	-442.06
Dec-18	202.81	-490.96	90%	-442.06
<b>Total</b>				<b>-4862.6147</b>
Persistence in 20XX				
Persistence in 20XX				
Persistence in 20XX				
Persistence in 20XX				

### Details of Project #161218

Pre-conversion billing demand

Fixture type	Billing Wattage (kW)	Quantity	Billed amount (kW)
	d		d * e
Cobra - HPS 250W	0.305	19	5.795
Cobra - HPS 400W	0.46	17	7.82
Cobra - HPS 150W	0.19	2	0.38
Cobra - HPS 250W	0.305	7	2.135
Cobra - HPS 400W	0.46	2	0.92
Cobra - HPS 250W	0.305	2	0.61
Cobra - HPS 400W	0.46	18	8.28
Cobra - HPS 250W	0.305	1	0.305
Cobra - HPS 150W	0.19	2	0.38
Cobra - HPS 250W	0.305	6	1.83
Cobra - HPS 400W	0.46	15	6.9
Cobra - HPS 250W	0.305	6	1.83
Cobra - HPS 400W	0.46	27	12.42
Cobra - HPS 70W	0.096	63	6.048
Cobra - HPS 100W	0.13	52	6.76
Cobra - HPS 150W	0.19	13	2.47
Cobra - HPS 250W	0.305	35	10.675
Cobra - LED 53W	0.053	19	1.007
Cobra - HPS 70W	0.096	24	2.304
Cobra - HPS 150W	0.19	115	21.85
Cobra - HPS 250W	0.305	12	3.66
Cobra - HPS 150W	0.19	23	4.37
Cobra - HPS 150W	0.19	64	12.16
Cobra - HPS 250W	0.305	47	14.335
Cobra - HPS 400W	0.46	1	0.46
Cobra - HPS 70W	0.096	1	0.096
Cobra - HPS 150W	0.19	36	6.84
Cobra - HPS 250W	0.305	18	5.49
Cobra - HPS 150W	0.19	21	3.99
Cobra - HPS 250W	0.305	83	25.315
Cobra - HPS 150W	0.19	195	37.05
Cobra - HPS 250W	0.305	72	21.96
Cobra - HPS 400W	0.46	3	1.38
Cobra - HPS 70W	0.096	27	2.592
Cobra - HPS 150W	0.19	452	85.88
Cobra - HPS 250W	0.305	247	75.335
Cobra - HPS 400W	0.46	5	2.3
Cobra - HPS 70W	0.096	1	0.096
Cobra - HPS 150W	0.19	44	8.36
Cobra - HPS 200W	0.25	1	0.25

Post-conversion billing demand

Fixture type	Billing Wattage (kW)	Quantity	Billed amount (kW)
	d <sub>1</sub>		d <sub>1</sub> * e <sub>1</sub>
103W_XSPGLG D HT 2ME 18L 40K7 U	0.103	19	1.957
103W_XSPGLG D HT 2ME 18L 40K7 U	0.103	17	1.751
103W_XSPGLG D HT 3ME 18L 40K7 U	0.103	2	0.206
103W_XSPGLG D HT 3ME 18L 40K7 U	0.103	7	0.721
103W_XSPGLG D HT 3ME 18L 40K7 U	0.103	2	0.206
116W_XSPGLG D HT 3ME 18L 40K7 U	0.116	2	0.232
116W_XSPGLG D HT 3ME 18L 40K7 U	0.116	18	2.088
128W_XSPGLG D HT 2ME 18L 40K7 U	0.128	1	0.128
128W_XSPGLG D HT 3ME 18L 40K7 U	0.128	2	0.256
128W_XSPGLG D HT 3ME 18L 40K7 U	0.128	6	0.768
128W_XSPGLG D HT 3ME 18L 40K7 U	0.128	15	1.92
156W_XSPGLG D HT 3ME 24L 40K7 U	0.156	6	0.936
156W_XSPGLG D HT 3ME 24L 40K7 U	0.156	27	4.212
30W_XSPSM D HT 2ME 5L 40K7 UL	0.03	63	1.89
30W_XSPSM D HT 2ME 5L 40K7 UL	0.03	52	1.56
30W_XSPSM D HT 2ME 5L 40K7 UL	0.03	13	0.39
30W_XSPSM D HT 2ME 5L 40K7 UL	0.03	35	1.05
47W_XSPSM D HT 2ME 5L 30K7 UL	0.027	19	0.513
62W_XSPSM D HT 2ME 8L 40K7 UL	0.062	24	1.488
62W_XSPSM D HT 2ME 8L 40K7 UL	0.062	115	7.13
62W_XSPSM D HT 2ME 8L 40K7 UL	0.062	12	0.744
62W_XSPSM D HT 3ME 8L 30K7 UL	0.062	23	1.426
62W_XSPSM D HT 3ME 8L 40K7 UL	0.062	64	3.968
62W_XSPSM D HT 3ME 8L 40K7 UL	0.062	47	2.914
62W_XSPSM D HT 3ME 8L 40K7 UL	0.062	1	0.062
65W_XSPSM D HT 2ME 8L 40K7 UL	0.065	1	0.065
65W_XSPSM D HT 2ME 8L 40K7 UL	0.065	36	2.34
65W_XSPSM D HT 2ME 8L 40K7 UL	0.065	18	1.17
65W_XSPSM D HT 3ME 8L 40K7 UL	0.065	21	1.365
65W_XSPSM D HT 3ME 8L 40K7 UL	0.065	83	5.395
67W_XSPMD D HT 2ME 12L 40K7 U	0.067	195	13.065
67W_XSPMD D HT 2ME 12L 40K7 U	0.067	72	4.824
67W_XSPMD D HT 2ME 12L 40K7 U	0.067	3	0.201
67W_XSPMD D HT 3ME 12L 40K7 U	0.067	27	1.809
67W_XSPMD D HT 3ME 12L 40K7 U	0.067	452	30.284
67W_XSPMD D HT 3ME 12L 40K7 U	0.067	247	16.549
67W_XSPMD D HT 3ME 12L 40K7 U	0.067	5	0.335
69W_XSPSM D HT 2ME 8L 40K7 UL	0.069	1	0.069
69W_XSPSM D HT 2ME 8L 40K7 UL	0.069	44	3.036
69W_XSPSM D HT 2ME 8L 40K7 UL	0.069	1	0.069









**ATTACHMENT 37  
LRAMVA WORKFORM  
POWERSTREAM RZ**



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	\$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	\$0.00
Amount Cleared																
Carrying Charges	\$80,252.89	\$18,476.11	\$81,014.73	\$1,416.80	\$16.06	\$33.26	(\$2,286.55)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$178,923.30
<b>Total LRAMVA Balance</b>	<b>\$1,848,343</b>	<b>\$425,532</b>	<b>\$1,865,890</b>	<b>\$32,631</b>	<b>\$370</b>	<b>\$766</b>	<b>-\$52,663</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,120,870</b>

Note: LDC to make note of assumptions included above, if any



# LRAMVA Work Form: Summary of Changes

**Legend**

- User Inputs (Green)
- Drop Down List (Blue)
- Instructions (Grey)

**Table A-1. Changes to Generic Assumptions in LRAMVA Work Form**

Please document any changes in assumptions made to the generic inputs of the LRAMVA work form. This may include, but are not limited to, the use of different monthly multipliers to claim demand savings from energy efficiency programs; use of different rate allocations between current year savings and prior year savings adjustments; inclusion of additional adjustments affecting distribution rates; etc. All changes should be highlighted in the work form as well.

No.	Tab	Cell Reference	Description	Rationale
1	5. 2015-2020 LRAM	Table 5-d. 2018 Lost Revenue	Alectra relied on the Participation and Cost Report (P/C) and true up any savings	There are additional CDM savings after the Participation and Cost report was published in April 2019 re
2				
3				
4				
5				
6				
7				
8				
9				
10				
etc.				

**Table A-2. Updates to LRAMVA Disposition**

Please document any changes related to interrogatories or questions during the application process that affect the LRAMVA amount.

No.	Tab	Cell Reference	Description	Rationale
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
etc.				



# LRAMVA Work Form: Forecast Lost Revenues

Version 5.0 (2021)

**Legend**

- User Inputs (Green)
- Drop Down List (Blue)
- Auto Populated Cells (White)
- Instructions (Grey)

**Table 2-a. LRAMVA Threshold**

2017

Please provide the LRAMVA threshold approved in the cost of service (COS) or custom IR (CIR) 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 24. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

Total	Residential	GS<50 kW	GS>50 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting								
kWh								0.0	0.0	0.0	0.0	0.0	0.0	0.0	
kWh	58,774,622	32,226,368	26,548,154				40557.853								
kW	304,715		264157.479												
Summary		32226368.16	26548153.55	264157.479	0	0	0	40557.853	0	0	0	0	0	0	0

Years Included in Threshold 0.5 \* 201X + 20XX + 0.5 \* 20XX (if available)

Source of Threshold EB-2015-0003, Exhibit H, Tab 2; IR III-VECC-25

**Table 2-b. LRAMVA Threshold**

Please provide the LRAMVA threshold approved in the cost of service (COS) or custom IR (CIR) 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 24. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

Total	Residential	GS<50 kW	GS>50 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting								
kWh								0.0	0.0	0.0	0.0	0.0	0.0	0.0	
kWh	0														
kW	0														
Summary		0	0	0	0	0	0	0	0	0	0	0	0	0	0

Years Included in Threshold

Source of Threshold 20XX Settlement Agreement, p. X

**Table 2-c. Inputs for LRAMVA Thresholds**

Please complete Table 2-c below by selecting the appropriate LRAMVA threshold year in column C. The LRAMVA threshold values in Table 2-c will auto-populate from Tables 2-a and 2-b depending on the year selected. If there was no LRAMVA threshold established for a particular year, please select the "blank" option. The LRAMVA threshold values in Table 2-c will be auto-populated in Tabs 4 and 5 of this work form.

Year	LRAMVA Threshold	Residential	GS<50 kW	GS>50 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting								
		kWh	kWh	kW	kW	kWh	kW	kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2011		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2013		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2014		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2015		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2016		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2017		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2018	2017	32,226,368	26,548,154	264,157	0	0	0	40,558	0	0	0	0	0	0	0	
2019		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: Determination of Rate Class Allocations

Version 5.0 (2021)

## Instructions

LDCs must clearly show how it has allocated actual CDM savings to applicable rate classes, including supporting documentation and rationale for its proposal. This should be shown by customer class and program each year.

The IESO performs evaluations for all of its programs, which includes examining gross energy savings from the programs and the net-to-gross ratio ("NTGR"). From these evaluations the IESO calculates net energy savings by initiative within a program group (residential, business, industrial and low income). Peak load savings are also calculated, and reported by initiative within a program group. For initiatives implemented under the Residential and Low Income Programs, 100% of CDM savings were attributed to the Residential Rate Class. For initiatives implemented under the Commercial and Industrial programs that apply to more than one rate class, the savings were estimated by rate class, based on participant-specific information, where available.

# LRAMVA Work Form: 2011 - 2014 Lost Revenues Work Form

**Legend**

User Inputs (Green)
Auto Populated Cells (White)
Instructions (Grey)

**Instructions**

- 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.
- 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 2011.
- 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 4.
- LDC are requested to input the applicable rate class allocation percentages to allocate actual savings to the rate classes. The generic template 6.
- 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-

- Tables**
- [Table 4-a. 2011 Lost Revenues](#)
  - [Table 4-b. 2012 Lost Revenues](#)
  - [Table 4-c. 2013 Lost Revenues](#)
  - [Table 4-d. 2014 Lost Revenues](#)

**Table 4-a. 2011 Lost Revenues Work Form**

Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Rate Allocations for LRAMVA														Total
		2011	2011	Residential	GS<50 kW	GS>50 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting								
<b>Consumer Program</b>				kWh	kWh	kW	kW	kWh	kW	kW	0	0	0	0	0	0	0	
Actual CDM Savings in 2011		0	0	0	0	0	0	0	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 LRAMVA 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	
2011 Savings Persisting in 2012				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2013				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2014				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2015				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2016				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2017				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2018				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2019				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2020				0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Note: LDC to make note of key assumptions included above

**Table 4-b. 2012 Lost Revenues Work Form**

Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Rate Allocations for LRAMVA														Total
		2012	2012	Residential	GS<50 kW	GS>50 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting								
<b>Consumer Program</b>				kWh	kWh	kW	kW	kWh	kW	kW	0	0	0	0	0	0	0	
Actual CDM Savings in 2012		0	0	0	0	0	0	0	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 LRAMVA 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	
2012 Savings Persisting in 2013				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2014				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2015				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2016				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2017				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2018				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2019				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2020				0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Note: LDC to make note of key assumptions included above

Table 4-c. 2013 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings (kWh)		Net Demand Savings (kW)		Rate Allocations for LRAMVA												Total
		2013	2013	Residential	GS<50 kW	GS>50 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting								
		kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	
<b>Consumer Program</b>																		
Actual CDM Savings in 2013		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forecast CDM Savings in 2013		0	0	0	0	0	0	0	0	0	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	\$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	\$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	\$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	\$0.00	\$0.00	\$0.00
<b>Total Lost Revenues in 2013</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
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	\$0.00	\$0.00	\$0.00
LRAMVA in 2013																		\$0.00
2013 Savings Persisting in 2014				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2015				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2016				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2017				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2018				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2019				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2020				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: LDC to make note of key assumptions included above

Table 4-d. 2014 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings (kWh)		Net Demand Savings (kW)		Rate Allocations for LRAMVA												Total
		2014	2014	Residential	GS<50 kW	GS>50 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting								
		kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	
<b>Consumer Program</b>																		
Actual CDM Savings in 2014		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forecast CDM Savings in 2014		0	0	0	0	0	0	0	0	0	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	\$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	\$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	\$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	\$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	\$0.00	\$0.00	\$0.00
<b>Total Lost Revenues in 2014</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
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	\$0.00	\$0.00	\$0.00
LRAMVA in 2014																		\$0.00
2014 Savings Persisting in 2015				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014 Savings Persisting in 2016				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014 Savings Persisting in 2017				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014 Savings Persisting in 2018				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014 Savings Persisting in 2019				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014 Savings Persisting in 2020				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: LDC to make note of key assumptions included above



Ontario Energy Board

# LRAMVA Work Form: 2015 - 2020 Lost Revenues Work Form

Legend	User Inputs (Green)
	Auto Populated Cells (White)
	Instructions (Grey)

**Instructions**

- 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
- Please ensure that the IESO verified savings adjustments apply back to the program year it relates to. For example, savings adjustments related to
- 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
- LDC are requested to input the applicable rate class allocation percentages to allocate actual savings to the rate classes. The generic template is provided for your reference. 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

- Tables**
- [Table 5-a. 2015 Lost Revenues](#)
  - [Table 5-b. 2016 Lost Revenues](#)
  - [Table 5-c. 2017 Lost Revenues](#)
  - [Table 5-d. 2018 Lost Revenues](#)
  - [Table 5-e. 2019 Lost Revenues](#)
  - [Table 5-f. 2020 Lost Revenues](#)

Table 5-a. 2015 Lost Revenues Work Form

Program	Results Status	Net Energy Savings (kWh)		Net Demand Savings (kW)		Rate Allocations for LRAMVA													Total
		2015	2015	Residential	GS<50 kW	GS>50 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting									
		kWh	kWh	kWh	kWh	kW	kW	kWh	kW	kW	kW	0	0	0	0	0	0		
<b>Legacy Framework</b>																			
Actual CDM Savings in 2015		99,706,929	15,543	18,677,311	11,963,081	111,870	0	0	0	0	0	0	0	0	0	0	0	0	
Forecast CDM Savings in 2015		0	0	0	0	0	0	0	0	0	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	\$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	\$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	\$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	\$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	\$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	\$0.00	\$0.00	\$0.00	
<b>Total Lost Revenues in 2015</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
<b>Forecast Lost Revenues in 2015</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
<b>LRAMVA in 2015</b>																		<b>\$0.00</b>	
2015 Savings Persisting in 2016				18,604,916	10,939,048	111,976	0	0	0	0	0	0	0	0	0	0	0	0	
2015 Savings Persisting in 2017				18,600,366	11,603,337	112,027	0	0	0	0	0	0	0	0	0	0	0	0	
2015 Savings Persisting in 2018				18,595,294	11,667,395	111,127	0	0	0	0	0	0	0	0	0	0	0	0	
2015 Savings Persisting in 2019				18,426,148	11,242,238	108,250	0	0	0	0	0	0	0	0	0	0	0	0	
2015 Savings Persisting in 2020				18,331,323	11,239,137	100,954	0	0	0	0	0	0	0	0	0	0	0	0	

Note: LDC to make note of key assumptions included above

Table 5-b. 2016 Lost Revenues Work Form

Program	Results Status	Net Energy Savings (kWh)		Net Demand Savings (kW)		Rate Allocations for LRAMVA													Total
		2016	2016	Residential	GS<50 kW	GS>50 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting									
		kWh	kWh	kWh	kWh	kW	kW	kWh	kW	kW	kW	0	0	0	0	0	0		
<b>Legacy Framework</b>																			
Actual CDM Savings in 2016		136,593,839	22,206	55,457,287	11,990,992	131,990	0	0	0	0	0	0	0	0	0	0	0	0	
Forecast CDM Savings in 2016		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Distribution Rate in 2016		\$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	\$0.00000	\$0.00000	\$0.00000	
Lost Revenue in 2016 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	\$0.00	\$0.00	\$0.00	
Lost Revenue in 2016 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	\$0.00	\$0.00	\$0.00	
Lost Revenue in 2016 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	\$0.00	\$0.00	\$0.00	
Lost Revenue in 2016 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	\$0.00	\$0.00	\$0.00	
Lost Revenue in 2016 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	\$0.00	\$0.00	\$0.00	
Lost Revenue in 2016 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	\$0.00	\$0.00	\$0.00	
<b>Total Lost Revenues in 2016</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
<b>Forecast Lost Revenues in 2016</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
<b>LRAMVA in 2016</b>																		<b>\$0.00</b>	
2016 Savings Persisting in 2017				44,037,972	11,113,996	131,343	0	0	0	0	0	0	0	0	0	0	0	0	
2016 Savings Persisting in 2018				44,037,972	11,118,297	131,129	0	0	0	0	0	0	0	0	0	0	0	0	
2016 Savings Persisting in 2019				40,014,022	8,960,634	104,499	0	0	0	0	0	0	0	0	0	0	0	0	

2016 Savings Persisting in 2020	40,014,022	8,893,876	104,499	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Note: LDC to make note of key assumptions included above

Table 5-c. 2017 Lost Revenues Work Form [Return to top](#)

Program	Results Status	Net Energy Savings (kWh)		Net Demand Savings (kW)		Rate Allocations for LRAMVA												Total
		2017	2017	Residential	GS<50 kW	GS>50 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting								
<b>Legacy Framework</b>				kWh	kWh	kW	kW	kWh	kW	kW	0	0	0	0	0	0	0	0
Actual CDM Savings in 2017		228,763,057	36,244	107,068,395	16,202,239	232,780	1,547	0	0	0	0	0	0	0	0	0	0	0
Forecast CDM Savings in 2017				0	0	0	0	0	0	0	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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$0.00
<b>Total Lost Revenues in 2017</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Forecast Lost Revenues in 2017</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>LRAMVA in 2017</b>																		<b>\$0.00</b>
2017 Savings Persisting in 2018				90,353,387	16,334,205	236,606	1,584	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	0
2017 Savings Persisting in 2020				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: LDC to make note of key assumptions included above

Table 5-d. 2018 Lost Revenues Work Form [Return to top](#)

Program	Results Status	Net Energy Savings (kWh)		Net Demand Savings (kW)		Rate Allocations for LRAMVA												Total	
		2018	2018	Residential	GS<50 kW	GS>50 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting									
<b>Legacy Framework</b>				kWh	kWh	kW	kW	kWh	kW	kW	0	0	0	0	0	0	0	0	
1	Residential Program																		
	Coupon Initiative	PIC Report	0	0	100.00%														100%
	Adjustment to 2018 savings	Post PIC Report	47,246	3	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	PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2018 savings	Post PIC Report			0.00%	0.00%	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	PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2018 savings	Post PIC Report			0.00%	0.00%	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	PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2018 savings	Post PIC Report			0.00%	0.00%	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	PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2018 savings	Post PIC Report			0.00%	0.00%	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	Commercial & Institutional Program																		
	Enerov Audit Initiative	PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2018 savings	Post PIC Report			0.00%	0.00%	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	PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2018 savings	Post PIC Report			0.00%	0.00%	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	PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2018 savings	Post PIC Report			0.00%	0.00%	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	PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2018 savings	Post PIC Report			0.00%	0.00%	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	PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2018 savings	Post PIC Report			0.00%	0.00%	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	Industrial Program																		
	Process and Systems Upgrades Initiatives -	PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Project Incentive Initiative	Post PIC Report			0.00%	0.00%	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 -	PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Monitoring and Targeting Initiative	Post PIC Report			0.00%	0.00%	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 -	PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Enerov Manager Initiative	Post PIC Report			0.00%	0.00%	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 Program																		
	Low Income Initiative	PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2018 savings	Post PIC Report			0.00%	0.00%	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	Other																		
	Aboriginal Conservation Program	PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2018 savings	Post PIC Report			0.00%	0.00%	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	PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
	Adjustment to 2018 savings	Post PIC Report			0.00%	0.00%	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	<b>Conservation Fund Pilots</b> Conservation Fund Pilot - EnerNOC Adjustment to 2018 savings	P/C Report Post P/C Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
18	Loblaws Pilot Adjustment to 2018 savings	P/C Report Post P/C Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
19	Conservation Fund Pilot - SEG Adjustment to 2018 savings	P/C Report Post P/C Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
20	Social Benchmarking Pilot Adjustment to 2018 savings	P/C Report Post P/C Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Conservation First Framework</b>																	
<b>Residential Province-Wide Programs</b>																	
21	Save on Energy Instant Discount Program Adjustment to 2018 savings	P/C Report Post P/C Report	14,839,116 0	1,277 0	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
22	Save on Energy Heating and Cooling Program Adjustment to 2018 savings	P/C Report Post P/C Report	3,630,431 265,142	1,835 134	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
23	Save on Energy New Construction Program Adjustment to 2018 savings	P/C Report Post P/C Report	776,525 0	149 0	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
24	Save on Energy Home Assistance Program Adjustment to 2018 savings	P/C Report Post P/C Report	159,460 0	20 0	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
<b>Non-Residential Province-Wide Programs</b>																	
25	Save on Energy Audit Funding Program Adjustment to 2018 savings	P/C Report Post P/C Report	940,664 1,999,351	42 89	0.00%	6.67%	93.33%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
26	Save on Energy Retrofit Program Adjustment to 2018 savings	P/C Report Post P/C Report	21,869,165 15,296,437	3,589 2,534	0.00%	3.09%	97.21%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
27	Save on Energy Small Business Lighting Program Adjustment to 2018 savings	P/C Report Post P/C Report	1,688,567 347,307	316 65	0.00%	1.68%	98.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
28	Save on Energy High Performance New Construction Program Adjustment to 2018 savings	P/C Report Post P/C Report	5,384,851 7,635,854	1,242 1,762	0.00%	0.01%	65.92%	34.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
29	Save on Energy Retrofit Program - Streetlighting Project Adjustment to 2018 savings	P/C Report Post P/C Report	0 531,594	0 2,720	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
30	Save on Energy Process & Systems Upgrades Program Adjustment to 2018 savings	P/C Report Post P/C Report	120,798 391,563	0 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%
31	Save on Energy Retrofit Program - P4P Adjustment to 2018 savings	P/C Report Post P/C Report	6,251,924 46,353,628	1,157 8,576	0.00%	14.95%	84.37%	0.00%	0.03%	0.06%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	99%
32	Save on Energy Energy Manager Program Adjustment to 2018 savings	P/C Report Post P/C Report	8,320,175 0	588 0	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
<b>Local &amp; Regional Programs</b>																	
33	Business Refrigeration Local Program Adjustment to 2018 savings	P/C Report Post P/C Report	829,756 0	83 0	0.00%	37.49%	61.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	99%
34	Smart Thermostat Program Adjustment to 2018 savings	P/C Report Post P/C Report	398,277 0	0 0	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
35	Social Benchmarking Local Program Adjustment to 2018 savings	P/C Report Post P/C Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Pilot Programs</b>																	
36	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund Adjustment to 2018 savings	P/C Report Post P/C Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
37	EnWin Utilities Ltd. - Building Optimization Pilot Adjustment to 2018 savings	P/C Report Post P/C Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
38	EnWin Utilities Ltd. - Re-Invest Pilot Adjustment to 2018 savings	P/C Report Post P/C Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
39	Horizon Utilities Corporation - ECM Furnace Motor Pilot Adjustment to 2018 savings	P/C Report Post P/C Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
40	Horizon Utilities Corporation - Social Benchmarking Pilot Adjustment to 2018 savings	P/C Report Post P/C Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
41	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot Adjustment to 2018 savings	P/C Report Post P/C Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
42	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot Adjustment to 2018 savings	P/C Report Post P/C Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
43	Kitchener-Willmot Hydro Inc. - Pilot - DCKV Adjustment to 2018 savings	P/C Report Post P/C Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%

44	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agricultural Sector Adjustment to 2018 savings	PIC Report Post PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
45	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic Adjustment to 2018 savings	PIC Report Post PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls Adjustment to 2018 savings	PIC Report Post PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
47	Social Benchmarking Program - Simple Energy Adjustment to 2018 savings	PIC Report Post PIC Report	0 3,085,423	0 493	100.00%	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%	100%
48	Social Benchmarking Program - OPower Adjustment to 2018 savings	PIC Report Post PIC Report	0 29,380,302	0 0	100.00%	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%	100%
49	Toronto Hydro-Electric System Limited - PFP - Larioe (Pilot Savings) Adjustment to 2018 savings	PIC Report Post PIC Report			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
<b>Actual CDM Savings in 2018</b>			<b>170,343,557</b>	<b>26,674</b>	<b>52,581,922</b>	<b>9,550,878</b>	<b>207,363</b>	<b>12,254</b>	<b>18,052</b>	<b>74</b>	<b>32,637</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Forecast CDM Savings in 2018</b>			<b>32,226,368</b>	<b>26,548,154</b>	<b>264,157</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40,558</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Distribution Rate in 2018			\$0.01020	\$0.01840	\$4.22890	\$2.25560	\$0.01960	\$9.92860	\$6.38010	\$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	\$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	\$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	\$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	\$0.00	\$0.00	\$0.00
Lost Revenue in 2018 from 2015 programs			\$189,672.00	\$214,680.06	\$469,943.08	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$874,295.14
Lost Revenue in 2018 from 2016 programs			\$449,187.32	\$204,576.66	\$554,530.43	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,208,294.40
Lost Revenue in 2018 from 2017 programs			\$921,604.55	\$300,549.38	\$1,000,581.67	\$3,573.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,226,309.43
Lost Revenue in 2018 from 2018 programs			\$536,335.61	\$175,736.15	\$876,915.37	\$27,640.35	\$353.81	\$732.81	\$207,575.83	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,825,289.93
<b>Total Lost Revenues in 2018</b>			<b>\$2,096,799.47</b>	<b>\$895,542.25</b>	<b>\$2,901,970.55</b>	<b>\$31,214.19</b>	<b>\$353.81</b>	<b>\$732.81</b>	<b>\$207,575.83</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$6,134,188.90</b>
Forecast Lost Revenues in 2018			\$325,709.96	\$488,486.03	\$1,117,095.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$257,952.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,192,242.54
LRAMVA in 2018																			\$3,941,946.36
2018 Savings Persisting in 2019			0	0	0	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	0	0	0

Note: Alectra relied on the Participation and Cost Report (P/C) and true up any savings subsequent to P/C report based on the CDM listing on closed/paid projects

Table 5-a. 2019 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Rate Allocations for LRAMVA														Total
				2019	2019	Residential	GS<50 kW	GS>50 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting						
<b>Legacy Framework</b>				kWh	kWh	kW	kW	kWh	kW	kW	0	0	0	0	0	0	0	0
<b>Residential Program</b>																		
1	Coupon Initiative Adjustment to 2019 savings	Verified 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%
2	Bi-Annual Retailer Event Initiative Adjustment to 2019 savings	Verified 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%
3	Appliance Retirement Initiative Adjustment to 2019 savings	Verified 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%
4	HVAC Incentives Initiative Adjustment to 2019 savings	Verified 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%
5	Residential New Construction and Major Adjustment to 2019 savings	Verified 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%
<b>Commercial &amp; Institutional Program</b>																		
6	Enerov Audit Initiative Adjustment to 2019 savings	Verified 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%
7	Efficiency: Equipment Replacement Incentive Initiative Adjustment to 2019 savings	Verified 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%
8	Direct Install Lighting and Water Heating Initiative Adjustment to 2019 savings	Verified 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%
9	New Construction and Major Renovation Initiative Adjustment to 2019 savings	Verified 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%
10	Existing Building Commissioning Incentive Initiative Adjustment to 2019 savings	Verified 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%
<b>Industrial Program</b>																		
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative Adjustment to 2019 savings	Verified 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%
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative Adjustment to 2019 savings	Verified 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%
13	Process and Systems Upgrades Initiatives - Enerov Manager Initiative Adjustment to 2019 savings	Verified 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%

14	<b>Low Income Program</b> Low Income Initiative Adjustment to 2019 savings	Verified 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%
15	<b>Other</b> Aboriginal Conservation Program Adjustment to 2019 savings	Verified 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%
16	Program Enabled Savings Adjustment to 2019 savings	Verified 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%
17	<b>Conservation Fund Pilots</b> Conservation Fund Pilot - EnerNOC Adjustment to 2019 savings	Verified 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%
18	Loblaws Pilot Adjustment to 2019 savings	Verified 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%
19	Conservation Fund Pilot - SEG Adjustment to 2019 savings	Verified 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%
20	Social Benchmarking Pilot Adjustment to 2019 savings	Verified 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%
21	<b>Conservation First Framework</b> <b>Residential Province-Wide Programs</b> Save on Energy Coupon Program Adjustment to 2019 savings	Verified 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%
22	Save on Energy Heating and Cooling Program Adjustment to 2019 savings	Verified 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%
23	Save on Energy New Construction Program Adjustment to 2019 savings	Verified 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%
24	Save on Energy Home Assistance Program Adjustment to 2019 savings	Verified 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%
25	<b>Non-Residential Province-Wide Programs</b> Save on Energy Audit Funding Program Adjustment to 2019 savings	Verified 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%
26	Save on Energy Retrofit Program Adjustment to 2019 savings	Verified 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%
27	Save on Energy Small Business Lighting Program Adjustment to 2019 savings	Verified 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%
28	Save on Energy High Performance New Construction Program Adjustment to 2019 savings	Verified 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%
29	Save on Energy Existing Building Commissioning Program Adjustment to 2019 savings	Verified 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%
30	Save on Energy Process & Systems Upgrades Program Adjustment to 2019 savings	Verified 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%
31	Save on Energy Monitoring & Targeting Program Adjustment to 2019 savings	Verified 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%
32	Save on Energy Energy Manager Program Adjustment to 2019 savings	Verified 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%
33	<b>Local &amp; Regional Programs</b> Business Refrigeration Local Program Adjustment to 2019 savings	Verified 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%
34	First Nation Conservation Local Program Adjustment to 2019 savings	Verified 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%
35	Social Benchmarking Local Program Adjustment to 2019 savings	Verified 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%
36	<b>Pilot Programs</b> EnerSource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund Adjustment to 2019 savings	Verified 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%
37	EnWin Utilities Ltd. - Building Optimization Pilot Adjustment to 2019 savings	Verified 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%
38	EnWin Utilities Ltd. - Re-Invest Pilot Adjustment to 2019 savings	Verified 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%
39	Horizon Utilities Corporation - ECM Furnace Motor Pilot Adjustment to 2019 savings	Verified 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%
40	Horizon Utilities Corporation - Social Benchmarking Pilot Adjustment to 2019 savings	Verified 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%



41	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot	Verified																	0%
	Adjustment to 2019 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%	0.00%
42	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot	Verified																	0%
	Adjustment to 2019 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%	0.00%
43	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV	Verified																	0%
	Adjustment to 2019 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%	0.00%
44	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agricultural Sector	Verified																	0%
	Adjustment to 2019 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%	0.00%
45	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic	Verified																	0%
	Adjustment to 2019 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%	0.00%
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls	Verified																	0%
	Adjustment to 2019 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%	0.00%
47	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)	Verified																	0%
	Adjustment to 2019 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%	0.00%
48	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)	Verified																	0%
	Adjustment to 2019 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%	0.00%
49	Toronto Hydro-Electric System Limited - PFP - Laroc (Pilot Savings)	Verified																	0%
	Adjustment to 2019 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%	0.00%
<b>Actual CDM Savings in 2019</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Forecast CDM Savings in 2019</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$0.00	\$0.00	\$0.00
<b>Total Lost Revenues in 2019</b>			<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Forecast Lost Revenues in 2019</b>			<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>LRAMVA in 2019</b>			<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
2019 Savings Persisting in 2020			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: LDC to make note of key assumptions included above

Table 5-f. 2020 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Rate Allocations for LRAMVA														Total		
				2020	2020	Residential	GS<50 kW	GS>50 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting								
Legacy Framework				kWh	kWh	kW	kW	kWh	kW	kW	0	0	0	0	0	0	0	0	0	
Actual CDM Savings in 2020				0	0	0	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	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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$0.00	\$0.00	\$0.00
<b>Total Lost Revenues in 2020</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Forecast Lost Revenues in 2020</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>LRAMVA in 2020</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Note: LDC to make note of key assumptions included above

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# LRAMVA Work Form: Carrying Charges by Rate Class

Legend	User Inputs (Green)
	Auto Populated Cells (White)
	Instructions (Grey)

- Instructions**
1. Please update Table 6 as new approved prescribed interest rates for deferral and variance accounts become available. Monthly interest rates are used to calculate the variance on the carrying charges for LRAMVA. Starting from column I, the principal will auto-populate as monthly variances in Table 6-a, and are multiplied by the interest rate from column H to determine the monthly variances on carrying charges for each rate class by year.
  2. The annual carrying charges totals in Table 6-a below pertain to the amount that was originally collected in interest from forecasted CDM savings and what should have been collected based on actual CDM savings. As the amounts calculated in Table 6-a are cumulative, LDCs are requested to enter any collected interest amounts into the "Amounts Cleared" row in order to clear the balance and calculate outstanding variances on carrying charges.
  3. Please calculate the projected interest amounts in the LRAMVA work form. Project carrying charges amounts included in Table 6-a should be consistent with the projected interest amounts included in the DVA Continuity Schedule. **If there are additional adjustments required to the formulas to calculate the projected interest amounts, please adjust the formulas in Table 6-a accordingly.**

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	2.17%
2019 Q1	2.45%
2019 Q2	2.18%
2019 Q3	2.18%
2019 Q4	2.18%
2020 Q1	2.18%
2020 Q2	2.18%
2020 Q3	0.57%
2020 Q4	0.57%
2021 Q1	
2021 Q2	
2021 Q3	
2021 Q4	
2022 Q1	
2022 Q2	
2022 Q3	
2022 Q4	
2023 Q1	
2023 Q2	
2023 Q3	
2023 Q4	
2024 Q1	
2024 Q2	
2024 Q3	
2024 Q4	
2025 Q1	
2025 Q2	
2025 Q3	
2025 Q4	

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

[Go to Tab 1: Summary](#)

Month	Period	Quarter	Monthly Rate	Residential	GS<50 KW	GS>50 KW	Large Use	Unmetered Scattered Load	Sentinel Lighting	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
Feb-11	2011	Q1	0.12%	\$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
Apr-11	2011	Q2	0.12%	\$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
Jun-11	2011	Q2	0.12%	\$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
Aug-11	2011	Q3	0.12%	\$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
Oct-11	2011	Q4	0.12%	\$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
Dec-11	2011	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total for 2011</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>											
<b>Opening Balance for 2012</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-12	2011-2012	Q1	0.12%	\$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
Mar-12	2011-2012	Q1	0.12%	\$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
May-12	2011-2012	Q2	0.12%	\$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
Jul-12	2011-2012	Q3	0.12%	\$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
Sep-12	2011-2012	Q3	0.12%	\$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
Nov-12	2011-2012	Q4	0.12%	\$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
<b>Total for 2012</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>											
<b>Opening Balance for 2013</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-13	2011-2013	Q1	0.12%	\$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
Mar-13	2011-2013	Q1	0.12%	\$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
May-13	2011-2013	Q2	0.12%	\$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
Jul-13	2011-2013	Q3	0.12%	\$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
Sep-13	2011-2013	Q3	0.12%	\$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
Nov-13	2011-2013	Q4	0.12%	\$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
<b>Total for 2013</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>											
<b>Opening Balance for 2014</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-14	2011-2014	Q1	0.12%	\$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
Mar-14	2011-2014	Q1	0.12%	\$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
May-14	2011-2014	Q2	0.12%	\$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
Jul-14	2011-2014	Q3	0.12%	\$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
Sep-14	2011-2014	Q3	0.12%	\$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
Nov-14	2011-2014	Q4	0.12%	\$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
<b>Total for 2014</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>											
<b>Opening Balance for 2015</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-15	2011-2015	Q1	0.12%	\$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
Mar-15	2011-2015	Q1	0.12%	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$0.00	
<b>Total for 2015</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
Amount Cleared																				
Opening Balance for 2016					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
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	\$0.00	
Feb-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	\$0.00	
Mar-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	\$0.00	
Apr-16	2011-2016	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	\$0.00	
May-16	2011-2016	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	\$0.00	
Jun-16	2011-2016	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	\$0.00	
Jul-16	2011-2016	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	\$0.00	
Aug-16	2011-2016	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	\$0.00	
Sep-16	2011-2016	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	\$0.00	
Oct-16	2011-2016	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	\$0.00	
Nov-16	2011-2016	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	\$0.00	
Dec-16	2011-2016	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	\$0.00	
<b>Total for 2016</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
Amount Cleared																				
Opening Balance for 2017					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-17	2011-2017	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	\$0.00	
Feb-17	2011-2017	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	\$0.00	
Mar-17	2011-2017	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	\$0.00	
Apr-17	2011-2017	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	\$0.00	
May-17	2011-2017	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	\$0.00	
Jun-17	2011-2017	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	\$0.00	
Jul-17	2011-2017	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	\$0.00	
Aug-17	2011-2017	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	\$0.00	
Sep-17	2011-2017	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	\$0.00	
Oct-17	2011-2017	Q4	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$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-17	2011-2017	Q4	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$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-17	2011-2017	Q4	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Total for 2017</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
Amount Cleared																				
Opening Balance for 2018					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-18	2011-2018	Q1	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$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-18	2011-2018	Q1	0.13%	\$184.18	\$42.40	\$185.92	\$3.25	\$0.04	\$0.08	-\$5.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10.62	
Mar-18	2011-2018	Q1	0.13%	\$368.35	\$84.80	\$371.85	\$6.50	\$0.07	\$0.15	-\$10.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$821.24	
Apr-18	2011-2018	Q2	0.16%	\$696.19	\$160.28	\$702.79	\$12.29	\$0.14	\$0.29	-\$19.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,552.14	
May-18	2011-2018	Q2	0.16%	\$928.25	\$213.70	\$937.06	\$18.39	\$0.19	\$0.38	-\$26.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,069.52	
Jun-18	2011-2018	Q2	0.16%	\$1,160.31	\$267.13	\$1,171.32	\$20.48	\$0.23	\$0.48	-\$33.06	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,586.90	
Jul-18	2011-2018	Q3	0.16%	\$1,392.37	\$320.56	\$1,405.59	\$24.58	\$0.28	\$0.58	-\$39.67	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,104.29	
Aug-18	2011-2018	Q3	0.16%	\$1,624.43	\$373.98	\$1,639.85	\$29.68	\$0.33	\$0.67	-\$46.26	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,621.68	
Sep-18	2011-2018	Q3	0.16%	\$1,856.50	\$427.41	\$1,874.12	\$32.77	\$0.37	\$0.77	-\$52.89	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,139.04	
Oct-18	2011-2018	Q4	0.18%	\$2,397.97	\$552.07	\$2,420.74	\$42.33	\$0.48	\$0.99	-\$68.32	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,346.26	
Nov-18	2011-2018	Q4	0.18%	\$2,664.41	\$613.41	\$2,689.71	\$47.04	\$0.53	\$1.10	-\$75.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,940.29	
Dec-18	2011-2018	Q4	0.18%	\$2,930.86	\$674.75	\$2,958.68	\$51.74	\$0.59	\$1.21	-\$83.51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,534.32	
<b>Total for 2018</b>				<b>\$16,203.81</b>	<b>\$3,730.50</b>	<b>\$16,357.64</b>	<b>\$286.07</b>	<b>\$3.24</b>	<b>\$6.72</b>	<b>-\$461.68</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$36,126.30</b>	
Amount Cleared																				
Opening Balance for 2019					<b>\$16,203.81</b>	<b>\$3,730.50</b>	<b>\$16,357.64</b>	<b>\$286.07</b>	<b>\$3.24</b>	<b>\$6.72</b>	<b>-\$461.68</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$36,126.30</b>
Jan-19	2011-2019	Q1	0.20%	\$3,609.85	\$831.07	\$3,644.12	\$63.73	\$0.72	\$1.50	-\$102.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8,048.14	
Feb-19	2011-2019	Q1	0.20%	\$3,609.85	\$831.07	\$3,644.12	\$63.73	\$0.72	\$1.50	-\$102.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8,048.14	
Mar-19	2011-2019	Q1	0.20%	\$3,609.85	\$831.07	\$3,644.12	\$63.73	\$0.72	\$1.50	-\$102.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8,048.14	
Apr-19	2011-2019	Q2	0.18%	\$3,212.03	\$739.49	\$3,242.52	\$56.71	\$0.64	\$1.33	-\$91.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7,161.20	
May-19	2011-2019	Q2	0.18%	\$3,212.03	\$739.49	\$3,242.52	\$56.71	\$0.64	\$1.33	-\$91.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7,161.20	
Jun-19	2011-2019	Q2	0.18%	\$3,212.03	\$739.49	\$3,242.52	\$56.71	\$0.64	\$1.33	-\$91.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7,161.20	
Jul-19	2011-2019	Q3	0.18%	\$3,212.03	\$739.49	\$3,242.52	\$56.71	\$0.64	\$1.33	-\$91.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7,161.20	
Aug-19	2011-2019																			



# Supporting Documentatio LDC Persistence Savings Results f

**Legend**

User Inputs (Green)
Drop Down List (Blue)
Instructions (Grey)

**Instructions  
(Steps)**

- Columns B to H of this tab have been structured in a way to match the formatting of the persistence report provided by the IESO. Please copy and paste the program information by initiative in Columns B to H.
- Please identify the source of the report via the dropdown list in Column I.
- To facilitate the identification of adjustments that may be available in a prospective year's results report, it will be easier to sort all the savings by implementation year (Column H). This can be done by clicking on the dropdown list in Column H.
- Please identify what the savings value represents (i.e., current year savings for the year or an adjustment to a prior year) via the dropdown list in Column J. Current year savings would be identified with an 'A' and adjustments would be identified with an 'ADJ'.
- Please manually input or link the applicable savings and adjustments (Columns L to BT) for all applicable initiatives in Tabs 4 and 5 of this work form.

**NOTE: The Net Verified Peak Demand Savings table and Net Verified Energy Savings table below are in the reverse order to the accompanying tables in Tab 4 and Tab 5. The tables below mat**

**Table 7. 2011-2020 Verified Program Results and Persistence into Future Years**

Step:	#1					#3	#2	#4	#1
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	Net Verifi
									2011
	Coupon Initiative					2015	2015 Results Persistence	Current year savings	
	Bi-Annual Retailer Event Initiative					2015	2015 Results Persistence	Current year savings	
	Appliance Retirement Initiative					2015	2015 Results Persistence	Current year savings	
	HVAC Incentives Initiative					2015	2015 Results Persistence	Current year savings	
	Residential New Construction and Major Renovation Initiative					2015	2015 Results Persistence	Current year savings	
	Energy Audit Initiative					2015	2015 Results Persistence	Current year savings	
	Efficiency: Equipment Replacement Incentive Initiative					2015	2015 Results Persistence	Current year savings	
	Direct Install Lighting and Water Heating Initiative					2015	2015 Results Persistence	Current year savings	
	New Construction and Major Renovation Initiative					2015	2015 Results Persistence	Current year savings	
	Existing Building Commissioning Incentive Initiative					2015	2015 Results Persistence	Current year savings	
	Process and Systems Upgrades Initiatives - Project Incentive Initiative					2015	2015 Results Persistence	Current year savings	
	Process and Systems Upgrades Initiatives - Energy Manager Initiative					2015	2015 Results Persistence	Current year savings	
	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative					2015	2015 Results Persistence	Current year savings	
	Low Income Initiative					2015	2015 Results Persistence	Current year savings	
	Loblaws Pilot					2015	2015 Results Persistence	Current year savings	
	Social Benchmarking Pilot					2015	2015 Results Persistence	Current year savings	
	Conservation Fund Pilot - SEG					2015	2015 Results Persistence	Current year savings	
	Conservation Fund Pilot - EnerNOC					2015	2015 Results Persistence	Current year savings	
	Aboriginal Conservation Program					2015	2015 Results Persistence	Current year savings	
	Program Enabled Savings					2015	2015 Results Persistence	Current year savings	
	Save on Energy Coupon Program					2015	2015 Results Persistence	Current year savings	
	Save on Energy Heating and Cooling Program					2015	2015 Results Persistence	Current year savings	
	Save on Energy Home Assistance Program					2015	2015 Results Persistence	Current year savings	
	Save on Energy Audit Funding Program					2015	2015 Results Persistence	Current year savings	
	Save on Energy Retrofit Program					2015	2015 Results Persistence	Current year savings	
	Save on Energy Coupon Program					2015	2016 Results Persistence	Adjustment	
	Save on Energy Heating & Cooling Program					2015	2016 Results Persistence	Adjustment	
	Save on Energy New Construction Program					2015	2016 Results Persistence	Adjustment	















Nov-16	119.22	-211.75	79%	-167.82
Dec-16	119.22	-211.75	79%	-167.82
<b>Total</b>				<b>-1846.05</b>
Persistence in 2016				
Persistence in 2017				-2013.88
Persistence in 2018				-2013.88
Persistence in 2019				-2013.88

Mercury Vapor Street Lights (MV)	0.40		0.00
<b>Total</b>		<b>1960</b>	<b>330.97</b>

			0
			0
			0
			0
			0
			0
			0
			0
<b>Total</b>		<b>1960</b>	<b>119.22</b>

Table 8-e: Town of New Tecumseth

Summary of Project #1

Actual lost revenue based on kW billing				
Month	Billed amount (kW)	Gross kW reduction	Net to Gross Ratio	Net kW reduction
	a	b	c	b * c
Jan-17	300.46		92%	
Feb-17	118.37	-182.08	92%	-166.80
Mar-17	118.37	-182.08	92%	-166.80
Apr-17	118.37	-182.08	92%	-166.80
May-17	118.37	-182.08	92%	-166.80
Jun-17	118.37	-182.08	92%	-166.80
Jul-17	118.37	-182.08	92%	-166.80
Aug-17	118.37	-182.08	92%	-166.80
Sep-17	118.37	-182.08	92%	-166.80
Oct-17	118.37	-182.08	92%	-166.80
Nov-17	118.37	-182.08	92%	-166.80
Dec-17	118.37	-182.08	92%	-166.80
<b>Total</b>				<b>-1834.78</b>
Persistence in 2016				
Persistence in 2017				-2001.58
Persistence in 2018				-2001.58
Persistence in 2019				-2001.58

Details of Project #1 (Apr, 2017)

Pre-conversion billing demand			
Fixture type	Billing Wattage (kW)	Quantity	Billed amount (kW)
	d	e	d * e
High-Pressure Sodium Street Light	0.07		0.00
High-Pressure Sodium Street Light	0.10	594	57.02
High-Pressure Sodium Street Light	0.13	329	43.43
High-Pressure Sodium Street Light	0.19	766	142.48
High-Pressure Sodium Street Light	0.24		0.00
High-Pressure Sodium Street Light	0.30	162	48.60
High-Pressure Sodium Street Light	0.47	19	8.93
Mercury Vapor Street Lights (MV)	0.16		0.00
Mercury Vapor Street Lights (MV)	0.20		0.00
Mercury Vapor Street Lights (MV)	0.25		0.00
Mercury Vapor Street Lights (MV)	0.40		0.00
<b>Total</b>		<b>1870</b>	<b>300.46</b>

Post-conversion billing demand			
Fixture type	Billing Wattage (kW)	Quantity	Billed amount (kW)
	d <sub>1</sub>	e <sub>1</sub>	d <sub>1</sub> * e <sub>1</sub>
LED8	0.03531	878	31.00218
LED9	0.0491	527	25.8757
LED13	0.14334	372	53.32248
LED11	0.10333	45	4.64985
LED12	0.0734	48	3.5232
			0
			0
			0
			0
			0
			0
			0
			0
			0
<b>Total</b>		<b>1870</b>	<b>118.37</b>

**ATTACHMENT 38  
LRAMVA WORKFORM  
ENERSOURCE RZ**



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	\$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	\$0.00
Amount Cleared																
Carrying Charges	\$14,476.18	\$9,695.23	\$79,095.80	\$27,477.27	\$8,773.89	(\$4,572.45)	\$628.37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$135,574.30
<b>Total LRAMVA Balance</b>	<b>\$333,408</b>	<b>\$223,295</b>	<b>\$1,821,694</b>	<b>\$632,842</b>	<b>\$202,076</b>	<b>-\$105,310</b>	<b>\$14,472</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,122,478</b>

Note: LDC to make note of assumptions included above, if any



# LRAMVA Work Form: Summary of Changes

**Legend**

- User Inputs (Green)
- Drop Down List (Blue)
- Instructions (Grey)

**Table A-1. Changes to Generic Assumptions in LRAMVA Work Form**

Please document any changes in assumptions made to the generic inputs of the LRAMVA work form. This may include, but are not limited to, the use of different monthly multipliers to claim demand savings from energy efficiency programs; use of different rate allocations between current year savings and prior year savings adjustments; inclusion of additional adjustments affecting distribution rates; etc. All changes should be highlighted in the work form as well.

No.	Tab	Cell Reference	Description	Rationale
1	5. 2015-2020 LRAM	Table 5-d. 2018 Lost Revenue	Alectra relied on the Participation and Cost Report (P/C) and true up any savings	There are additional CDM savings after the Participation and Cost report was published in April 2019 re
2				
3				
4				
5				
6				
7				
8				
9				
10				
etc.				

**Table A-2. Updates to LRAMVA Disposition**

Please document any changes related to interrogatories or questions during the application process that affect the LRAMVA amount.

No.	Tab	Cell Reference	Description	Rationale
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
etc.				



### LRAMVA Work Form: Forecast Lost Revenues

Version 5.0 (2021)

**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) or custom IR (CIR) 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 24. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

Total	Residential	GS<50 kW	GS 50-499 kW	GS 500-4999 kW	Large Use	Street Lighting	Unmetered Scattered Load								
kWh								0.0	0.0	0.0	0.0	0.0	0.0	0.0	
kWh	119,148,383	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		35842920	39519293	19284	16135	15417	61001	0	0	0	0	0	0	0	0

Years Included in Threshold 0.5 \* 2011 + 1.0 \* 2012 + 0.5 \* 2013

Source of Threshold EB-2012-0033, Decision and Order, p.53

**Table 2-b. LRAMVA Threshold**

Please provide the LRAMVA threshold approved in the cost of service (COS) or custom IR (CIR) 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 24. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

Total	Residential	GS<50 kW	GS 50-499 kW	GS 500-4999 kW	Large Use	Street Lighting	Unmetered Scattered Load								
kWh								0.0	0.0	0.0	0.0	0.0	0.0	0.0	
kWh	0														
kW	0														
Summary		0	0	0	0	0	0	0	0	0	0	0	0	0	0

Years Included in Threshold

Source of Threshold 20XX Settlement Agreement, p. X

**Table 2-c. Inputs for LRAMVA Thresholds**

Please complete Table 2-c below by selecting the appropriate LRAMVA threshold year in column C. The LRAMVA threshold values in Table 2-c will auto-populate from Tables 2-a and 2-b depending on the year selected. If there was no LRAMVA threshold established for a particular year, please select the "blank" option. The LRAMVA threshold values in Table 2-c will be auto-populated in Tabs 4 and 5 of this work form.

Year	LRAMVA Threshold	Residential	GS<50 kW	GS 50-499 kW	GS 500-4999 kW	Large Use	Street Lighting	Unmetered Scattered Load								
		kWh	kWh	kW	kW	kW	kW	kWh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2011		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2013		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2014		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2015		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2016		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2017		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2018	2013	35,842,920	39,519,293	19,284	16,135	15,417	61,001	0	0	0	0	0	0	0	0	
2019		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: Determination of Rate Class Allocations

Version 5.0 (2021)

## Instructions

LDCs must clearly show how it has allocated actual CDM savings to applicable rate classes, including supporting documentation and rationale for its proposal. This should be shown by customer class and program each year.

The IESO performs evaluations for all of its programs, which includes examining gross energy savings from the programs and the net-to-gross ratio ("NTGR"). From these evaluations the IESO calculates net energy savings by initiative within a program group (residential, business, industrial and low income). Peak load savings are also calculated, and reported by initiative within a program group. For initiatives implemented under the Residential and Low Income Programs, 100% of CDM savings were attributed to the Residential Rate Class. For initiatives implemented under the Commercial and Industrial programs that apply to more than one rate class, the savings were estimated by rate class, based on participant-specific information, where available.











Ontario Energy Board

# LRAMVA Work Form: 2015 - 2020 Lost Revenues Work Form

**Legend**

- User Inputs (Green)
- Auto Populated Cells (White)
- Instructions (Grey)

**Instructions**

1. LDCs can apply for disposition of LRAMVA amounts at any time, but at a minimum, must do so as part of a cost of service (COS) application. The following LRAMVA work forms apply to LDCs that need to recover lost revenues from the 2015-2020
2. Please ensure that the IESO verified savings adjustments apply back to the program year it relates to. For example, savings adjustments
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
4. LDC are requested to input the applicable rate class allocation percentages to allocate actual savings to the rate classes. The generic template
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-

**Tables**

- [Table 5-a. 2015 Lost Revenues](#)
- [Table 5-b. 2016 Lost Revenues](#)
- [Table 5-c. 2017 Lost Revenues](#)
- [Table 5-d. 2018 Lost Revenues](#)
- [Table 5-e. 2019 Lost Revenues](#)
- [Table 5-f. 2020 Lost Revenues](#)

**Table 5-a. 2015 Lost Revenues Work Form**

Program	Results Status	Net Energy Savings (kWh)		Net Demand Savings (kW)		Rate Allocations for LRAMVA											Total
		2015	2015	Residential	GS<50 kW	GS 50-499 kW	GS 500-4999 kW	Large Use	Street Lighting	Unmetered Scattered Load							
<b>Legacy Framework</b>				kWh	kWh	kW	kW	kW	kW	kWh	0	0	0	0	0	0	0
<b>Residential Program</b>																	
1	Coupon Initiative	Verified	2,173,737	141	100.00%												100%
	Adjustment to 2015 savings	True-up	502,885	32	100.00%	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	3,679,485	248	100.00%												100%
	Adjustment to 2015 savings	True-up	38,059	2	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
3	Abolance Retirement Initiative	Verified	60,261	9	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%	
4	HVAC Incentives Initiative	Verified	2,584,003	1,355	100.00%												100%
	Adjustment to 2015 savings	True-up	110,951	57	100.00%	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%	
<b>Commercial &amp; Institutional Program</b>																	
6	Enerov Audit Initiative	Verified	3,573,385	762		16.00%	71.00%	10.00%	2.00%								99%
	Adjustment to 2015 savings	True-up	5,766,646	1,229	0.00%	16.00%	71.00%	10.00%	2.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
7	Efficiency: Equipment Replacement Incentive Initiative	Verified	45,320,196	6,865		14.00%	58.00%	32.00%	5.00%								109%
	Adjustment to 2015 savings	True-up	2,784,592	462	0.00%	14.00%	58.00%	32.00%	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
8	Direct Install Lighting and Water Heating Initiative	Verified	3,360,796	810		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%	
9	New Construction and Major Renovation Initiative	Verified	931,231	305		1.00%	5.00%	94.00%	0.00%								100%
	Adjustment to 2015 savings	True-up	573,307	200	0.00%	1.00%	5.00%	94.00%	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%	
<b>Industrial Program</b>																	
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	Verified						47.06%	52.94%								100%
	Adjustment to 2015 savings	True-up	2,462,181	272	0.00%	0.00%	0.00%	47.06%	52.94%	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%		
13	Process and Systems Upgrades Initiatives - Enerov Manager Initiative	Verified	4,040,545	1,232				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%	
	<b>Low Income Program</b>																		
14	Low Income Initiative	Verified	343,883	30				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%	
	<b>Other</b>																		
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%	
	<b>Conservation Fund Pilots</b>																		
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	183,513	14				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	6,899,972	499				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%	
	<b>Conservation First Framework</b>																		
	<b>Residential Province-Wide Programs</b>																		
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%	
	<b>Non-Residential Province-Wide Programs</b>																		
25	Save on Enerov Audit Fundina Program	Verified			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%	99%
	Adjustment to 2015 savings	True-up	77,834	17	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%	
26	Save on Energy Retrofit Program	Verified			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%	100%
	Adjustment to 2015 savings	True-up	210,218	45	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%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
	Adjustment to 2015 savings	True-up	1,731,152	341	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%	
	<b>Local &amp; Regional Programs</b>																		
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%	
	<b>Pilot Programs</b>																		
36	Energysource 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 Adjustment to 2015 savings	Verified 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%	0%	
40	Horizon Utilities Corporation - Social Benchmarking Pilot Adjustment to 2015 savings	Verified 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%	0.00%	0%
41	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot Adjustment to 2015 savings	Verified 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%	0.00%	0%
42	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot Adjustment to 2015 savings	Verified 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%	0.00%	0%
43	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV Adjustment to 2015 savings	Verified 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%	0.00%	0%
44	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agricultural Sector Adjustment to 2015 savings	Verified 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%	0.00%	0%
45	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic Adjustment to 2015 savings	Verified 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%	0.00%	0%
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls Adjustment to 2015 savings	Verified 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%	0.00%	0%
47	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings) Adjustment to 2015 savings	Verified 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%	0.00%	0%
48	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings) Adjustment to 2015 savings	Verified 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%	0.00%	0%
49	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings) Adjustment to 2015 savings	Verified 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%	0.00%	0%
<b>Actual CDM Savings in 2015</b>			87,408,832	14,927	9,493,264	11,880,403	73,677	49,807	14,252	0	0	0	0	0	0	0	0	0	0	
<b>Forecast CDM Savings in 2015</b>			0	0	0	0	0	0	0	0	0	0	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	\$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	\$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	\$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	\$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	\$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	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total Lost Revenues in 2015</b>			<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Forecast Lost Revenues in 2015</b>			<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>LRAMVA in 2015</b>																				<b>\$0.00</b>
2015 Savings Persisting in 2016			9,333,037	11,372,851	73,125	47,800	13,987	0	0	0	0	0	0	0	0	0	0	0	0	0
2015 Savings Persisting in 2017			9,323,099	10,891,329	73,071	46,607	12,649	0	0	0	0	0	0	0	0	0	0	0	0	0
2015 Savings Persisting in 2018			9,313,160	10,980,963	73,183	46,676	12,660	0	0	0	0	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	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	0	0	0	0

Note: LDC to make note of key assumptions included above

Table 5-b. 2016 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings (kWh)		Net Demand Savings (kW)		Rate Allocations for LRAMVA											Total				
		2016	2016	Residential	GS<50 kW	GS 50-499 kW	GS 500-4999 kW	Large Use	Street Lighting	Unmetered Scattered Load											
<b>Legacy Framework</b>					kWh	kWh	kW	kW	kW	kW	kWh	0	0	0	0	0	0	0	0	0	
<b>Residential Program</b>																					
1	Coupon Initiative Adjustment to 2016 savings	Verified 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%	0.00%	0.00%	0%
2	Bi-Annual Retailer Event Initiative Adjustment to 2016 savings	Verified 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%	0.00%	0.00%	0%
3	Appliance Retirement Initiative Adjustment to 2016 savings	Verified 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%	0.00%	0.00%	0%
4	HVAC Incentives Initiative Adjustment to 2016 savings	Verified 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%	0.00%	0.00%	0%
5	Residential New Construction and Major Renovation Initiative Adjustment to 2016 savings	Verified 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%	0.00%	0.00%	0%
<b>Commercial &amp; Institutional Program</b>																					
6	Energy Audit Initiative Adjustment to 2016 savings	Verified 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%	0.00%	0.00%	0%
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%	
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%
<b>Industrial Program</b>																		
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%
<b>Low Income Program</b>																		
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%
<b>Other</b>																		
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%
<b>Conservation Fund Pilots</b>																		
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	Verified	2,993		100.00%													100%
	Conservation	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%
<b>Conservation First Framework</b>																		
<b>Residential Province-Wide Programs</b>																		
21	Save on Energy Coupon Program	Verified	19,370,627	1,258	100.00%													100%
	Adjustment to 2016 savings	True-up	2,198,074	140	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	4,246,239	1,255	100.00%													100%
	Adjustment to 2016 savings	True-up	67,959	20	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	181,241	26	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%
<b>Non-Residential Province-Wide Programs</b>																		
25	Save on Energy Audit Funding Program	Verified	210,282	27		16.33%	71.43%	10.20%	2.04%									100%
	Adjustment to 2016 savings	True-up	275,995	36	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	3,976,883	533		8.57%	38.89%	50.46%	2.08%									100%
	Adjustment to 2016 savings	True-up	1,495,338	258	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	27,704,772	4,244		8.56%	38.82%	50.54%	2.08%									100%
	Adjustment to 2016 savings	True-up	18,258,597	2,874	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%
28	Save on Energy Retrofit Program Streetlight Project - P4P	Verified	13,378,448	2,867						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%
29	Save on Energy High Performance New Construction Program	Verified	82,648	15		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%
30	Save on Energy Process & Systems Upgrades Program - P4P	Verified	10,957,531	1,596				47.06%	52.94%									100%
	Adjustment to 2016 savings	True-up	13,179,466	1,888	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	388,603	53				57.01%	42.99%									100%
	Adjustment to 2016 savings	True-up	1,041,428	32	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%
<b>Local &amp; Regional Programs</b>																		





29	Save on Energy High Performance New Construction Program Adjustment to 2017 savings	Verified True-up	312,866 107,520	38 16	1.00	0.00%	21.62%	75.22%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
30	Save on Energy Process & Systems Upgrades Program Adjustment to 2017 savings	Verified 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%	
31	Save on Energy Business Refrigeration Program Adjustment to 2017 savings	Verified True-up	347,669	52	0.66 0.32 0.02	0.00%	66.33%	31.92%	1.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
32	Save on Energy Energy Manager Program Adjustment to 2017 savings	Verified True-up	1,781,169	326	0.16 0.60 0.24	0.00%	0.00%	16.47%	59.96%	23.58%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
<b>Local &amp; Regional Programs</b>																			
33	Business Refrigeration Local Program Adjustment to 2017 savings	Verified True-up	1,574,624	132	0.83 0.16 0.00	0.00%	83.50%	16.39%	0.11%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
34	Smart Thermostat Program Adjustment to 2017 savings	Verified 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%	
35	Social Benchmarking Local Program Adjustment to 2017 savings	Verified 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%	
<b>Pilot Programs</b>																			
36	Enersource Hydro Mississauga Inc. - Whole Home Pilot Program Adjustment to 2017 savings	Verified True-up	787,353	60	1.00	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
37	EnWin Utilities Ltd. - Building Optimization Pilot Adjustment to 2017 savings	Verified 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%	
38	EnWin Utilities Ltd. - Re-Invest Pilot Adjustment to 2017 savings	Verified 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%	
39	Horizon Utilities Corporation - ECM Furnace Motor Pilot Adjustment to 2017 savings	Verified 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%	
40	Horizon Utilities Corporation - Social Benchmarking Pilot Adjustment to 2017 savings	Verified 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%	
41	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot Adjustment to 2017 savings	Verified 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%	
42	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot Adjustment to 2017 savings	Verified 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%	
43	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV Adjustment to 2017 savings	Verified 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%	
44	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agricultural Sector Adjustment to 2017 savings	Verified 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%	
45	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic Adjustment to 2017 savings	Verified 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%	
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls Adjustment to 2017 savings	Verified 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%	
47	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings) Adjustment to 2017 savings	Verified 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%	
48	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings) Adjustment to 2017 savings	Verified 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%	
49	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings) Adjustment to 2017 savings	Verified 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%	
<b>Actual CDM Savings in 2017</b>			<b>111,491,481</b>	<b>13,929</b>	<b>47,667,129</b>	<b>9,136,341</b>	<b>67,941</b>	<b>24,189</b>	<b>5,660</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Forecast CDM Savings in 2017</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Distribution Rate in 2017</b>						<b>\$0.00000</b>	<b>\$0.00000</b>	<b>\$0.00000</b>	<b>\$0.00000</b>	<b>\$0.00000</b>	<b>\$0.00000</b>	<b>\$0.00000</b>	<b>\$0.00000</b>	<b>\$0.00000</b>	<b>\$0.00000</b>	<b>\$0.00000</b>	<b>\$0.00000</b>	<b>\$0.00000</b>	
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	
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
<b>Total Lost Revenues in 2017</b>						<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Forecast Lost Revenues in 2017</b>						<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>LRAMVA in 2017</b>						<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

2017 Savings Persisting in 2018	39,398,074	9,139,893	67,856	23,870	5,534	0	0	0	0	0	0	0	0	0	0	0
2017 Savings Persisting in 2019	39,398,074	9,062,379	67,708	23,373	5,339	0	0	0	0	0	0	0	0	0	0	0
2017 Savings Persisting in 2020	39,398,074	8,901,859	67,490	22,763	5,099	0	0	0	0	0	0	0	0	0	0	0

Note: LDC to make note of key assumptions included above

Table 5-d. 2018 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings (kWh)		Net Demand Savings (kW)		Rate Allocations for LRAMVA											Total
		2018	2018	Residential	GS<50 kW	GS 50-499 kW	GS 500-4999 kW	Large Use	Street Lighting	Unmetered Scattered Load							
<b>Legacy Framework</b>				kWh	kWh	kW	kW	kW	kW	kWh	0	0	0	0	0	0	0
<b>Residential Program</b>																	
1	Coupon Initiative	Verified															0%
	Adjustment to 2018 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%
2	Bi-Annual Retailer Event Initiative	Verified															0%
	Adjustment to 2018 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%
3	Appliance Retirement Initiative	Verified															0%
	Adjustment to 2018 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%
4	HVAC Incentives Initiative	Verified															0%
	Adjustment to 2018 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%
5	Residential New Construction and Major	Verified															0%
	Adjustment to 2018 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%
<b>Commercial &amp; Institutional Program</b>																	
6	Energy Audit Initiative	Verified															0%
	Adjustment to 2018 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%
7	Efficiency: Equipment Replacement Incentive Initiative	Verified															0%
	Adjustment to 2018 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%
8	Direct Install Lighting and Water Heating Initiative	Verified															0%
	Adjustment to 2018 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%
9	New Construction and Major Renovation Initiative	Verified															0%
	Adjustment to 2018 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%
10	Business Refrigeration Program	Verified															0%
	Adjustment to 2018 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%
<b>Industrial Program</b>																	
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	Verified															0%
	Adjustment to 2018 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%
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Verified															0%
	Adjustment to 2018 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%
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative	Verified															0%
	Adjustment to 2018 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%
<b>Low Income Program</b>																	
14	Low Income Initiative	Verified															0%
	Adjustment to 2018 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%
<b>Other</b>																	
15	Aboriginal Conservation Program	Verified															0%
	Adjustment to 2018 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%
16	Program Enabled Savings	Verified															0%
	Adjustment to 2018 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%
<b>Conservation Fund Pilots</b>																	
17	Conservation Fund Pilot - EnerNOC	Verified															0%
	Adjustment to 2018 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%
18	Loblaws Pilot	Verified															0%
	Adjustment to 2018 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%
19	Conservation Fund Pilot - SEG	Verified															0%
	Adjustment to 2018 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%
20	Social Benchmarking Pilot	Verified															0%
	Adjustment to 2018 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%
<b>Conservation First Framework</b>																	
<b>Residential Province-Wide Programs</b>																	
21	Instant Discount Program	P/C Report	8,811,076	758	100.00%												100%
	Adjustment to 2018 savings	Post P/C Report			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%
22	Save on Energy Heating and Cooling Program	P/C Report	1,320,767	673	100.00%												100%
	Adjustment to 2018 savings	Post P/C Report	96,460	49	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%
23	Save on Energy Coupon Program	P/C Report			100.00%												100%
	Adjustment to 2018 savings	Post P/C Report	28,053	2	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%







19	Conservation Fund Pilot - SEG Adjustment to 2019 savings	Verified 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%
20	Social Benchmarking Pilot Adjustment to 2019 savings	Verified 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%
<b>Conservation First Framework</b>																		
<b>Residential Province-Wide Programs</b>																		
21	Save on Energy Coupon Program Adjustment to 2019 savings	Verified 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%
22	Save on Energy Heating and Cooling Program Adjustment to 2019 savings	Verified 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%
23	Save on Energy New Construction Program Adjustment to 2019 savings	Verified 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%
24	Save on Energy Home Assistance Program Adjustment to 2019 savings	Verified 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%
<b>Non-Residential Province-Wide Programs</b>																		
25	Save on Energy Audit Funding Program Adjustment to 2019 savings	Verified 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%
26	Save on Energy Retrofit Program Adjustment to 2019 savings	Verified 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%
27	Save on Energy Small Business Lighting Program Adjustment to 2019 savings	Verified 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%
28	Save on Energy High Performance New Construction Program Adjustment to 2019 savings	Verified 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%
29	Save on Energy Existing Building Commissioning Program Adjustment to 2019 savings	Verified 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%
30	Save on Energy Process & Systems Upgrades Program Adjustment to 2019 savings	Verified 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%
31	Save on Energy Monitoring & Targeting Program Adjustment to 2019 savings	Verified 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%
32	Save on Energy Energy Manager Program Adjustment to 2019 savings	Verified 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%
<b>Local &amp; Regional Programs</b>																		
33	Business Refrigeration Local Program Adjustment to 2019 savings	Verified 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%
34	First Nation Conservation Local Program Adjustment to 2019 savings	Verified 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%
35	Social Benchmarking Local Program Adjustment to 2019 savings	Verified 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%
<b>Pilot Programs</b>																		
36	Energsource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund Adjustment to 2019 savings	Verified 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%
37	EnWin Utilities Ltd. - Building Optimization Pilot Adjustment to 2019 savings	Verified 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%
38	EnWin Utilities Ltd. - Re-Invest Pilot Adjustment to 2019 savings	Verified 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%
39	Horizon Utilities Corporation - ECM Furnace Motor Pilot Adjustment to 2019 savings	Verified 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%
40	Horizon Utilities Corporation - Social Benchmarking Pilot Adjustment to 2019 savings	Verified 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%
41	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot Adjustment to 2019 savings	Verified 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%
42	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot Adjustment to 2019 savings	Verified 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%
43	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV Adjustment to 2019 savings	Verified 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%

44	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agricultural Sector Adjustment to 2019 savings	Verified 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%	0%
45	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic Adjustment to 2019 savings	Verified 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%	0%
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls Adjustment to 2019 savings	Verified 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%	0%
47	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings) Adjustment to 2019 savings	Verified 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%	0%
48	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings) Adjustment to 2019 savings	Verified 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%	0%
49	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings) Adjustment to 2019 savings	Verified 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%	0%
<b>Actual CDM Savings in 2019</b>			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Forecast CDM Savings in 2019</b>			0	0	0	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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$0.00	\$0.00	\$0.00
<b>Total Lost Revenues in 2019</b>			<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Forecast Lost Revenues in 2019</b>			<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>LRAMVA in 2019</b>			<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
2019 Savings Persisting in 2020			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: LDC to make note of key assumptions included above

Table 5-f. 2020 Lost Revenues Work Form

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Program	Results Status	Net Demand Savings (KW)		Rate Allocations for LRAMVA													Total		
		Net Energy Savings (KWh)	2020	Residential	GS-50 KW	GS 50-499 kW	GS 500-4999 kW	Large Use	Street Lighting	Unmetered Scattered Load									
Legacy Framework				KWh	KWh	KW	KW	KW	KW	KW	KWh	0	0	0	0	0	0	0	0
<b>Actual CDM Savings in 2020</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Forecast CDM Savings in 2020</b>				0	0	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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$0.00	\$0.00
<b>Total Lost Revenues in 2020</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Forecast Lost Revenues in 2020</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>LRAMVA in 2020</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Note: LDC to make note of key assumptions included above

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# LRAMVA Work Form: Carrying Charges by Rate Class

Legend	User Inputs (Green)
	Auto Populated Cells (White)
	Instructions (Grey)

- Instructions**
1. Please update Table 6 as new approved prescribed interest rates for deferral and variance accounts become available. Monthly interest rates are used to calculate the variance on the carrying charges for LRAMVA. Starting from column I, the principal will auto-populate as monthly variances in Table 6-a, and are multiplied by the interest rate from column H to determine the monthly variances on carrying charges for each rate class by year.
  2. The annual carrying charges totals in Table 6-a below pertain to the amount that was originally collected in interest from forecasted CDM savings and what should have been collected based on actual CDM savings. As the amounts calculated in Table 6-a are cumulative, LDCs are requested to enter any collected interest amounts into the "Amounts Cleared" row in order to clear the balance and calculate outstanding variances on carrying charges.
  3. Please calculate the projected interest amounts in the LRAMVA work form. Project carrying charges amounts included in Table 6-a should be consistent with the projected interest amounts included in the DVA Continuity Schedule. **If there are additional adjustments required to the formulas to calculate the projected interest amounts, please adjust the formulas in Table 6-a accordingly.**

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	2.17%
2019 Q1	2.45%
2019 Q2	2.18%
2019 Q3	2.18%
2019 Q4	2.18%
2020 Q1	2.18%
2020 Q2	2.18%
2020 Q3	0.57%
2020 Q4	0.57%
2021 Q1	
2021 Q2	
2021 Q3	
2021 Q4	
2022 Q1	
2022 Q2	
2022 Q3	
2022 Q4	
2023 Q1	
2023 Q2	
2023 Q3	
2023 Q4	
2024 Q1	
2024 Q2	
2024 Q3	
2024 Q4	
2025 Q1	
2025 Q2	
2025 Q3	
2025 Q4	

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

[Go to Tab 1: Summary](#)

Month	Period	Quarter	Monthly Rate	Residential	GS<50 kW	GS 50-499 kW	GS 500-4999 kW	Large Use	Street Lighting	Unmetered Scattered Load	Total
Jan-11	2011	Q1	0.12%	\$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
Mar-11	2011	Q1	0.12%	\$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
May-11	2011	Q2	0.12%	\$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
Jul-11	2011	Q3	0.12%	\$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
Sep-11	2011	Q3	0.12%	\$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
Nov-11	2011	Q4	0.12%	\$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
<b>Total for 2011</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>											
<b>Opening Balance for 2012</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-12	2011-2012	Q1	0.12%	\$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
Mar-12	2011-2012	Q1	0.12%	\$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
May-12	2011-2012	Q2	0.12%	\$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
Jul-12	2011-2012	Q3	0.12%	\$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
Sep-12	2011-2012	Q3	0.12%	\$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
Nov-12	2011-2012	Q4	0.12%	\$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
<b>Total for 2012</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>											
<b>Opening Balance for 2013</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-13	2011-2013	Q1	0.12%	\$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
Mar-13	2011-2013	Q1	0.12%	\$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
May-13	2011-2013	Q2	0.12%	\$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
Jul-13	2011-2013	Q3	0.12%	\$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
Sep-13	2011-2013	Q3	0.12%	\$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
Nov-13	2011-2013	Q4	0.12%	\$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
<b>Total for 2013</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>											
<b>Opening Balance for 2014</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-14	2011-2014	Q1	0.12%	\$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
Mar-14	2011-2014	Q1	0.12%	\$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
May-14	2011-2014	Q2	0.12%	\$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
Jul-14	2011-2014	Q3	0.12%	\$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
Sep-14	2011-2014	Q3	0.12%	\$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
Nov-14	2011-2014	Q4	0.12%	\$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
<b>Total for 2014</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>											
<b>Opening Balance for 2015</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-15	2011-2015	Q1	0.12%	\$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
Mar-15	2011-2015	Q1	0.12%	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$0.00	
<b>Total for 2015</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
Amount Cleared																				
Opening Balance for 2016					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
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	\$0.00	
Feb-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	\$0.00	
Mar-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	\$0.00	
Apr-16	2011-2016	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	\$0.00	
May-16	2011-2016	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	\$0.00	
Jun-16	2011-2016	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	\$0.00	
Jul-16	2011-2016	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	\$0.00	
Aug-16	2011-2016	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	\$0.00	
Sep-16	2011-2016	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	\$0.00	
Oct-16	2011-2016	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	\$0.00	
Nov-16	2011-2016	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	\$0.00	
Dec-16	2011-2016	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	\$0.00	
<b>Total for 2016</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
Amount Cleared																				
Opening Balance for 2017					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-17	2011-2017	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	\$0.00	
Feb-17	2011-2017	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	\$0.00	
Mar-17	2011-2017	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	\$0.00	
Apr-17	2011-2017	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	\$0.00	
May-17	2011-2017	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	\$0.00	
Jun-17	2011-2017	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	\$0.00	
Jul-17	2011-2017	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	\$0.00	
Aug-17	2011-2017	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	\$0.00	
Sep-17	2011-2017	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	\$0.00	
Oct-17	2011-2017	Q4	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$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-17	2011-2017	Q4	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$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-17	2011-2017	Q4	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Total for 2017</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
Amount Cleared																				
Opening Balance for 2018					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Jan-18	2011-2018	Q1	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$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-18	2011-2018	Q1	0.13%	\$33.22	\$22.25	\$181.52	\$63.06	\$20.14	-\$10.49	\$1.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$311.14	
Mar-18	2011-2018	Q1	0.13%	\$66.44	\$44.50	\$363.04	\$126.12	\$40.27	-\$20.99	\$2.88	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$622.27	
Apr-18	2011-2018	Q2	0.16%	\$125.58	\$84.11	\$686.15	\$238.36	\$76.11	-\$39.67	\$5.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,176.09	
May-18	2011-2018	Q2	0.16%	\$167.44	\$112.14	\$914.86	\$317.82	\$101.48	-\$52.89	\$7.27	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,568.12	
Jun-18	2011-2018	Q2	0.16%	\$209.30	\$140.18	\$1,143.58	\$397.27	\$126.85	-\$66.11	\$9.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,960.16	
Jul-18	2011-2018	Q3	0.16%	\$251.16	\$168.21	\$1,372.30	\$476.73	\$152.23	-\$79.33	\$10.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,352.19	
Aug-18	2011-2018	Q3	0.16%	\$293.02	\$198.25	\$1,601.01	\$556.18	\$177.60	-\$92.55	\$12.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,744.22	
Sep-18	2011-2018	Q3	0.16%	\$334.88	\$224.28	\$1,829.73	\$636.63	\$202.97	-\$105.77	\$14.54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,136.25	
Oct-18	2011-2018	Q4	0.18%	\$432.55	\$289.70	\$2,363.40	\$821.03	\$262.17	-\$136.63	\$18.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,050.99	
Nov-18	2011-2018	Q4	0.18%	\$480.61	\$321.88	\$2,626.00	\$912.25	\$291.30	-\$151.81	\$20.86	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,501.10	
Dec-18	2011-2018	Q4	0.18%	\$528.67	\$354.07	\$2,888.60	\$1,003.48	\$320.42	-\$166.99	\$22.95	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,951.21	
<b>Total for 2018</b>				<b>\$2,922.88</b>	<b>\$1,957.56</b>	<b>\$15,970.19</b>	<b>\$5,547.92</b>	<b>\$1,771.53</b>	<b>-\$923.22</b>	<b>\$126.87</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$27,373.72</b>	
Amount Cleared																				
Opening Balance for 2019					<b>\$2,922.88</b>	<b>\$1,957.56</b>	<b>\$15,970.19</b>	<b>\$5,547.92</b>	<b>\$1,771.53</b>	<b>-\$923.22</b>	<b>\$126.87</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$27,373.72</b>
Jan-19	2011-2019	Q1	0.20%	\$651.15	\$436.10	\$3,557.80	\$1,235.95	\$394.66	-\$205.67	\$28.26	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,098.26	
Feb-19	2011-2019	Q1	0.20%	\$651.15	\$436.10	\$3,557.80	\$1,235.95	\$394.66	-\$205.67	\$28.26	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,098.26	
Mar-19	2011-2019	Q1	0.20%	\$651.15	\$436.10	\$3,557.80	\$1,235.95	\$394.66	-\$205.67	\$28.26	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,098.26	
Apr-19	2011-2019	Q2	0.18%	\$579.39	\$388.04	\$3,165.72	\$1,099.75	\$351.17	-\$183.01	\$25.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,426.21	
May-19	2011-2019	Q2	0.18%	\$579.39	\$388.04	\$3,165.72	\$1,099.75	\$351.17	-\$183.01	\$25.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,426.21	
Jun-19	2011-2019	Q2	0.18%	\$579.39	\$388.04	\$3,165.72	\$1,099.75	\$351.17	-\$183.01	\$25.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,426.21	
Jul-19	2011-2019	Q3	0.18%	\$579.39	\$388.04	\$3,165.72	\$1,099.75	\$351.17	-\$183.01	\$25.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.					



# Supporting Documentatio LDC Persistence Savings Results f

**Legend**

User Inputs (Green)
Drop Down List (Blue)
Instructions (Grey)

**Instructions (Steps)**

1. Columns B to H of this tab have been structured in a way to match the formatting of the persistence report provided by the IESO. Please copy and paste the program information by initiative in Columns B to H.
2. Please identify the source of the report via the dropdown list in Column I.
3. To facilitate the identification of adjustments that may be available in a prospective year's results report, it will be easier to sort all the savings by implementation year (Column H). This can be done by clicking on the year in the dropdown list.
4. Please identify what the savings value represents (i.e., current year savings for the year or an adjustment to a prior year) via the dropdown list in Column J. Current year savings would be identified with an 'A'.
5. Please manually input or link the applicable savings and adjustments (Columns L to BT) for all applicable initiatives in Tabs 4 and 5 of this work form.

**NOTE: The Net Verified Peak Demand Savings table and Net Verified Energy Savings table below are in the reverse order to the accompanying tables in Tab 4 and Tab 5. The tables below mat**

**Table 7. 2011-2020 Verified Program Results and Persistence into Future Years**

Step:	#1					#3	#2	#4	#1
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	Net Verifi
									2011
Tier 1	Consumer	Appliance Exchange	Enersource Hydro Mississauga Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	10
Tier 1	Consumer	Appliance Retirement	Enersource Hydro Mississauga Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	110
Tier 1	Consumer	Bi-Annual Retailer Event	Enersource Hydro Mississauga Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	66
Tier 1	Consumer	Conservation Instant Coupon Booklet	Enersource Hydro Mississauga Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	47
Tier 1	Consumer	HVAC Incentives	Enersource Hydro Mississauga Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	1,995
Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residential	DR	2011	2011 Results Persistence	Current year savings	298
Tier 1	Consumer	Retailer Co-op	Enersource Hydro Mississauga Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	0
Tier 1	Business	Demand Response 3 (part of the Industrial pro	Enersource Hydro Mississauga Inc.	Commercial & Institutional	DR	2011	2011 Results Persistence	Current year savings	1,800
Tier 1	Business	Direct Install Lighting	Enersource Hydro Mississauga Inc.	Commercial & Institutional	EE	2011	2011 Results Persistence	Current year savings	3,359
Tier 1	Business	Retrofit	Enersource Hydro Mississauga Inc.	Commercial & Institutional	EE	2011	2011 Results Persistence	Current year savings	2,236
Tier 1	Industrial	Demand Response 3	Enersource Hydro Mississauga Inc.	Industrial	DR	2011	2011 Results Persistence	Current year savings	3,236
Tier 1	Industrial	Retrofit	Enersource Hydro Mississauga Inc.	Industrial	EE	2011	2011 Results Persistence	Current year savings	422
Tier 1	Pre-2011 Prog	Electricity Retrofit Incentive Program	Enersource Hydro Mississauga Inc.	Commercial & Institutional	EE	2011	2011 Results Persistence	Current year savings	2,148
Tier 1	Pre-2011 Prog	High Performance New Construction	Enersource Hydro Mississauga Inc.	Commercial & Institutional	EE	2011	2011 Results Persistence	Current year savings	161
Tier 1	Pre-2011 Prog	Multifamily Energy Efficiency Rebates	Enersource Hydro Mississauga Inc.	Commercial & Institutional	EE	2011	2011 Results Persistence	Current year savings	0
Tier 1	Business	Direct Install Lighting	Enersource Hydro Mississauga Inc.	C&I	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Business	Retrofit	Enersource Hydro Mississauga Inc.	C&I	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Business	Energy Audit	Enersource Hydro Mississauga Inc.	C&I	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Business	High Performance New Construction	Enersource Hydro Mississauga Inc.	C&I	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Consumer	Appliance Exchange	Enersource Hydro Mississauga Inc.	Residential	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Consumer	Appliance Retirement	Enersource Hydro Mississauga Inc.	Residential	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Consumer	Bi-Annual Retailer Event	Enersource Hydro Mississauga Inc.	Residential	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Consumer	Conservation Instant Coupon Booklet	Enersource Hydro Mississauga Inc.	Residential	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Consumer	HVAC Incentives	Enersource Hydro Mississauga Inc.	Residential	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Consumer	Residential Demand Response	Enersource Hydro Mississauga Inc.	Residential	DR	2012	2012 Results Persistence	Current year savings	0
Tier 1	Home Assista	Home Assistance Program	Enersource Hydro Mississauga Inc.	Residential	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Industrial	Demand Response 3	Enersource Hydro Mississauga Inc.	Industrial	DR	2012	2012 Results Persistence	Current year savings	0
Tier 1	Pre-2011 Prog	High Performance New Construction	Enersource Hydro Mississauga Inc.	C&I	EE	2012	2012 Results Persistence	Current year savings	0



#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
2038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11,343	11,343	11,343	5,414	-	-	-	-	-	-	-	-	-	-	-	-	-
	812,064	812,064	812,064	811,350	618,340	-	-	-	-	-	-	-	-	-	-	-	-
	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	-
	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	-
	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
	773	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	87	87	87	87	87	87	49	49	49	12	-	-	-	-	-	-	-
	70,271	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	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	-	-
	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	-	-
	189,961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	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	-	-
	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	12,349,671	-	-	-
	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
	314	314	314	314	314	314	314	314	314	314	314	314	314	314	-	-	-
	0	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	726,395	726,395	16,391	16,391	16,391	0
	0	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	12,836,678	12,737,200	3,822,451	3,263,749	3,263,749	428,146
	0	931,521	931,521	931,521	931,521	0	0	0	0	0	0	0	0	0	0	0	0
	0	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001	247,001
	0	30,332	30,332	30,332	29,954	0	0	0	0	0	0	0	0	0	0	0	0
	0	430,436	430,436	430,436	429,719	276,505	0	0	0	0	0	0	0	0	0	0	0
	0	1,051,579	1,051,579	1,051,579	1,051,579	945,302	768,666	524,309	523,219	523,219	265,755	197,225	191,096	191,096	177,754	177,754	175,323
	0	54,900	54,900	54,900	54,900	54,075	54,075	25,464	25,323	25,323	25,323	4,113	3,312	3,312	2,846	2,846	2,741
	0	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	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291	2,016,291
	0	10,075	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	261,837	261,837	261,837	236,273	235,659	235,659	228,576	227,170	109,776	109,119	104,420	104,420	99,283	99,283	64,858	64,022
	0	88,449	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	418,130	418,130	418,130	418,130	418,130	418,130	418,130	418,130	418,130	418,130	418,130	418,130	418,130	0	0	0









**ATTACHMENT 39  
LRAMVA WORKFORM  
GUELPH RZ**



### LRAMVA Work Form: Summary Tab

Version 3.0 (2021)

**Legend**

- User Inputs (Green)
- Auto Populated Cells (White)
- Instructions (Grey)

**LDC Name** Guelph Hydro Electric Systems Inc.

**Application Details**

Please fill in the requested information: a) the amounts approved in the previous LRAMVA application, b) details on the current application, and c) documentation of changes if applicable.

**A. Previous LRAMVA Application**

Previous LRAMVA Application (EB#)	EB-2018-0036
Application of Previous LRAMVA Claim	2019 IRM Application
Period of LRAMVA Claimed in Previous Application	2017
Amount of LRAMVA Claimed in Previous Application	\$ 620,646.10

**B. Current LRAMVA Application**

Current LRAMVA Application (EB#)	EB-2020-0002
Application of Current LRAMVA Claim	2021 IRM Application
Period of New LRAMVA in this Application	2018
Period of Rate Recovery (# years)	1

**C. Documentation of Changes**

Original Amount	
Amount for Final Disposition	

Actual Lost Revenues (\$)	A	\$	825,866
Forecast Lost Revenues (\$)	B	\$	202,141
Carrying Charges (\$)	C	\$	28,311
LRAMVA (\$) for Account 1568	A+B+C	\$	652,035

**Table 1-a. LRAMVA Totals by Rate Class**

Please input the customer rate classes applicable to the LDC and associated billing units (KWh or kW) in Table 1-a below. This will update all tables throughout the workform.

The LRAMVA total by rate class in Table 1-a should be used to inform the determination of rate riders in the Deferral and Variance Account Work Form or IRM Rate Generator Model. Please also ensure that the principal amounts in column E of Table 1-a capture the appropriate years and amounts for the LRAMVA claim. Column F of Table 1-a should include projected carrying charges amounts as determined on a rate class basis from Table 1-b below.

**NOTE: If the LDC has more than 14 customer classes in which CDM savings was allocated, LDCs must contact OEB staff to make adjustments to the workform.**

Customer Class	Billing Unit	Principal (\$)	Carrying Charges (\$)	Total LRAMVA (\$)
Residential	KWh	\$75,197	\$3,413	\$78,610
GS<50 kW	KWh	\$60,127	\$2,729	\$62,856
General Service 50 to 999 kW	kW	\$100,962	\$4,583	\$105,544
General Service 1,000 to 4,999 kW	kW	\$109,239	\$4,958	\$114,197
Large Use	kW	\$209,543	\$13,587	\$312,930
Unmetered Scattered Load	KWh	\$0	\$0	\$0
Sentinel Lighting	kW	\$0	\$0	\$0
Street Lighting	kW	-\$21,143	-\$990	-\$22,102
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
<b>Total</b>		<b>\$623,725</b>	<b>\$28,311</b>	<b>\$652,035</b>

**Table 1-b. Annual LRAMVA Breakdown by Year and Rate Class**

In column C of Table 1-b below, please insert a 'check mark' to indicate the years in which LRAMVA has been claimed. If you inserted a check-mark for a particular year, please delete the amounts associated with the actual and forecast lost revenues for all rate classes for that year, up to and including the total. Any LRAMVA from a prior year that has already been claimed cannot be included in the current LRAMVA disposition, with the exception of the case noted below.

If LDCs are seeking to claim true-up amounts that were previously approved by the OEB, please note that the "Amount Cleared" rows are applicable to the LDC and should be filled out. This may relate to claiming the difference in LRAM approved before the May 19, 2016 Peak Demand Consultation, and the lost revenues that would have been incurred after that consultation, as approved by the OEB. If this is the case, reference to the decision must be noted in the rate application. If this is not the case, LDCs are requested to leave those rows blank.

LDCs are expected to include projected carrying charges amounts in row 94 of Table 1-b below. LDCs should also check accuracy of the years included in the LRAMVA balance in row 85.

Description	LRAMVA Previously Claimed	Residential	GS<50 kW	General Service 50 to 999 kW	General Service 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting							Total	
		kWh	kWh	kW	kW	kW	kWh	kW	kW	0	0	0	0	0			
2011 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$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	\$0.00
Amount Cleared																	
2012 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$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	\$0.00
Amount Cleared																	
2013 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$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	\$0.00
Amount Cleared																	
2014 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$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	\$0.00
Amount Cleared																	
2015 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$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	\$0.00
Amount Cleared																	
2016 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2016 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared																	
2017 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$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	\$0.00
Amount Cleared																	
2018 Actuals	<input checked="" type="checkbox"/>	\$96,589.12	\$75,998.43	\$125,491.19	\$113,983.62	\$410,842.01	\$0.00	\$0.00	\$2,961.96	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$825,866.33
2018 Forecast		(\$21,392.25)	(\$15,871.87)	(\$34,529.35)	(\$4,744.58)	(\$111,498.87)	\$0.00	\$0.00	(\$24,104.78)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	(\$302,141.49)
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	\$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	\$0.00
Amount Cleared																	
Carrying Charges		\$3,413.15	\$2,729.13	\$4,582.62	\$4,958.31	\$13,587.06	\$0.00	\$0.00	(\$559.66)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28,310.61
<b>Total LRAMVA Balance</b>		<b>\$78,610</b>	<b>\$62,856</b>	<b>\$105,544</b>	<b>\$114,197</b>	<b>\$312,930</b>	<b>\$0</b>	<b>\$0</b>	<b>-\$22,102</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$652,035</b>

Note: LDC to make note of assumptions included above, if any



# LRAMVA Work Form: Summary of Changes

**Legend**

- User Inputs (Green)
- Drop Down List (Blue)
- Instructions (Grey)

**Table A-1. Changes to Generic Assumptions in LRAMVA Work Form**

Please document any changes in assumptions made to the generic inputs of the LRAMVA work form. This may include, but are not limited to, the use of different monthly multipliers to claim demand savings from energy efficiency programs; use of different rate allocations between current year savings and prior year savings adjustments; inclusion of additional adjustments affecting distribution rates; etc. All changes should be highlighted in the work form as well.

No.	Tab	Cell Reference	Description	Rationale
1	5. 2015-2020 LRAM	Table 5-d. 2018 Lost Revenue	Alectra relied on the Participation and Cost Report (P/C) and true up any savings	There are additional CDM savings after the Participation and Cost report was published in April 2019 re
2				
3				
4				
5				
6				
7				
8				
9				
10				
etc.				

**Table A-2. Updates to LRAMVA Disposition**

Please document any changes related to interrogatories or questions during the application process that affect the LRAMVA amount.

No.	Tab	Cell Reference	Description	Rationale
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
etc.				



## LRAMVA Work Form: Forecast Lost Revenues

**Legend**

- User Inputs (Green)
- Drop Down List (Blue)
- Auto Populated Cells (White)
- Instructions (Grey)

**Table 2-a. LRAMVA Threshold**

2016

Please provide the LRAMVA threshold approved in the cost of service (COS) or custom IR (CIR) 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 24. 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 999 kW	General Service 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	0.0						
										kWh						kW
kWh	33,013,333	4,365,766	1,133,691	3,401,072	729,801	22,538,608	0	0	845,395							
kW	53,193			8871.376112	1545.717768	40431.83278			2343.772459							
Summary		4365765.93	1133690.83	8871.376112	1545.717768	40431.83278	0	0	2343.772459	0	0	0	0	0	0	0

Years Included in Threshold

2014-2016

Source of Threshold

2016 Settlement Agreement (EB-2015-0073), p. 47

**Table 2-b. LRAMVA Threshold**

Please provide the LRAMVA threshold approved in the cost of service (COS) or custom IR (CIR) 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 24. 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 999 kW	General Service 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	0.0						
										kWh						kW
kWh	0															
kW	0															
Summary		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Years Included in Threshold

20XX Settlement Agreement, p. X

Source of Threshold

**Table 2-c. Inputs for LRAMVA Thresholds**

Please complete Table 2-c below by selecting the appropriate LRAMVA threshold year in column C. The LRAMVA threshold values in Table 2-c will auto-populate from Tables 2-a and 2-b depending on the year selected. If there was no LRAMVA threshold established for a particular year, please select the "blank" option. The LRAMVA threshold values in Table 2-c will be auto-populated in Tabs 4 and 5 of this work form.

Year	LRAMVA Threshold	Residential	GS<50 kW	General Service 50 to 999 kW	General Service 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	0.0						
										kWh						kW
2011		0	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	0
2013		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	2016	4,365,766	1,133,691	8,871	1,546	40,432	0	0	2,344	0	0	0	0	0	0	0
2019		0	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



## LRAMVA Work Form: Distribution Rates

**Table 3. Inputs for Distribution Rates and Adjustments by Rate Class**

Please complete Table 3 with the rate class specific distribution rates that pertain to the years of the LRAMVA disposition. Any adjustments that affect distribution rates can be incorporated in the calculation by expanding the "plus" button at the left hand bar. Table 3 will convert the distribution rates to a calendar year rate (January to December) based on the number of months entered in row 16 of each rate year starting from January to the start of the LDC's rate year. Please enter 0 in row 16, if the rate year begins on January 1. If there are additional adjustments (i.e., rows) added to Table 3, please adjust the formulas in Table 3-a accordingly.

	Billing Unit	EB-2009-XXXX	EB-2010-XXXX	EB-2011-XXXX	EB-2012-XXXX	EB-2013-XXXX	EB-2014-XXXX	EB-2015-XXXX	EB-2016-XXXX	EB-2017-0044	EB-2018-XXXX	EB-2019-XXXX	EB-2020-XXXX
Rate Year		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Period 1 (# months)													
Period 2 (# months)		12	12	12	12	12	12	12	12	12	12	12	12
<b>Residential</b>										\$ 0.0049			
Rate rider for tax sharing	kWh												
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0049	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0049	\$ -	\$ -	\$ -
<b>GS&lt;50 kW</b>										\$ 0.0140			
Rate rider for tax sharing	kWh												
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0140	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0140	\$ -	\$ -	\$ -
<b>General Service 50 to 999 kW</b>										\$ 2.7650			
Rate rider for tax sharing	kW												
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.7650	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.7650	\$ -	\$ -	\$ -
<b>General Service 1,000 to 4,999 kW</b>										\$ 3.0695			
Rate rider for tax sharing	kW												
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.0695	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.0695	\$ -	\$ -	\$ -
<b>Large Use</b>										\$ 2.7577			
Rate rider for tax sharing	kW												
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.7577	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.7577	\$ -	\$ -	\$ -
<b>Unmetered Scattered Load</b>										\$ 0.0223			
Rate rider for tax sharing	kWh												
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0223	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0223	\$ -	\$ -	\$ -
<b>Sentinel Lighting</b>										\$ 8.3886			
Rate rider for tax sharing	kW												
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8.3886	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8.3886	\$ -	\$ -	\$ -
<b>Street Lighting</b>										\$ 10.2846			
Rate rider for tax sharing	kW												
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10.2846	\$ -	\$ -
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10.2846	\$ -	\$ -	\$ -







## LRAMVA Work Form: Determination of Rate Class Allocations

**Instructions**

LDCs must clearly show how it has allocated actual CDM savings to applicable rate classes, including supporting documentation and rationale for its proposal. This should be shown by customer class and program each year.

Rate class allocations for actual CDM savings are determined as follows.

Each completed non-residential CDM project is assigned its account number and billing rate class in a program specific tracking spreadsheet.

For CDM programs with small volumes (e.g. typically less than 5) of completed projects, the appropriate rate class is allocated based on a percentage share of the program savings in a given CDM program year.

For CDM programs with larger volumes of completed projects (e.g. Retrofit), the completed projects are extracted from the tracking spreadsheet for analysis in a separate worksheet. Total program energy and demand savings

A separate percent allocation is calculated for both energy and demand as some customers (e.g. GS<50) will attract an energy based distribution charge, and other customers will attract a demand based distribution charge.

The appropriate rate class energy or demand percent allocation is then applied to the total energy and demand savings in the Table 5 2015-2020 LRAM worksheet.

The 2017 rate allocation analysis worksheet is included in Tab 3a Rate Class Allocations, for reference.

[2017 Reporting ERII \(RETROFIT\) Prescriptive, Engineered & Custom Projects - CRM - Final Verified Results](#)

OPA CRM	CRM Application Number	GHESI Customer Rate Class	OEB LRAM Classification	Total Demand Savings	Total Energy Savings
3	154,469	L1	LU - C&I	6.7	26,856
12	153,832	GD	GS<1MW - C&I	0.0	7,139
16	156,121	G2	GS<5MW - IND	1.1	48,068
27	169,671	GM	GS<50	1.3	11,073
28	170,845	GM	GS<50	8.3	41,877
41	156,713	GO	GS<1MW - C&I	1.4	12,369
47	172,137	GM	GS<50	0.0	8,400
52	170,946	GM	GS<50	0.2	8,879
53	170,959	GM	GS<50	0.2	7,215
56	173,474	GM	GS<50	6.1	28,110
66	172,215	L2	LU - IND	1.5	13,070
67	172,455	L2	LU - IND	2.7	10,744
68	172,994	GM	GS<50	0.8	3,675
72	169,642	GM	GS<50	7.0	27,830
74	167,976	GD	GS<1MW - C&I	0.0	162,569
75	169,157	G2	GS<5MW - IND	0.0	81,551
76	169,839	G2	GS<5MW - IND	5.2	14,191
77	170,670	GO	GS<1MW - C&I	9.1	63,876
78	170,720	GM	GS<50	1.1	28,541
79	171,129	GM	GS<50	6.2	64,678
80	168,427	GM	GS<50	3.9	14,918
81	172,301	GM	GS<50	3.2	11,618
82	173,280	T2	GS<5MW - IND	4.0	18,376
83	173,345	GM	GS<50	0.9	3,426
84	173,583	GD	GS<1MW - C&I	0.0	12,260
85	174,602	GD	GS<1MW - C&I	39.8	165,446
86	174,700	GM	GS<50	4.9	18,338
87	174,705	GM	GS<50	0.0	4,087
91	171,481	T1	GS<5MW - IND	0.0	113,001
92	171,928	GO	GS<1MW - C&I	17.3	109,378
93	173,002	GM	GS<50	1.2	4,931
95	167,613	GD	GS<1MW - C&I	21.7	134,962
96	170,912	GO	GS<1MW - C&I	14.6	112,914
97	172,520	GD	GS<1MW - C&I	0.0	65,990
98	156,638	T4	GS<5MW - IND	0.0	700,827
101	170,573	G1	GS<1MW - C&I	0.0	74,032
102	175,510	T1	GS<5MW - IND	0.0	80,650
103	173,445	GM	GS<50	10.0	41,520
104	174,852	GD	GS<1MW - C&I	12.1	51,622

2017 OEB LRAM GROUPING	KW	KWH
GS<1MW	1,219	4,980,956
	43%	25%
GS<5MW	719	7,295,113
	26%	36%
LU	729	7,112,847
	26%	35%
GS<50	137	676,004
	5%	3%
STLT	24	114,887
	1%	1%

USE THE HIGHLIGHTED % FOR LRAM REPORTING

106	167,703	T2	GS<5MW - IND	105.3	917,517
107	155,773	T2	GS<5MW - IND	32.9	255,924
108	171,935	GM	GS<50	1.8	28,435
109	176,185	GD	GS<1MW - C&I	0.0	38,220
110	176,520	GD	GS<1MW - C&I	28.4	78,236
111	177,371	CD	GS<1MW - C&I	14.5	89,741
112	180,713	GM	GS<50	5.4	22,017
113	180,714	GM	GS<50	5.2	19,801
114	182,179	L2	LU - IND	3.3	22,688
115	182,259	L2	LU - IND	2.0	13,490
118	172,550	T4	GS<5MW - IND	16.8	119,573
119	176,411	T2	GS<5MW - IND	0.0	61,803
120	178,833	GD	GS<1MW - C&I	0.5	2,297
121	181,070	GM	GS<50	14.8	72,398
123	174,060	GD	GS<1MW - C&I	1.7	26,030
124	176,463	GM	GS<50	12.1	42,034
125	178,879	GD	GS<1MW - C&I	26.0	192,492
126	183,121	L2	LU - IND	7.0	45,377
127	183,562	CD	GS<1MW - C&I	11.5	52,831
128	153,636	GD	GS<1MW - C&I	0.0	7,548
129	159,328	L1	LU - C&I	0.0	16,449
131	164,311	L2	LU - IND	5.3	24,486
132	174,040	GD	GS<1MW - C&I	1.4	6,414
133	175,976	GD	GS<1MW - C&I	14.0	64,316
134	176,008	GM	GS<50	0.0	5,838
135	179,147	GD	GS<1MW - C&I	0.0	23,142
136	183,282	GD	GS<1MW - C&I	0.6	525
137	165,266	T8	GS<5MW - IND	126.0	1,079,815
138	165,546	T2	GS<5MW - IND	293.9	2,497,001
139	165,830	L2	LU - IND	229.4	1,949,083
140	178,411	GD	GS<1MW - C&I	4.9	14,765
141	181,296	GD	GS<1MW - C&I	30.5	147,864
142	181,653	GM	GS<50	2.0	7,326
143	181,917	ST	STLT	24.0	114,887
3	169,963	GO	GS<1MW - C&I	0.2	882
4	169,964	GO	GS<1MW - C&I	5.4	45,723
5	171,262	GM	GS<50	4.0	9,114
6	173,135	GO	GS<1MW - C&I	13.0	70,747
7	176,088	GM	GS<50	6.1	28,207
8	177,373	T2	GS<5MW - IND	0.0	17,514
9	177,992	L3	LU - IND	54.8	479,821
10	178,848	GM	GS<50	3.1	14,012
11	182,991	GM	GS<50	9.1	34,114
12	183,874	T4	GS<5MW - IND	2.6	1,905
13	186,636	T2	GS<5MW - IND	2.8	13,079
15	172,043	GD	GS<1MW - C&I	1.4	8,383
16	185,939	GM	GS<50	1.5	609
18	166,424	L2	LU - IND	259.6	2,209,045
19	176,315	GD	GS<1MW - C&I	55.1	202,215
20	179,743	GD	GS<1MW - C&I	20.8	125,918
21	182,321	GD	GS<1MW - C&I	19.3	127,625
23	185,426	GD	GS<1MW - C&I	0.5	2,150
25	162,131	GO	GS<1MW - C&I	389.6	1,032,546
28	169,179	G2	GS<5MW - IND	4.8	41,356
29	172,275	GO	GS<1MW - C&I	350.9	929,832
30	175,399	GD	GS<1MW - C&I	5.8	22,238
31	176,036	T1	GS<5MW - IND	7.5	26,443
33	177,143	GM	GS<50	0.0	7,648
34	177,586	L1	LU - C&I	35.2	344,075
35	178,450	GD	GS<1MW - C&I	4.6	13,816
36	178,780	GM	GS<50	1.8	8,130
37	178,866	GD	GS<1MW - C&I	0.6	3,710
38	180,601	GM	GS<50	11.2	31,102
43	184,063	CD	GS<1MW - C&I	0.4	25,241
47	179,238	GM	GS<50	1.8	9,281
48	179,246	GM	GS<50	1.4	6,824
49	179,480	GM	GS<50	0.0	0
50	179,909	GD	GS<1MW - C&I	12.4	56,966

51	179,910	GD	GS<1MW - C&I	0.0	9,240
52	183,039	L3	LU - IND	0.0	208,134
53	183,040	L3	LU - IND	0.0	239,914
54	183,042	L3	LU - IND	0.0	203,658
58	165,620	G1	GS<1MW - C&I	41.5	227,322
59	173,436	T1	GS<5MW - IND	17.7	125,573
60	174,046	GD	GS<1MW - C&I	4.5	24,654
61	175,665	T2	GS<5MW - IND	83.0	950,597
62	180,046	T1	GS<5MW - IND	14.9	130,349
63	180,779	GD	GS<1MW - C&I	0.0	5,460
65	159,324	L1	LU - C&I	0.0	83,078
66	159,325	L1	LU - C&I	0.0	595,231
67	159,329	L1	LU - C&I	0.0	179,186
68	172,265	L1	LU - C&I	121.8	448,461
69	173,459	GD	GS<1MW - C&I	43.2	329,308

Street Lighting Project - Demand adjusted from IESO report as per LRAM filing explanation

GHESI Rate Class Allocation Actual Amount - 2011 FINAL Results by kWh										
RATE CODE	Residential Program Total	Commercial & Institutional Program Total	Industrial Program Total	Home Assistance Program Total	Pre-2011 Programs completed in 2011 Total	Total	% by Rate Class	2011 % Non-RES by Rate Class	Residential Program Total	
Residential										
GS<50 kW										
GS 50 to 999 kW										
GS 1000 to 4999 kW										
Large Users										
Unmetered Scattered Loads										
Sentinel Lighting										
Street Lighting										
<b>Total</b>										

GHESI Rate Class Allocation Actual Amount - 2011 FINAL Results by kW										
RATE CODE	Residential Program Total	Commercial & Institutional Program Total	Industrial Program Total	Home Assistance Program Total	Pre-2011 Programs completed in 2011 Total	Total	% by Rate Class	2011 % Non-RES by Rate Class	Residential Program Total	
Residential										
GS<50 kW										
GS 50 to 999 kW										
GS 1000 to 4999 kW										
Large Users										
Unmetered Scattered Loads										
Sentinel Lighting										
Street Lighting										
<b>Total</b>										

2011 Non-RES kWh Total:

2011 Non-RES kW Total:

NOTE: FOR ACCRUAL OF PERSISTENCE, ONLY USE ENERGY PERSISTENCE FROM PREVIOUS YEARS, AS DEMAND SAVINGS ARE PERCEIVED AS ONLY NEW INCREMENTAL RESOURCES (IE. BUILDING A GENERATOR ONCE)

2011 FINAL	Gross Savings		Net Savings			Contribution to Targets		
	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Program-to-Date: Net Annual Peak Demand Savings (kW) in 2014	Program-to-Date: 2011-2014 Net Cumulative Energy Savings (kWh)		
Residential Program Total	992	2,503,429	645	1,613,390	519	6,451,825		

Commercial & Institutional Program Total	848	1,573,434		731		1,340,190	367		5,148,720
Industrial Program Total	836	4,941,627		596		3,704,027	596		14,816,107
Home Assistance Program Total	0	0		0		0	0		0
Pre-2011 Programs completed in 2011	2,787	14,917,506		1,447		7,748,556	1,447		30,994,225
<b>Total OPA Contracted Province-Wide</b>	<b>5,463</b>	<b>23,935,996</b>		<b>3,418</b>		<b>14,406,163</b>	<b>2,928</b>		<b>57,410,878</b>

**CONSOLIDATED INTO INITIATIVE From OPA CDM 2013 FINAL VERIFIED RESULTS REPORT, using Scenario 1 (DR results have a 1 year persistence)**

2012 FINAL	Gross Savings			Net Savings		Contribution to Targets			
	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)		Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Program-to-Date: Net Annual Peak Demand Savings (kW) in 2014		Program-to-Date: 2011-2014 Net Cumulative Energy Savings (kWh)	
Residential Program Total	584	1,566,827		294		876,212	813		9,080,460
Commercial & Institutional Program Total	2,705	7,560,945		2,363		6,000,060	1,623		22,970,130
Industrial Program Total	0	0		0		0	596		14,816,107
Home Assistance Program Total	0	0		0		0	0		0
Pre-2011 Programs completed in 2011	1	983		1		983	1,448		30,997,176
Other Total	2,304	1,188,362		2,304		1,188,362	2,304		3,565,086
Adjustments to Previous Year's Verified	161	1,226,038		104		883,018	102		3,524,672
<b>Total OPA Contracted Province-Wide</b>	<b>5,756</b>	<b>11,543,156</b>		<b>5,067</b>		<b>8,948,635</b>	<b>6,886</b>		<b>84,953,631</b>

2013 FINAL	Gross Savings			Net Savings		Contribution to Targets			
	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)		Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Program-to-Date: Net Annual Peak Demand Savings (kW) in 2014		Program-to-Date: 2011-2014 Net Cumulative Energy Savings (kWh)	
Residential Program Total	661	1,493,857		328		835,414	1,141		10,751,289
Commercial & Institutional Program Total	2,564	9,904,020		2,117		6,831,422	2,674		36,614,202
Industrial Program Total	3,576	81,439		3,576		81,439	596		14,897,546
Home Assistance Program Total	0	0		0		0	0		0
Pre-2011 Programs completed in 2011	0	0		0		0	1,448		30,997,176
Other Total	16	96,000		16		96,000	2,320		3,757,086
Adjustments to Previous Year's Verified	72	321,642		54		257,548	156		4,296,775
<b>Total OPA Contracted Province-Wide</b>	<b>6,889</b>	<b>11,896,958</b>		<b>6,091</b>		<b>8,101,823</b>	<b>8,334</b>		<b>101,314,073</b>

2014 FINAL	Gross Savings			Net Savings		Contribution to Targets			
	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)		Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Program-to-Date: Net Annual Peak Demand Savings (kW) in 2014		Program-to-Date: 2011-2014 Net Cumulative Energy Savings (kWh)	
Residential Program Total	1,096	2,388,659		722		2,137,653	1,863		12,888,942
Commercial & Institutional Program Total	3,035	11,431,223		2,477		7,895,666	5,151		44,509,867
Demand Response 3	1,204	0		1,204		0	1,204		42,089
Adjusted Commercial & Institutional	1,832	11,431,223		1,273		7,895,666	3,947		44,467,779
Industrial Program Total	3,686	0		3,686		0	4,282		14,897,546
Demand Response 3	3,686	0		3,686		0	3,686		81,439
Adjusted Industrial Program Total	0	0		0		0	596		14,816,107
Home Assistance Program Total	1	20,414		1		20,414	1		20,414
Pre-2011 Programs completed in 2011	0	0		0		0	1,448		30,997,176
Other Total	688	0		688		0	3,008		3,757,086
Adjustments to Previous Year's Verified	4,794	12,310,965		4,108		8,736,809	4,263		23,799,882
<b>Total OPA Contracted Province-Wide</b>	<b>13,302</b>	<b>26,151,261</b>		<b>11,683</b>		<b>18,790,542</b>	<b>20,017</b>		<b>130,870,914</b>
Non-Res Demand Response Contribut	4,890	0		4,890		0	4,890		123,527
Adjusted Total OPA Contracted Provi	8,412	26,151,261		6,793		18,790,542	15,127		130,747,386

2015 Q4 UNVERIFIED PRELIMINARY	Gross Savings			Net Savings		Contribution to Targets			
	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)		Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Program-to-Date: Net Annual Peak Demand Savings (kW) in 2014		Program-to-Date: 2015-2020 Net Incremental Energy Savings (kWh)	
Residential Program Total				348		1,182,066			
Commercial & Institutional Program Total				5,610		10,880,280			
Industrial Program Total				4,389		39,012,556			
Home Assistance Program Total				0		0			
Adjustments to Previous Year's Verified Results				0		0			
<b>Total IESO Contracted LDC CDM Programs</b>				<b>10,347</b>		<b>51,074,903</b>			

DR3 Contribution to be excluded in 2014 from LRAM calculation

DR3 Contribution to be excluded in 2014 from LRAM calculation

DR3 Contribution to be excluded in 2014 from LRAM calculation

Under CFF, Demand Response is no longer accepted as CDM

NET ENERGY SAVINGS (GWh)	ANNUAL									
	2011	2012	2013	2014	2015	2016	2017	2018	2019	
2011 VERIFIED				14.23						
% of 2011 RESULTS (energy)				98.77%						
2012 VERIFIED				8.80						
% of 2012 RESULTS (energy)				98.32%						
2013 VERIFIED				8.00						
% of 2013 RESULTS (energy)				98.75%						
2014 VERIFIED				18.79						
% of 2014 RESULTS (energy)				100.00%						

NET PEAK DEMAND SAVINGS (MW)	ANNUAL									
	2011	2012	2013	2014	2015	2016	2017	2018	2019	
2011 VERIFIED				2.93						
% of 2011 RESULTS (demand)				85.64%						
2012 VERIFIED				3.96						
% of 2012 RESULTS (demand)				78.09%						
2013 VERIFIED				1.45						
% of 2013 RESULTS (demand)				23.79%						
2014 VERIFIED				11.68						
% of 2014 RESULTS (demand)				100.00%						

PERSISTENCE - ENERGY:	2011	2012	2013	2014	2015	2016	2017	2018	2019
2011									
2012									
2013									
2014	-	-	-	1.0000	0.9896	0.9828	0.6654	0.6333	0.6306
2015	-	-	-	-	1.0000	0.9977	0.9959	0.9956	0.9928
2016	-	-	-	-	-				
2017	-	-	-	-	-				
2018	-	-	-	-	-				
2019	-	-	-	-	-				
2020	-	-	-	-	-				

PERSISTENCE - DEMAND:	2011	2012	2013	2014	2015	2016	2017	2018	2019.0000
2011									
2012									
2013									
2014	-	-	-	1.0000	0.4991	0.4980	0.4028	0.3909	0.3903
2015	-	-	-	-	1.0000	0.9994	0.9974	0.9973	0.9947
2016	-	-	-	-	-				
2017	-	-	-	-	-				
2018	-	-	-	-	-				
2019	-	-	-	-	-				
2020	-	-	-	-	-				

GHESI's 2011, 2012 and 2013 LRAM recovery was approved by the OEB, and included DR programs. The OEB's 2016 LRAM policy EB-2016-0182 required LDCs to ignore DR savings, starting with the 2014 LRAM claim for GHESI. The OEB's 2016 LRAM policy EB-2016-0182 required LDCs to ignore DR savings, starting with the 2014 LRAM claim for GHESI.

Note: loss of UofG Program Enabled Savings (load curve) after 2014









**VERIFIED Results by kWh**

2014 Incremental Total Estimated by Rate Class	Estimated % Allocation	2011 OPA programs persistence in 2014 towards 2014 Target	2012 OPA programs persistence in 2014 towards 2014 Target	2013 OPA programs persistence in 2014 towards 2014 Target	Total
2,096,462	11.2%	1,593,567	861,525	825,000	5,376,554
2,136,822	11.4%	769,424	885,890	337,313	4,129,449
2,776,129	14.8%	2,223,365	4,407,910	1,944,924	11,352,328
3,502,177	18.6%	5,922,941	147,487	1,015,960	10,588,565
8,278,952	44.1%	3,719,864	2,495,828	3,877,628	18,372,272
0	0.0%	0	0	0	0
0	0.0%	0	0	0	0
0	0.0%	0	0	0	0
18,790,542	100.0%	14,229,161	8,798,641	8,000,825	49,819,170
18,790,542	persistence:	0.9877	0.9832	0.9875	

**VERIFIED Results by kW**

2014 Incremental Total Estimated by Rate Class	Estimated % Allocation	2011 OPA programs persistence in 2014 towards 2014 Target	2012 OPA programs persistence in 2014 towards 2014 Target	2013 OPA programs persistence in 2014 towards 2014 Target	Total
1,366	20.1%	552	230	78	2,226
295	4.3%	268	231	50	845
595	8.8%	610	1,189	219	2,613
702	10.3%	831	46	105	1,685
3,834	56.4%	666	2,261	996	7,757
0	0.0%	0	0	0	0
0	0.0%	0	0	0	0
0	0.0%	0	0	0	0
6,793	100.0%	2,928	3,957	1,449	15,126
11,683	persistence:	0.8564	0.7809	0.2379	

**GHESI Rate Class Allocation Estimation by % - 2015 FINAL VERIFIED Results 2016-Jun-30 by kWh**

RESIDENTIAL Total (includes Low Income)	BUSINESS Total (includes C&I and Industrial)	LOCAL & REGIONAL Programs Total	PILOT Program Total	OTHER Total (includes Adjustments to Previous Years Final)	2015 Incremental Total Estimated by Rate Class	Estimated % Allocation	2011 OPA programs persistence in 2015 towards 2020 Target	2012 OPA programs persistence in 2015 towards 2020 Target	2013 OPA programs persistence in 2015 towards 2020 Target
2,615,165					2,615,165	4.6%	0	0	0
	100,000				100,000	0.2%	0	0	0
	2,000,000				2,000,000	3.5%	0	0	0
	7,000,000				7,000,000	12.3%	0	0	0
	45,000,000				45,000,000	79.3%	0	0	0
					0	0.0%	0	0	0
					0	0.0%	0	0	0
					0	0.0%	0	0	0
2,615,165	54,100,000	0	0	0	56,715,165	100.0%	0	0	0
						persistence:	0.0000	0.0000	0.0000

**GHESI Rate Class Allocation Estimation by % - 2015 FINAL VERIFIED Results 2016-Jun-30 by kW**

RESIDENTIAL Total (includes Low Income)	BUSINESS Total (includes C&I and Industrial)	LOCAL & REGIONAL Programs Total	PILOT Program Total	OTHER Total (includes Adjustments to Previous Years Final)	2015 Incremental Total Estimated by Rate Class	Estimated % Allocation	2011 OPA programs persistence in 2015 towards 2020 Target	2012 OPA programs persistence in 2015 towards 2020 Target	2013 OPA programs persistence in 2015 towards 2020 Target
532					532	4.4%	0	0	0
	500				500	4.2%	0	0	0
	1,000				1,000	8.3%	0	0	0
	2,000				2,000	16.6%	0	0	0
	8,000				8,000	66.5%	0	0	0
					0	0.0%	0	0	0
					0	0.0%	0	0	0
					0	0.0%	0	0	0
532	11,500	0	0	0	12,032	100.0%	0	0	0
						persistence:	0.0000	0.0000	0.0000

2014 IESO programs persistence in 2015 towards 2020 Target	Total
2,074,756	4,689,921
2,114,698	2,214,698
2,747,386	4,747,386
3,465,917	10,465,917
8,193,235	53,193,235
0	0
0	0
0	0
18,595,993	75,311,158

0.9896

2014 IESO programs persistence in 2015 towards 2020 Target	Total
0	532
0	500
0	1,000
0	2,000
0	8,000
0	0
0	0
0	0
0	12,032

0.4991

GHESI Rate Class Allocation Percent - Retrofit Program - 2016 Final Verified Results			
RATE CLASS	Description	% Allocation based on Energy	% Allocation based on Demand
Residential	RES	0.0%	0.0%
GS<50 kW	GS<50	8.1%	11.4%
GS 50 to 999 kW	GS<1MW	27.8%	31.2%
GS 1000 to 4999 kW	GS<5MW	33.8%	21.7%
Large Users	LU	30.2%	35.8%
Unmetered Scattered Loads	UMSL	0.0%	0.0%
Sentinel Lighting	SENL	0.0%	0.0%
Street Lighting	STLT	0.0%	0.0%
	Total:	100.0%	100.0%

# LRAMVA Work Form: 2011 - 2014 Lost Revenues Work Form

**Legend**

User Inputs (Green)
Auto Populated Cells (White)
Instructions (Grey)

**Instructions**

- 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.
- 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
- 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 4.
- LDC are requested to input the applicable rate class allocation percentages to allocate actual savings to the rate classes. The generic template
- 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-

- Tables**
- [Table 4-a. 2011 Lost Revenues](#)
  - [Table 4-b. 2012 Lost Revenues](#)
  - [Table 4-c. 2013 Lost Revenues](#)
  - [Table 4-d. 2014 Lost Revenues](#)

**Table 4-a. 2011 Lost Revenues Work Form**

Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Rate Allocations for LRAMVA														Total
		2011	2011	Residential	GS<50 kW	General Service 50 to 999 kW	General Service 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting							
<b>Consumer Program</b>																		
Actual CDM Savings in 2011		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Forecast CDM Savings in 2011																		
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	\$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	\$0.00	\$0.00	
LRAMVA in 2011																	\$0.00	
2011 Savings Persisting in 2012				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2013				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2014				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2015				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2016				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2017				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2018				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2019				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011 Savings Persisting in 2020				0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Note: LDC to make note of key assumptions included above

**Table 4-b. 2012 Lost Revenues Work Form**

Program	Results Status	Net Energy Savings (kWh)	Net Demand Savings (kW)	Rate Allocations for LRAMVA														Total
		2012	2012	Residential	GS<50 kW	General Service 50 to 999 kW	General Service 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting							
<b>Consumer Program</b>																		
Actual CDM Savings in 2012		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Forecast CDM Savings in 2012																		
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	\$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	\$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	\$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	\$0.00	\$0.00	
LRAMVA in 2012																	\$0.00	
2012 Savings Persisting in 2013				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2014				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2015				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2016				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2017				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2018				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2019				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012 Savings Persisting in 2020				0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Note: LDC to make note of key assumptions included above

Table 4-c. 2013 Lost Revenues Work Form

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Program	Results Status	Rate Allocations for LRAMVA																
		Net Energy Savings (kWh)	Net Demand Savings (kW)														Total	
		2013	2013	Residential	GS<50 kW	General Service 50 to 999 kW	General Service 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting							
<b>Consumer Program</b>				kWh	kWh	kW	kW	kW	kW	kWh	kW	kW	0	0	0	0	0	0
Actual CDM Savings in 2013		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Forecast CDM Savings in 2013				0	0	0	0	0	0	0	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	\$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	\$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	\$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	\$0.00	\$0.00	\$0.00
<b>Total Lost Revenues in 2013</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
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	\$0.00	\$0.00	\$0.00
LRAMVA in 2013																		\$0.00
2013 Savings Persisting in 2014				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2015				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2016				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2017				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2018				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2019				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013 Savings Persisting in 2020				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: LDC to make note of key assumptions included above

Table 4-d. 2014 Lost Revenues Work Form

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Program	Results Status	Rate Allocations for LRAMVA																
		Net Energy Savings (kWh)	Net Demand Savings (kW)														Total	
		2014	2014	Residential	GS<50 kW	General Service 50 to 999 kW	General Service 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting							
<b>Consumer Program</b>				kWh	kWh	kW	kW	kW	kW	kWh	kW	kW	0	0	0	0	0	0
Actual CDM Savings in 2014		10,053,733	7,575	2,158,067	1,887,059	3,905	5,717	2,231	0	0	0	0	0	0	0	0	0	0
Forecast CDM Savings in 2014				0	0	0	0	0	0	0	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	\$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	\$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	\$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	\$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	\$0.00	\$0.00	\$0.00
<b>Total Lost Revenues in 2014</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
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	\$0.00	\$0.00	\$0.00
LRAMVA in 2014																		\$0.00
2014 Savings Persisting in 2015				1,992,772	1,873,674	3,886	5,690	2,220	0	0	0	0	0	0	0	0	0	0
2014 Savings Persisting in 2016				1,904,751	1,858,847	3,886	5,690	2,220	0	0	0	0	0	0	0	0	0	0
2014 Savings Persisting in 2017				1,903,361	1,731,282	3,824	5,599	2,185	0	0	0	0	0	0	0	0	0	0
2014 Savings Persisting in 2018				1,841,773	1,675,301	3,631	5,317	2,075	0	0	0	0	0	0	0	0	0	0
2014 Savings Persisting in 2019				1,791,527	1,675,301	3,631	5,317	2,075	0	0	0	0	0	0	0	0	0	0
2014 Savings Persisting in 2020				1,791,527	1,656,327	3,565	5,220	2,037	0	0	0	0	0	0	0	0	0	0

Note: LDC to make note of key assumptions included above



Ontario Energy Board

# LRAMVA Work Form: 2015 - 2020 Lost Revenues Work Form

**Legend**

- User Inputs (Green)
- Auto Populated Cells (White)
- Instructions (Grey)

**Instructions**

1. LDCs can apply for disposition of LRAMVA amounts at any time, but at a minimum, must do so as part of a cost of service (COS) application. The following LRAMVA work forms apply to LDCs that need to recover lost revenues from
2. Please ensure that the IESO verified savings adjustments apply back to the program year it relates to. For example, savings adjustments
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
4. LDC are requested to input the applicable rate class allocation percentages to allocate actual savings to the rate classes. The generic
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-

**Tables**

- [Table 5-a. 2015 Lost Revenues](#)
- [Table 5-b. 2016 Lost Revenues](#)
- [Table 5-c. 2017 Lost Revenues](#)
- [Table 5-d. 2018 Lost Revenues](#)
- [Table 5-e. 2019 Lost Revenues](#)
- [Table 5-f. 2020 Lost Revenues](#)

**Table 5-a. 2015 Lost Revenues Work Form**

Program	Results Status	Net Energy Savings (kWh)		Net Demand Savings (kW)		Rate Allocations for LRAMVA											Total	
		2015	2015	Residential	GS<50 kW	General Service 50 to 999 kW	General Service 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	0	0	0	0	0		0
		kWh	kWh	kWh	kWh	kW	kW	kW	kWh	kW	kW							
<b>Legacy Framework</b>																		
<b>Residential Program</b>																		
1	Coupon Initiative	Verified	223,005	14	100.00%													100%
	Adjustment to 2015 savings	True-up	5,350	0	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	327,422	24	100.00%													100%
	Adjustment to 2015 savings	True-up	0	0	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	46,864	7	100.00%													100%
	Adjustment to 2015 savings	True-up	0	0	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 Initiative	Verified	515,733	273	100.00%													100%
	Adjustment to 2015 savings	True-up	12,605	6	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	0	100.00%													100%
	Adjustment to 2015 savings	True-up	0	0	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%
<b>Commercial &amp; Institutional Program</b>																		
6	Enerov Audit Initiative	Verified	142,541	30	0.00%	0.00%	100.00%	0.00%										100%
	Adjustment to 2015 savings	True-up	9,592	2	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%	0.00%
7	Efficiency: Equipment Replacement Incentive Initiative	Verified	14,020,784	6,992		9%	11%	10.00%		76%								106%
	Adjustment to 2015 savings	True-up	1,162,692	177	0.00%	9.00%	11.00%	10.00%	76.00%	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	102,095	23		100%	0.00%	0.00%										100%
	Adjustment to 2015 savings	True-up	-34,736	-8	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	0	0				100.00%										100%
	Adjustment to 2015 savings	True-up	92,866	21	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%	0.00%
10	Existing Building Commissioning Incentive Initiative	Verified	0	0														0%
	Adjustment to 2015 savings	True-up	0	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%
<b>Industrial Program</b>																		
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	Verified	42,147,864	4,811					100.00%									100%
	Adjustment to 2015 savings	True-up	0	0	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%	0.00%
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Verified	0	0														0%

	Adjustment to 2015 savings	True-up	0	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%		
13	Process and Systems Upgrades Initiatives - Enerov Manager Initiative	Verified	17,239	5				100.00%										100%	
	Adjustment to 2015 savings	True-up	0	0	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%	0.00%	
	<b>Low Income Program</b>																		
14	Low Income Initiative	Verified	526,869	43				100%											100%
	Adjustment to 2015 savings	True-up	0	0	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%	
	<b>Other</b>																		
15	Aboriginal Conservation Program	Verified	0	0															0%
	Adjustment to 2015 savings	True-up	0	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%	0.00%
16	Program Enabled Savings	Verified	0	0															0%
	Adjustment to 2015 savings	True-up	0	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%	0.00%
	<b>Conservation Fund Pilots</b>																		
17	Conservation Fund Pilot - EnerNOC	Verified	0	0															0%
	Adjustment to 2015 savings	True-up	0	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%	0.00%
18	Loblaws Pilot	Verified	0	0															0%
	Adjustment to 2015 savings	True-up	0	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%	0.00%
19	Conservation Fund Pilot - SEG	Verified	0	0															0%
	Adjustment to 2015 savings	True-up	0	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%	0.00%
20	Social Benchmarking Pilot	Verified	0	0															0%
	Adjustment to 2015 savings	True-up	0	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%	0.00%
	<b>Conservation First Framework</b>																		
	<b>Residential Province-Wide Programs</b>																		
21	Save on Energy Coupon Program	Verified	734,476	47				100%											100%
	Adjustment to 2015 savings	True-up	84,221	5	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	240,796	124				100%											100%
	Adjustment to 2015 savings	True-up	35,577	18	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	0				100.00%											100%
	Adjustment to 2015 savings	True-up	30,500	6	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	0	0				100.00%											100%
	Adjustment to 2015 savings	True-up	0	0	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%	
	<b>Non-Residential Province-Wide Programs</b>																		
25	Save on Enerov Audit Funding Program	Verified	0	0															0%
	Adjustment to 2015 savings	True-up	0	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%	
26	Save on Energy Retrofit Program	Verified	0	0				9%	11%	10.00%	76%								106%
	Adjustment to 2015 savings	True-up	1,787,124	398	0.00%	9.00%	11.00%	10.00%	76.00%	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	0															0%
	Adjustment to 2015 savings	True-up	0	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%	
28	Save on Energy High Performance New Construction Program	Verified	0	0				100.00%											100%
	Adjustment to 2015 savings	True-up	125,896	14	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%	0.00%	
29	Save on Energy Existing Building Commissioning Program	Verified	0	0															0%
	Adjustment to 2015 savings	True-up	0	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%	
30	Save on Energy Process & Systems Upgrades Program	Verified	0	0															0%
	Adjustment to 2015 savings	True-up	0	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%	
31	Save on Energy Monitoring & Targeting Program	Verified	0	0															0%
	Adjustment to 2015 savings	True-up	0	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%	
32	Save on Energy Energy Manager Program	Verified	0	0															0%
	Adjustment to 2015 savings	True-up	0	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%	
	<b>Local &amp; Regional Programs</b>																		
33	Business Refrigeration Local Program	Verified	0	0															0%
	Adjustment to 2015 savings	True-up	0	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%	
34	First Nation Conservation Local Program	Verified	0	0															0%
	Adjustment to 2015 savings	True-up	0	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%	
35	Social Benchmarking Local Program	Verified	0	0															0%
	Adjustment to 2015 savings	True-up	0	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%	
	<b>Pilot Programs</b>																		
36	Energysource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund	Verified	0	0															0%
	Adjustment to 2015 savings	True-up	0	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%	
37	EnWin Utilities Ltd. - Building Optimization Pilot	Verified	0	0															0%
	Adjustment to 2015 savings	True-up	0	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															0%
	Adjustment to 2015 savings	True-up	0	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 Adjustment to 2015 savings	Verified	0	0															0%		
		True-up	0	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%	0%		
40	Horizon Utilities Corporation - Social Benchmarking Pilot Adjustment to 2015 savings	Verified	0	0															0%		
		True-up	0	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%	0%		
41	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot Adjustment to 2015 savings	Verified	0	0															0%		
		True-up	0	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%	0%		
42	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot Adjustment to 2015 savings	Verified	0	0															0%		
		True-up	0	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%	0%		
43	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV Adjustment to 2015 savings	Verified	0	0															0%		
		True-up	0	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%	0%		
44	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agricultural Sector Adjustment to 2015 savings	Verified	0	0															0%		
		True-up	0	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%	0%		
45	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic Adjustment to 2015 savings	Verified	0	0															0%		
		True-up	0	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%	0%		
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls Adjustment to 2015 savings	Verified	0	0															0%		
		True-up	0	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%	0%		
47	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings) Adjustment to 2015 savings	Verified	0	0															0%		
		True-up	0	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%	0%		
48	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings) Adjustment to 2015 savings	Verified	0	0															0%		
		True-up	0	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%	0%		
49	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings) Adjustment to 2015 savings	Verified	0	0															0%		
		True-up	0	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%	0%		
<b>Actual CDM Savings in 2015</b>					62,357,375	13,032	2,783,418	1,594,713	10,852	9,080	126,743	0	0	0	0	0	0	0	0		
<b>Forecast CDM Savings in 2015</b>					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Distribution Rate in 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	\$0.0000		
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	\$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	\$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	\$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	\$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	\$0.00	\$0.00	\$0.00
<b>Total Lost Revenues in 2015</b>					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Forecast Lost Revenues in 2015 LRAMVA in 2015</b>					\$0.00	\$0.00	\$0.00	\$0.00	\$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 Savings Persisting in 2016					2,651,008	1,594,713	10,852	9,080	126,743	0	0	0	0	0	0	0	0	0	0		
2015 Savings Persisting in 2017					2,629,726	1,594,712	10,852	9,080	126,743	0	0	0	0	0	0	0	0	0	0		
2015 Savings Persisting in 2018					2,608,933	1,595,949	10,852	9,080	126,743	0	0	0	0	0	0	0	0	0			
2015 Savings Persisting in 2019					2,588,323	1,595,949	10,852	9,080	126,743	0	0	0	0	0	0	0	0	0			
2015 Savings Persisting in 2020					2,562,277	1,595,949	10,852	9,080	126,743	0	0	0	0	0	0	0	0	0			

Note: LDC to make note of key assumptions included above

Table 5-b. 2016 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings (kWh)		Net Demand Savings (kW)		Rate Allocations for LRAMVA											Total	
		2016	2016	Residential	GS<50 kW	General Service 50 to 999 kW	General Service 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting							
<b>Legacy Framework</b>																		
<b>Residential Program</b>																		
1	Coupon Initiative	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%
2	Bi-Annual Retailer Event Initiative	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%
3	Appliance Retirement Initiative	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%
4	HVAC Incentives Initiative	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%
5	Residential New Construction and Major Renovation Initiative	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%
<b>Commercial &amp; Institutional Program</b>																		
6	Energy Audit Initiative	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%
7	Efficiency: Equipment Replacement Incentive Initiative	Verified	0	0														0%



	Adjustment to 2016 savings	True-up	0	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%	
8	Direct Install Lighting and Water Heating Initiative	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%	
9	New Construction and Major Renovation Initiative	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%	
10	Existing Building Commissioning Incentive Initiative	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%	
	<b>Industrial Program</b>																	
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%	
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%	
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%	
	<b>Low Income Program</b>																	
14	Low Income Initiative	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%	
	<b>Other</b>																	
15	Aboriginal Conservation Program	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%	
16	Program Enabled Savings	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%	
	<b>Conservation Fund Pilots</b>																	
17	Conservation Fund Pilot - EnerNOC	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%	
18	Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program	Verified	708	0			100.00%											100%
	Adjustment to 2016 savings	True-up	0	0	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	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%	
20	Social Benchmarking Pilot	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%	
	<b>Conservation First Framework</b>																	
	<b>Residential Province-Wide Programs</b>																	
21	Save on Energy Coupon Program	Verified	3,738,398	243	100.00%													100%
	Adjustment to 2016 savings	True-up	409,378	26	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%	
22	Save on Energy Heating and Cooling Program	Verified	1,333,152	392	100.00%													100%
	Adjustment to 2016 savings	True-up	9,758	3	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%	
23	Save on Energy New Construction Program	Verified	0	0	100.00%													100%
	Adjustment to 2016 savings	True-up	0	0	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%	
24	Save on Energy Home Assistance Program	Verified	0	0	100.00%													100%
	Adjustment to 2016 savings	True-up	0	0	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%	
	<b>Non-Residential Province-Wide Programs</b>																	
25	Save on Energy Audit Funding Program	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%	
26	Save on Energy Retrofit Program	Verified	3,301,403	558	0.00%	8.10%	31.20%	21.70%	35.80%									97%
	Adjustment to 2016 savings	True-up	3,927,327	587	0.00%	8.10%	31.20%	21.70%	35.80%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Adjustment to 2016 savings	Unverified	7,551			8.10%	31.20%	21.70%	35.80%									
27	Save on Energy Small Business Lighting Program	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%	
28	Save on Energy High Performance New Construction Program	Verified	98,558	20			100.00%											100%
	Adjustment to 2016 savings	True-up	244,106	46	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%	
29	Save on Energy Existing Building Commissioning Program	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%	
30	Save on Energy Process & Systems Upgrades Program	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%	
31	Save on Energy Monitoring & Targeting Program	Verified	0	0														0%
	Adjustment to 2016 savings	True-up	0	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%	
32	Save on Energy Energy Manager Program	Verified	0	0			100.00%											100%
	Adjustment to 2016 savings	True-up	835	0	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%	

Local & Regional Programs																			
33	Business Refrigeration Local Program Adjustment to 2016 savings	Verified	0	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%		
		True-up	0	0															
34	First Nation Conservation Local Program Adjustment to 2016 savings	Verified	0	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%		
		True-up	0	0															
35	Social Benchmarking Local Program Adjustment to 2016 savings	Verified	0	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%		
		True-up	0	0															
Pilot Programs																			
36	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund Adjustment to 2016 savings	Verified	0	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%		
		True-up	0	0															
37	EnWin Utilities Ltd. - Building Optimization Pilot Adjustment to 2016 savings	Verified	0	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%		
		True-up	0	0															
38	EnWin Utilities Ltd. - Re-Invest Pilot Adjustment to 2016 savings	Verified	0	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%		
		True-up	0	0															
39	Horizon Utilities Corporation - ECM Furnace Motor Pilot Adjustment to 2016 savings	Verified	0	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%		
		True-up	0	0															
40	Horizon Utilities Corporation - Social Benchmarking Pilot Adjustment to 2016 savings	Verified	0	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%		
		True-up	0	0															
41	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot Adjustment to 2016 savings	Verified	0	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%		
		True-up	0	0															
42	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot Adjustment to 2016 savings	Verified	0	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%		
		True-up	0	0															
43	Kitchener-Wilnot Hydro Inc. - Pilot - DCKV Adjustment to 2016 savings	Verified	0	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%		
		True-up	0	0															
44	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agricultural Sector Adjustment to 2016 savings	Verified	0	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%		
		True-up	0	0															
45	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic Adjustment to 2016 savings	Verified	0	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%		
		True-up	0	0															
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls Adjustment to 2016 savings	Verified	0	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%		
		True-up	0	0															
47	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings) Adjustment to 2016 savings	Verified	0	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%		
		True-up	0	0															
48	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings) Adjustment to 2016 savings	Verified	0	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%		
		True-up	0	0															
49	Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings) Adjustment to 2016 savings	Verified	0	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%		
		True-up	0	0															
<b>Actual CDM Savings in 2016</b>			<b>13,071,174</b>	<b>1,875</b>	<b>5,490,686</b>	<b>586,139</b>	<b>5,079</b>	<b>2,982</b>	<b>4,919</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		
<b>Forecast CDM Savings in 2016</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		
Distribution Rate in 2016					\$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 2016 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 2016 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	\$0.00
Lost Revenue in 2016 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	\$0.00
Lost Revenue in 2016 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	\$0.00
Lost Revenue in 2016 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	\$0.00
Lost Revenue in 2016 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	\$0.00
<b>Total Lost Revenues in 2016</b>					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
<b>Forecast Lost Revenues in 2016</b>					<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	
<b>LRAMVA in 2016</b>																	<b>\$0.00</b>		
2016 Savings Persisting in 2017					5,490,686	586,124	5,075	2,979	4,915	0	0	0	0	0	0	0	0	0	
2016 Savings Persisting in 2018					5,490,686	586,372	5,079	2,982	4,919	0	0	0	0	0	0	0	0	0	
2016 Savings Persisting in 2019					5,490,686	586,372	5,079	2,982	4,919	0	0	0	0	0	0	0	0	0	
2016 Savings Persisting in 2020					5,490,686	586,372	5,079	2,982	4,919	0	0	0	0	0	0	0	0	0	

Note: LDC to make note of key assumptions included above

Table 5-c. 2017 Lost Revenues Work Form

Program	Results Status	Rate Allocations for LRAMVA															
		Net Energy Savings (kWh)		Net Demand Savings (kW)												Total	
		2017	2017	Residential	GS<50 kW	General Service 50 to 999 kW	General Service 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting						
<b>Legacy Framework</b>				kWh	kWh	kW	kW	kW	kWh	kW	kW	0	0	0	0	0	0

<b>Residential Program</b>																	
1	Coupon Initiative Adjustment to 2017 savings	Verified 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%
2	Bi-Annual Retailer Event Initiative Adjustment to 2017 savings	Verified 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%
3	Appliance Retirement Initiative Adjustment to 2017 savings	Verified 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%
4	HVAC Incentives Initiative Adjustment to 2017 savings	Verified 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%
5	Residential New Construction and Major Renovation Initiative Adjustment to 2017 savings	Verified 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%
<b>Commercial &amp; Institutional Program</b>																	
6	Energy Audit Initiative Adjustment to 2017 savings	Verified 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%
7	Efficiency: Equipment Replacement Incentive Initiative Adjustment to 2017 savings	Verified 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%
8	Direct Install Lighting and Water Heating Initiative Adjustment to 2017 savings	Verified 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%
9	New Construction and Major Renovation Initiative Adjustment to 2017 savings	Verified 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%
10	Existing Building Commissioning Incentive Initiative Adjustment to 2017 savings	Verified 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%
<b>Industrial Program</b>																	
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative Adjustment to 2017 savings	Verified 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%
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative Adjustment to 2017 savings	Verified 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%
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative Adjustment to 2017 savings	Verified 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%
<b>Low Income Program</b>																	
14	Low Income Initiative Adjustment to 2017 savings	Verified 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%
<b>Other</b>																	
15	Aboriginal Conservation Program Adjustment to 2017 savings	Verified 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%
16	Program Enabled Savings Adjustment to 2017 savings	Verified 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%
<b>Conservation Fund Pilots</b>																	
17	Conservation Fund Pilot - EnerNOC Adjustment to 2017 savings	Verified 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%
18	Loblaws Pilot Adjustment to 2017 savings	Verified 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%
19	Conservation Fund Pilot - SEG Adjustment to 2017 savings	Verified 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%
20	Social Benchmarking Pilot Adjustment to 2017 savings	Verified 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%
<b>Conservation First Framework</b>																	
<b>Residential Province-Wide Programs</b>																	
21	Save on Energy Coupon Program Adjustment to 2017 savings	Verified Unverified	4,196,635 5,626	299	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
	Save on Energy Instant Discount Program Adjustment to 2017 savings	Verified True-up	3,777,549	250	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
22	Save on Energy Heating and Cooling Program Adjustment to 2017 savings	Verified Unverified	956,804 97,260	274	98.00%	98.00%	2.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
23	Save on Energy Smart Thermostat Program Adjustment to 2017 savings	Verified Unverified			100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
24	Save on Energy Home Assistance Program Adjustment to 2017 savings	Verified True-up	145,140	24	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
<b>Non-Residential Province-Wide Programs</b>																	
25	Save on Energy Audit Fundina Program Adjustment to 2017 savings	Verified 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%
26	Save on Energy Retrofit Program Streetlighting Retrofit Program	Verified	18,627,676	2,946	0.00%	0.00%	3.00%	43.00%	25.00%	26.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	97%

	Adjustment to 2017 savings	Unverified	2,689,107			3.00%	43.00%	25.00%	26.00%										
27	Save on Energy Small Business Lighting 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%	0%
28	Save on Energy High Performance New Construction Program	Verified	72,721	16															100%
	Adjustment to 2017 savings	True-up			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%	0.00%	0%
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%	0%
30	Save on Energy Process & Systems Upgrades 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%	0%
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%	0%
32	Save on Energy Energy Manager Program	Verified	6,141																100%
	Adjustment to 2017 savings	True-up			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%	0.00%	0%
	<b>Local &amp; Regional Programs</b>																		
33	Business Refrigeration 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%	0%
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%	0%
35	Social Benchmarking Local Program	Verified																	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%	0%
	<b>Pilot Programs</b>																		
36	Energize 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%	0%
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%	0%
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%	0%
39	Horizon Utilities Corporation - ECM Furnace Motor 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%	0%
40	Horizon Utilities Corporation - 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%	0%
41	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data 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%	0%
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%	0%
43	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV	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%	0%
44	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Aoricultural Sector	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%	0%
45	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic	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%	0%
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls	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%	0%
47	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot 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%	0%
	<b>Centrally Delivered Programs</b>																		
48	Save on Energy Energy Performance Program for Multi-Site Customers	Verified	577,329	0															100%
	Adjustment to 2017 Savings	True-up			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%	0.00%	0%
49	Whole Home Pilot Program	Verified	120,265	17															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%	0%
	<b>Actual CDM Savings in 2017</b>		<b>31,301,119</b>	<b>3,859</b>	<b>9,307,064</b>	<b>660,585</b>	<b>15,393</b>	<b>8,838</b>	<b>9,192</b>	<b>0</b>	<b>0</b>	<b>288</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
	<b>Forecast CDM Savings in 2017</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
	Distribution Rate in 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	
	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	\$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	\$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	\$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	\$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	\$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	\$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	\$0.00	\$0.00	\$0.00
<b>Total Lost Revenues in 2017</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Forecast Lost Revenues in 2017</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>LRAMVA in 2017</b>																	
2017 Savings Persisting in 2018	7,448,004	670,551	15,987	9,183	9,550	0	0	288	0	0	0	0	0	0	0	0	0
2017 Savings Persisting in 2019	7,448,004	670,551	15,987	9,183	9,550	0	0	288	0	0	0	0	0	0	0	0	0
2017 Savings Persisting in 2020	7,448,004	670,551	15,987	9,183	9,550	0	0	288	0	0	0	0	0	0	0	0	0

Note: LDC to make note of key assumptions included above

Table 5-d. 2018 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings (kWh)		Net Demand Savings (kW)		Rate Allocations for LRAMVA												Total
		2018	2018	Residential	GS<50 kW	General Service 50 to 999 kW	General Service 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting							
<b>Legacy Framework</b>																		
<b>Residential Program</b>																		
1	Coupon Initiative	Verified																0%
	Adjustment to 2018 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%
2	Bi-Annual Retailer Event Initiative	Verified																0%
	Adjustment to 2018 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%
3	Appliance Retirement Initiative	Verified																0%
	Adjustment to 2018 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%
4	HVAC Incentives Initiative	Verified																0%
	Adjustment to 2018 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%
5	Residential New Construction and Major	Verified																0%
	Adjustment to 2018 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%
<b>Commercial &amp; Institutional Program</b>																		
6	Energy Audit Initiative	Verified																0%
	Adjustment to 2018 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%
7	Efficiency: Equipment Replacement Incentive	Verified																0%
	Adjustment to 2018 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%
8	Direct Install Lighting and Water Heating	Verified																0%
	Adjustment to 2018 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%
9	New Construction and Major Renovation	Verified																0%
	Adjustment to 2018 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%
10	Existing Building Commissioning Incentive	Verified																0%
	Adjustment to 2018 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%
<b>Industrial Program</b>																		
11	Process and Systems Upgrades Initiatives -	Verified																0%
	Project Incentive Initiative	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%
12	Process and Systems Upgrades Initiatives -	Verified																0%
	Monitoring and Targeting Initiative	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%
13	Process and Systems Upgrades Initiatives -	Verified																0%
	Energy Manager Initiative	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%
14	Low Income Program	Verified																0%
	Adjustment to 2018 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%
<b>Other</b>																		
15	Aboriginal Conservation Program	Verified																0%
	Adjustment to 2018 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%
16	Program Enabled Savings	Verified																0%
	Adjustment to 2018 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%
<b>Conservation Fund Pilots</b>																		
17	Conservation Fund Pilot - EnerNOC	Verified																0%
	Adjustment to 2018 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%
18	Loblaws Pilot	Verified																0%
	Adjustment to 2018 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%
19	Conservation Fund Pilot - SEG	Verified																0%
	Adjustment to 2018 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%
20	Social Benchmarking Pilot	Verified																0%
	Adjustment to 2018 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%
<b>Conservation First Framework</b>																		
<b>Residential Province-Wide Programs</b>																		
21	Save on Enerov Instant Discount Program	P/C Report	1,619,123		100.00%													100%

	Adjustment to 2018 savings	Post P/C Report			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%	
22	Save on Energy Heating and Cooling Program	P/C Report	559,079		98.00%	2.00%												100%
	Adjustment to 2018 savings	Post P/C Report			98.00%	2.00%	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 2018 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%	
24	Save on Energy Smart Thermostat Program	P/C Report	155,650		100.00%													100%
	Adjustment to 2018 savings	Post P/C Report			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%	
<b>Non-Residential Province-Wide Programs</b>																		
25	Save on Energy Audit Funding Program	Verified																0%
	Adjustment to 2018 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%	
26	Save on Energy Retrofit Program	P/C Report	16,620,624	2,236		3%	36%	39%	21%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
	Adjustment to 2018 savings	Post P/C Report			0.00%	3.03%	36.36%	39.39%	21.21%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
27	Save on Energy Small Business Lighting Program	P/C Report	401,671	160		96%	4%											100%
	Adjustment to 2018 savings	Post P/C Report			0.00%	95.96%	4.04%	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 2018 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%	
29	Save on Energy Existing Building Commissioning Program	Verified																0%
	Adjustment to 2018 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%	
30	Save on Energy Process & Systems Upgrades Program	Verified																0%
	Adjustment to 2018 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%	
31	Save on Energy Monitoring & Targeting Program	Verified																0%
	Adjustment to 2018 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%	
32	Save on Energy Energy Manager Program	Verified																0%
	Adjustment to 2018 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%	
<b>Local &amp; Regional Programs</b>																		
33	Business Refrigeration Local Program	Verified																0%
	Adjustment to 2018 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%	
34	First Nation Conservation Local Program	Verified																0%
	Adjustment to 2018 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%	
35	Social Benchmarking Local Program	Verified																0%
	Adjustment to 2018 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%	
<b>Pilot Programs</b>																		
36	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund	Verified																0%
	Adjustment to 2018 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%	
37	EnWin Utilities Ltd. - Building Optimization Pilot	Verified																0%
	Adjustment to 2018 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%	
38	EnWin Utilities Ltd. - Re-Invest Pilot	Verified																0%
	Adjustment to 2018 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%	
39	Horizon Utilities Corporation - ECM Furnace Motor Pilot	Verified																0%
	Adjustment to 2018 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%	
40	Horizon Utilities Corporation - Social Benchmarking Pilot	Verified																0%
	Adjustment to 2018 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%	
41	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot	Verified																0%
	Adjustment to 2018 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%	
42	Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot	Verified																0%
	Adjustment to 2018 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%	
43	Kitchener-Wilmot Hydro Inc. - Pilot - DCKV	Verified																0%
	Adjustment to 2018 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%	
44	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agricultural Sector	Verified																0%
	Adjustment to 2018 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%	
45	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic	Verified																0%
	Adjustment to 2018 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%	
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls	Verified																0%
	Adjustment to 2018 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%	



16	Program Enabled Savings Adjustment to 2019 savings	Verified 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%
<b>Conservation Fund Pilots</b>																		
17	Conservation Fund Pilot - EnerNOC Adjustment to 2019 savings	Verified 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%
18	Loblaws Pilot Adjustment to 2019 savings	Verified 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%
19	Conservation Fund Pilot - SEG Adjustment to 2019 savings	Verified 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%
20	Social Benchmarking Pilot Adjustment to 2019 savings	Verified 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%
<b>Conservation First Framework</b>																		
<b>Residential Province-Wide Programs</b>																		
21	Save on Energy Coupon Program Adjustment to 2019 savings	Verified 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%
22	Save on Energy Heating and Cooling Program Adjustment to 2019 savings	Verified 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%
23	Save on Energy New Construction Program Adjustment to 2019 savings	Verified 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%
24	Save on Energy Home Assistance Program Adjustment to 2019 savings	Verified 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%
<b>Non-Residential Province-Wide Programs</b>																		
25	Save on Energy Audit Funding Program Adjustment to 2019 savings	Verified 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%
26	Save on Energy Retrofit Program Adjustment to 2019 savings	Verified 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%
27	Save on Energy Small Business Lighting Program Adjustment to 2019 savings	Verified 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%
28	Save on Energy High Performance New Construction Program Adjustment to 2019 savings	Verified 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%
29	Save on Energy Existing Building Commissioning Program Adjustment to 2019 savings	Verified 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%
30	Save on Energy Process & Systems Upgrades Program Adjustment to 2019 savings	Verified 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%
31	Save on Energy Monitoring & Targeting Program Adjustment to 2019 savings	Verified 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%
32	Save on Energy Energy Manager Program Adjustment to 2019 savings	Verified 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%
<b>Local &amp; Regional Programs</b>																		
33	Business Refrigeration Local Program Adjustment to 2019 savings	Verified 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%
34	First Nation Conservation Local Program Adjustment to 2019 savings	Verified 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%
35	Social Benchmarking Local Program Adjustment to 2019 savings	Verified 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%
<b>Pilot Programs</b>																		
36	Energource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - Conservation Fund Adjustment to 2019 savings	Verified 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%
37	EnWin Utilities Ltd. - Building Optimization Pilot Adjustment to 2019 savings	Verified 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%
38	EnWin Utilities Ltd. - Re-Invest Pilot Adjustment to 2019 savings	Verified 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%
39	Horizon Utilities Corporation - ECM Furnace Motor Pilot Adjustment to 2019 savings	Verified 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%
40	Horizon Utilities Corporation - Social Benchmarking Pilot Adjustment to 2019 savings	Verified 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%
41	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot Adjustment to 2019 savings	Verified 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%







# LRAMVA Work Form: Carrying Charges by Rate Class

Legend

- User Inputs (Green)
- Auto Populated Cells (White)
- Instructions (Grey)

Instructions

- Please update Table 6 as new approved prescribed interest rates for deferral and variance accounts become available. Monthly interest rates are used to calculate the variance on the carrying charges for LRAMVA. Starting from column I, the principal will auto-populate as monthly variances in Table 6-a, and are multiplied by the interest rate from column H to determine the monthly variances on carrying charges for each rate class by year.
- 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.
- Please calculate the projected interest amounts in the LRAMVA work form. Project carrying charges amounts included in Table 6-a should be consistent with the projected interest amounts included in the DVA Continuity Schedule. **If there are additional adjustments required to the formulas to calculate the projected interest amounts, please adjust the formulas in Table 6-a accordingly.**

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	2.17%
2019 Q1	2.45%
2019 Q2	2.18%
2019 Q3	2.18%
2019 Q4	2.18%
2020 Q1	2.18%
2020 Q2	2.18%
2020 Q3	0.57%
2020 Q4	0.57%
2021 Q1	
2021 Q2	
2021 Q3	
2021 Q4	
2022 Q1	
2022 Q2	
2022 Q3	
2022 Q4	
2023 Q1	
2023 Q2	
2023 Q3	
2023 Q4	
2024 Q1	
2024 Q2	
2024 Q3	
2024 Q4	
2025 Q1	
2025 Q2	
2025 Q3	
2025 Q4	

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 999 kW	General Service 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	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
Feb-11	2011	Q1	0.12%	\$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
Apr-11	2011	Q2	0.12%	\$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
Jun-11	2011	Q2	0.12%	\$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
Aug-11	2011	Q3	0.12%	\$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
Oct-11	2011	Q4	0.12%	\$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
Dec-11	2011	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total for 2011</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>												
<b>Opening Balance for 2012</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
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
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
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
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
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
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
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
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
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
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
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
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
<b>Total for 2012</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>												
<b>Opening Balance for 2013</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
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
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
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
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
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
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
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
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
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
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
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
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
<b>Total for 2013</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>												
<b>Opening Balance for 2014</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
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
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
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
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
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
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
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
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
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
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
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
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
<b>Total for 2014</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Amount Cleared</b>												
<b>Opening Balance for 2015</b>				<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
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
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
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





# Supporting Documentatio LDC Persistence Savings Results f

Legend	User Inputs (Green)
	Drop Down List (Blue)
	Instructions (Grey)

**Instructions (Steps)**

- Columns B to H of this tab have been structured in a way to match the formatting of the persistence report provided by the IESO. Please copy and paste the program information by initiative in Columns B to H.
- Please identify the source of the report via the dropdown list in Column I.
- To facilitate the identification of adjustments that may be available in a prospective year's results report, it will be easier to sort all the savings by implementation year (Column H). This can be done by clicking on the implementation year.
- Please identify what the savings value represents (i.e., current year savings for the year or an adjustment to a prior year) via the dropdown list in Column J. Current year savings would be identified with an 'A'.
- Please manually input or link the applicable savings and adjustments (Columns L to BT) for all applicable initiatives in Tabs 4 and 5 of this work form.

**NOTE: The Net Verified Peak Demand Savings table and Net Verified Energy Savings table below are in the reverse order to the accompanying tables in Tab 4 and Tab 5. The tables below mat**

Table 7. 2011-2020 Verified Program Results and Persistence into Future Years

Step:	#1					#3	#2	#4	#1
Portfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Identify Source of Report	Identify Status of Savings	Net Verifi
									2011
Tier 1	Consumer	Appliance Exchange	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	3
Tier 1	Consumer	Appliance Retirement	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	43
Tier 1	Consumer	Bi-Annual Retailer Event	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	15
Tier 1	Consumer	Conservation Instant Coupon Booklet	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	11
Tier 1	Consumer	HVAC Incentives	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	450
Tier 1	Consumer	Residential Demand Response	Guelph Hydro Electric Systems Inc.	Residential	DR	2011	2011 Results Persistence	Current year savings	124
Tier 1	Consumer	Retailer Co-op	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	2011 Results Persistence	Current year savings	0
Tier 1	Business	Demand Response 3 - Business	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	DR	2011	2011 Results Persistence	Current year savings	2
Tier 1	Business	Demand Response 3 - Industrial	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	DR	2011	2011 Results Persistence	Current year savings	307
Tier 1	Business	Direct Install Lighting	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	EE	2011	2011 Results Persistence	Current year savings	313
Tier 1	Business	Retrofit - Business	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	EE	2011	2011 Results Persistence	Current year savings	110
Tier 1	Industrial	Demand Response 3 - Industrial	Guelph Hydro Electric Systems Inc.	Industrial	DR	2011	2011 Results Persistence	Current year savings	0
Tier 1	Industrial	Retrofit - Industrial	Guelph Hydro Electric Systems Inc.	Industrial	EE	2011	2011 Results Persistence	Current year savings	596
Tier 1	Pre-2011 Prog	Electricity Retrofit Incentive Program	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	EE	2011	2011 Results Persistence	Current year savings	1,385
Tier 1	Pre-2011 Prog	High Performance New Construction	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	EE	2011	2011 Results Persistence	Current year savings	62
Tier 1	Business	Direct Install Lighting	Guelph Hydro Electric Systems Inc.	C&I	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Business	Retrofit - Business	Guelph Hydro Electric Systems Inc.	C&I	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Business	Energy Audit	Guelph Hydro Electric Systems Inc.	C&I	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Consumer	Appliance Exchange	Guelph Hydro Electric Systems Inc.	Residential	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Consumer	Appliance Retirement	Guelph Hydro Electric Systems Inc.	Residential	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Consumer	Bi-Annual Retailer Event	Guelph Hydro Electric Systems Inc.	Residential	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Consumer	Conservation Instant Coupon Booklet	Guelph Hydro Electric Systems Inc.	Residential	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Consumer	HVAC Incentives	Guelph Hydro Electric Systems Inc.	Residential	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Pre-2011 Prog	High Performance New Construction	Guelph Hydro Electric Systems Inc.	C&I	EE	2012	2012 Results Persistence	Current year savings	0
Tier 1	Business	Demand Response 3 - Industrial	Guelph Hydro Electric Systems Inc.	C&I	DR	2012	2012 Results Persistence	Current year savings	0
Tier 1	Other	Program Enabled Savings	Guelph Hydro Electric Systems Inc.			2012	2012 Results Persistence	Current year savings	0











**ATTACHMENT 40  
PARTICIPATION AND COST REPORTS  
ALECTRA**

# Program Participation & Cost Report

## Message from the IESO Reporting Team

The IESO is pleased to provide LDCs with the Monthly Program Participation & Cost Report.

This report is generally posted on the IESO LDC Extranet by the Friday of the week following the 15th of each month. The report provides province-wide and LDC specific program participation and costs to the extent known based on information received by the IESO from all distribution companies and IESO Value Added Service Provider.

The Monthly Program Participation & Cost Report includes preliminary, unverified results based on information received by the IESO. Upon verification of project information through the IESO Evaluation, Measurement and Verification (EM&V) process, results will be reported as 'verified'. Performance against CDM Plan information is also available in this report and is based on the LDC's approved CDM Plan as at the end of the reporting period. Where two or more LDCs have submitted a joint CDM Plan, the IESO will provide a Monthly Program Participation & Cost Report for each LDC included in the CDM Plan.

The IESO strives to improve on the current reporting processes to provide meaningful and timely information to LDCs. Your feedback is encouraged and appreciated. Should you have any feedback, questions or comments on this report please contact us at [LDC.Support@ieso.ca](mailto:LDC.Support@ieso.ca).

# Program Participation & Cost Report

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#	Worksheet Name	Worksheet Description
1	Cover Letter	Provides an overview of the IESO Value Added Services Report.
2	How to Use This Report	Describes the contents and structure of this report.
3	LDC Summary	A high level summary of the Program Participation & Cost Report, including: <ol style="list-style-type: none"> <li>1) Progress toward the LDC's               <ol style="list-style-type: none"> <li>a) Allocated 2020 Energy Savings Target;</li> <li>b) Allocated 2015-2020 LDC CDM Plan Budget;</li> <li>c) CDM Plan 2015-2020 Forecasts;</li> </ol> </li> <li>3) Annual savings and spending;</li> <li>4) Annual LDC CDM Plan spending progress;</li> <li>5) Graphs describing:               <ol style="list-style-type: none"> <li>a) Contribution to 2020 Target Achievement by program;</li> <li>b) Program to Date LDC CDM Plan Budget Spending by Sector;</li> <li>c) Annual energy savings persistence to 2020 by year;</li> <li>d) Allocated Target achievement progress relative to other LDCs; and</li> <li>e) LDC CDM Plan Budget Spending progress relative to other LDCs.</li> </ol> </li> </ol>
4	LDC Progress	A comprehensive report of 2015-20 conservation results including: <ol style="list-style-type: none"> <li>1) Activity;</li> <li>2) Savings including:               <ol style="list-style-type: none"> <li>a) Net Energy;</li> <li>b) CDM Plan forecasts, verified actuals and relative progress;</li> <li>c) Allocated Target and Target achievement; and</li> </ol> </li> <li>3) Spending, including participant incentives and administrative expenses.</li> </ol>
5	Province-Wide Summary	A high level summary of the Program Participation & Cost Report, including: <ol style="list-style-type: none"> <li>1) Progress toward the Province's               <ol style="list-style-type: none"> <li>a) Allocated 2020 Energy Savings Target;</li> <li>b) Allocated 2015-2020 LDC CDM Plan Budget;</li> <li>c) Savings and Spending 2015-2020 Forecasts;</li> </ol> </li> <li>2) Centrally Delivered Spending and Budget</li> <li>3) LDCs who are forecasted to be over 2015-2020 allocated budget</li> </ol>
6	Province-Wide Progress	A comprehensive report of 2015-20 conservation results including: <ol style="list-style-type: none"> <li>1) Activity;</li> <li>2) Savings including:               <ol style="list-style-type: none"> <li>a) Net Energy;</li> <li>b) CDM Plan forecasts, verified actuals and relative progress;</li> <li>c) Allocated Target and Target achievement; and</li> </ol> </li> <li>3) Spending, including participant incentives and administrative expenses.</li> </ol>
7	IESO VAS and CD Costs	Insight into the spending and savings of Centrally Delivered Programs and non-program related items.
8	Retrofit Multi-Site Applications	Provision of the LDCs and the Province-Wide aggregated Multi-Site Application activity and costs for each year of the Save on Energy Retrofit Program.
9	Methodology	Description of the methods used to calculate energy savings, financial results and cost-effectiveness.
10	Reference Tables	Consumer Program Province-Wide results allocation to specific LDCs.
11	Glossary	Definitions for the terms used throughout this report.

# Program Participation & Cost Report

## How to Use This Report

The IESO is pleased to provide you with the Monthly Participation and Cost Report.

This report provides:

- 1) program participation;
- 1) electricity savings; and
- 2) costs

to the extent known based on information received by the IESO in accordance with Section 9.2(c)(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 savings;
  - b) allocated target, target achievement and progress towards target;
  - c) incremental net first year energy savings;
  - and where available reported by: i) forecasts; ii) unverified and 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 for each cost: i) forecasts; ii) unverified and verified actuals; and iii) progress (forecast vs actuals);

by both the LDC specific level and the province-wide aggregated level.

This report's format 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 results categories listed above have been grouped together for easy accessibility.

	+	+	+	+	+	+	
L	AD	AW	CD	CV	DA	DF	DI
	Detail >	Detail >	Date >	Date >	Date >	Date >	

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;
 will not be available for the 2015 program year in this report but will be provided to LDCs once available.
- 2) forecasts of: a) activity; b) savings; and c) spending; included in this report are based on LDC submitted and IESO approved CDM Plan - Cost Effectiveness Tools as of the end of the reporting month.
  - (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 funded program savings. In future reports, any Pay-for-Performance funded programs will be reported as a separate line item.
- 4) The complete list of programs and pilots launched into market in 2015 has been included, however no programs and pilots were in market for a sufficient period of time to enable a valid EM&V process. Therefore these programs and pilots have nothing to report at this time and have cells greyed out rather than reporting zero savings or spending. Any results in 2015 will be determined in a subsequent EM&V process and will be included in a future year's Annual Verified Results Report as a 2015 adjustment;
- 5) Pilot program savings are attributed to the LDC where the pilot program project is located in; and
- 6) This Monthly Participation and Cost Report provides results for the LDC and province only. No aggregated reporting is provided for LDCs that are part of a joint CDM plan;

# Program Participation & Cost Report Summary

**Alectra Utilities Corporation**  
As of: **15-Apr-19**

**CDM Plan vs Allocated Paid Pre-Funding**  
**CFF Target (kWh):** 1,812,764,172 vs 1,604,544,161  
**CFF Budget:** \$412,907,156 vs \$414,824,478 \$14,763,348

## Summary of Performance Metrics

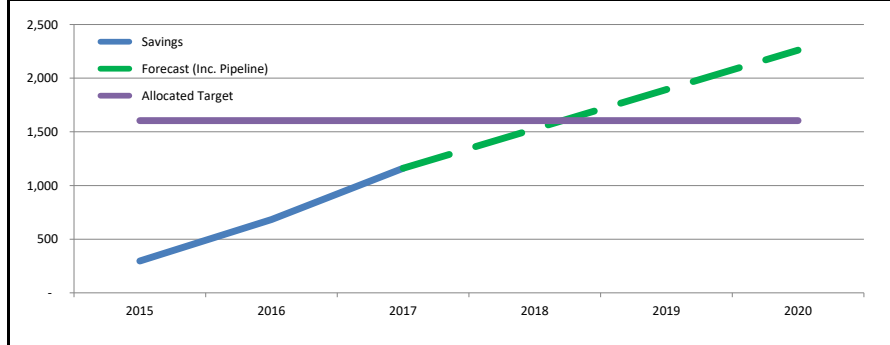
	2019 CDM Results	2019 CDM Plan %	6-year CDM Results	6-year CDM Plan %	6-year Allocated %
Net Energy Savings (kWh) as at 2020	3,468,152	1%	1,299,180,049	71.7%	81.0%
Total Actual Spending (\$)	\$ 12,874,421	16%	\$ 204,597,454	49.6%	49.3%
Cost-effectiveness: Total Resource Cost Test (Ratio)	2.78		1.99		
Cost-effectiveness: Program Administrator Cost Test (Ratio)	4.13		3.08		
Cost-effectiveness: Levelized Unit Electricity Cost (\$/kWh)	0.02		0.02		

## LDC Ranking in the Province out of 67

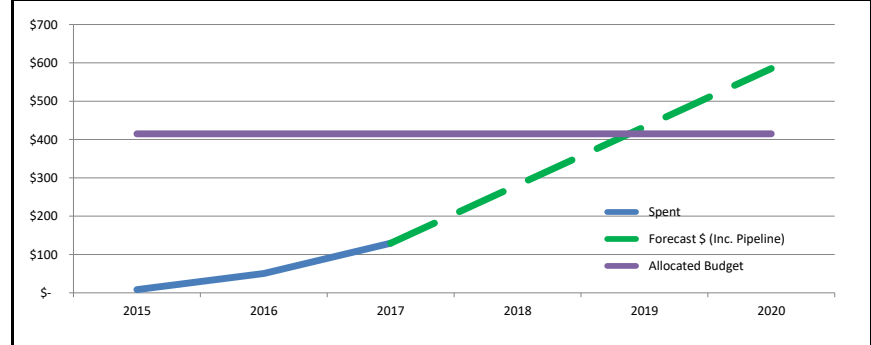
	Total % of 6-year Allocated Budget Spent	Total % of 6-year Allocated Target
This Month:	39	40
Last Month:	37	36

**MTI Calculated Payout:** \$ 13,380,313  
**2015-17 kWh & MTI Rate:** 892,020,857 0.15 cents/kWh  
**Paid MTI Amount:** \$ 13,380,313

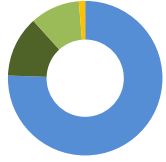
## Forecasted Savings (GWh)



## Forecasted Spending (Millions)



**2019 % Contribution by Program**



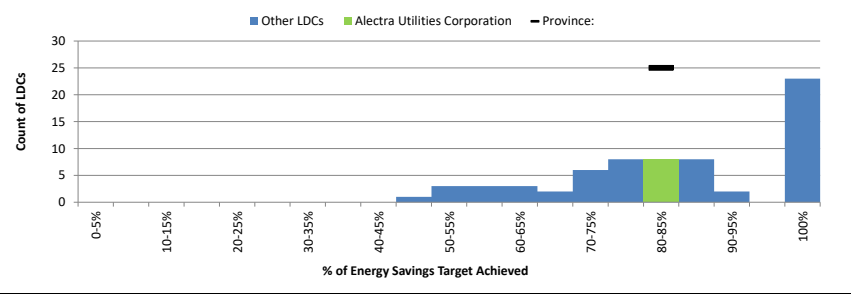
- Save on Energy Energy Manager Program
- Save on Energy Process & Systems Upgrades Program
- Save on Energy Retrofit Program
- Save on Energy Retrofit Program - P4P

**Framework to Date Contribution by Program**

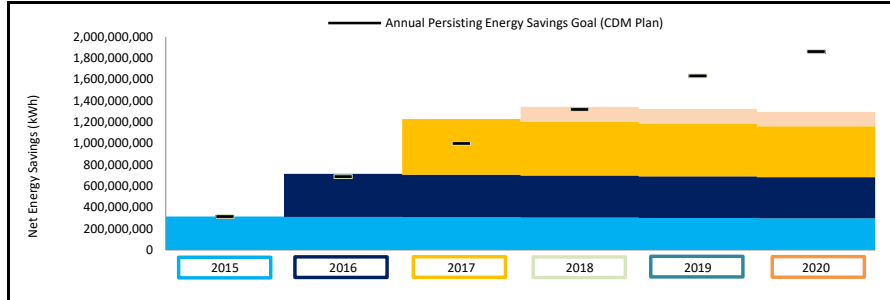


- Save on Energy Energy Manager Program
- Save on Energy Coupon Program
- 2011-2014 Framework
- Save on Energy Retrofit Program - P4P
- Save on Energy Retrofit Program

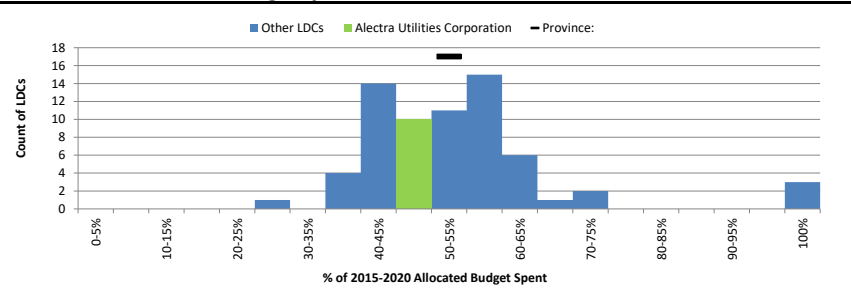
**% of 2015-2020 Allocated Energy Savings Target Achieved**



**Persisting Energy Savings by Year**



**% of 2015-2020 Allocated Budget Spent**



<b>Alectra Utilities Corporation</b>		<b>2019 CDM Plan Forecast</b>		<b>6-year CDM Plan Forecast</b>	
<b>As of:</b> 15-Apr-19		<b>% kWh Target</b>	<b>% Budget Spent</b>	<b>% kWh Target</b>	<b>% Budget Spent</b>
<b>Program</b>					
Residential (Province-Wide)	Save on Energy Coupon Program	0%	0%	127%	95%
	Save on Energy Heating and Cooling Program	0%	33%	64%	89%
	Save on Energy Home Assistance Program	0%	0%	19%	17%
	Save on Energy Instant Discount Program				
	Save on Energy New Construction Program	0%	22%	21%	42%
	Save on Energy Smart Thermostat Program				
	Save on Energy Whole Home Program			142%	0%
<b>Residential Programs Total</b>		<b>0%</b>	<b>23%</b>	<b>137%</b>	<b>93%</b>
Non-Residential (Province-Wide)	Save on Energy Audit Funding Program	0%	13%	116%	70%
	Save on Energy Retrofit Program	3%	102%	77%	54%
	Save on Energy Retrofit Program - P4P	0%	13%	38%	26%
	Save on Energy Retrofit Program Enabled Savings				
	Save on Energy Small Business Lighting Program	0%	0%	93%	90%
	Save on Energy Business Refrigeration Program	0%	1%	99%	67%
	Save on Energy Energy Performance Program				
	Save on Energy Existing Building Commissioning Program	0%	1%	5%	30%
	Save on Energy High Performance New Construction Program	1%	24%	90%	86%
	Save on Energy High Performance New Construction Program Enabled Savings				
	Save on Energy Process & Systems Upgrades Program	1%	1%	4%	11%
	Save on Energy Process & Systems Upgrades Program - P4P			152%	92%
	Save on Energy Process & Systems Upgrades Program Enabled Savings				
	Save on Energy Energy Manager Program	68%	7%	138%	40%
Save on Energy Monitoring & Targeting Program	2%	0%	7%	23%	
<b>Non-Residential Programs Total</b>		<b>1%</b>	<b>14%</b>	<b>54%</b>	<b>39%</b>
Local LDC Programs	<b>Local LDC Programs Total</b>	<b>0%</b>	<b>42%</b>	<b>58%</b>	<b>56%</b>
LDC Innovation Pilots	<b>LDC Innovation Pilots Total</b>			<b>110%</b>	<b>100%</b>
<b>Target Gap</b>					
<b>Non-Approved Program</b>					
<b>Unassigned Program</b>					
<b>Energy Savings from 2011-2014 Framework</b>				<b>104%</b>	
<b>TOTAL Conservation First (CDM Plan Forecast)</b>		<b>1%</b>	<b>16%</b>	<b>72%</b>	<b>50%</b>
<b>TOTAL Conservation First (Target and Budget Allocation)</b>				<b>81%</b>	<b>49%</b>

Count  
(Incremental)

^  
By Month

Energy Savings  
(Incremental)

YTD		PTD		2015 Year to Date	2016 Year to Date	2017 Year to Date	2018 Unverified Year to Date	2019 Unverified Year to Date	Program to Date	YTD		PTD	
% Total	% Total			kWh	kWh	kWh	kWh	kWh	kWh	% Total	% Total	% Total	% Total
0%	14%			11,596,136	89,482,141	92,769,966			193,848,242	0%	14%		
0%	3%			5,486,785	17,897,208	17,195,004	6,773,896		47,352,892	0%	4%		
0%	0%				928,527	713,933	387,322		2,029,783	0%	0%		
0%	9%					87,555,950	37,528,001		125,083,950	0%	8%		
0%	0%			107,573	1,369,401	1,245,569	1,420,802		4,143,346	0%	0%		
0%	0%					314,031	1,007,238		1,321,269	0%	0%		
0%	0%					1,991,210			1,991,210	0%	0%		
0%	27%			17,190,494	109,677,277	201,785,662	47,117,259		375,770,692	0%	26%		
0%	1%			620,994	972,555	6,379,998	1,902,232		9,875,780	0%	1%		
10%	25%			24,852,504	130,177,647	149,421,507	39,482,152	356,522	344,290,332	10%	27%		
1%	15%			5,912,613	88,240,266	85,771,390	22,486,857	45,545	202,456,670	1%	16%		
0%	0%			102,350	853,698	474,578			1,430,626	0%	0%		
0%	1%				304,916	8,173,262	5,127,390		13,605,568	0%	1%		
0%	1%				1,013,502	7,056,830	2,583,316		10,653,648	0%	1%		
0%	0%					592,627			592,627	0%	0%		
0%	0%					27,970			27,970	0%	0%		
1%	2%			238,180	9,748,884	15,020,669	6,004,467	19,360	31,031,561	1%	2%		
0%	0%									0%	0%		
13%	1%				2,593,883	4,518,807	327,598	438,132	7,878,419	13%	1%		
0%	3%				38,559,996				38,559,996	0%	3%		
0%	0%									0%	0%		
75%	2%				3,608,100	8,827,747	12,628,068	2,596,219	27,660,134	75%	2%		
0%	0%						106,000	12,374	118,374	0%	0%		
100%	50%			31,726,641	276,073,448	286,265,385	90,648,080	3,468,152	688,181,705	100%	52%		
0%	4%				14,853,697	33,912,641			48,766,339	0%	3%		
0%	0%				2,678,270				2,678,270	0%	0%		
0%	19%			265,093,763					265,093,763	0%	19%		
100%	100%			314,010,898	403,282,692	521,963,688	137,765,339	3,468,152	1,380,490,769	100%	100%		





# Province Wide Dashboard

## High Level Summary

as of: 15-Apr-19

### LDCs and IESO Centrally Delivered

6.06 TWh achieved to date. 82% of allocated target and 16% ahead of CDM plans.

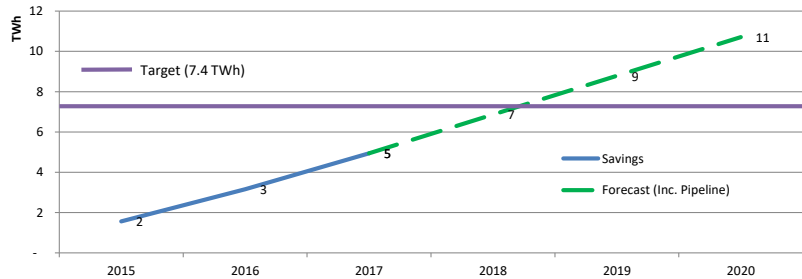
\$1268.1 million spent to date. 52% of allocated budget and 19% behind CDM plans.

### IAP

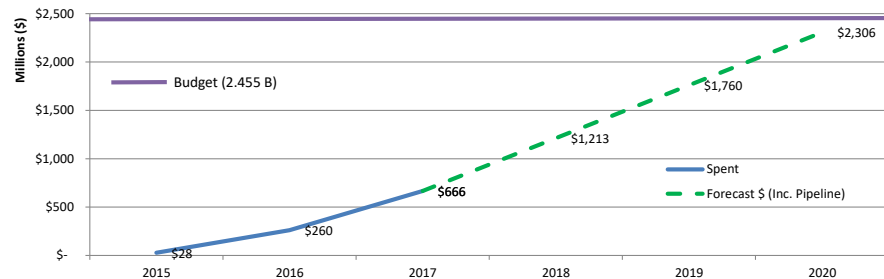
0.42 TWh achieved to date. 32% of allocated target.

\$69.3 million spent to date. 27% of allocated budget.

Savings Summary (LDCs and IESO Centrally Delivered)



Spending Summary (LDCs and IESO Centrally Delivered)



LDCs Forecasted Spending in millions at 2020 (excluding First Nations)

	Allocated	Forecast	%
1 Milton Hydro Distribution Inc.	\$11.91	\$19.03	160%
2 Halton Hills Hydro Inc.	\$8.39	\$11.99	143%
3 EnWin Utilities Ltd.	\$38.42	\$48.31	126%
4 Tillsonburg Hydro Inc.	\$2.88	\$2.89	100%
5 Northern Ontario Wires Inc.	\$1.17	\$1.45	123%
6 Essex Powerlines Corporation	\$8.53	\$12.12	142%
7 Thunder Bay Hydro Electricity Distribution Inc.	\$12.93	\$20.95	162%
8 Brantford Power Inc.	\$16.55	\$17.84	108%
9 Midland Power Utility Corporation	\$2.74	\$2.57	94%
10 Orillia Power Distribution Corporation	\$4.32	\$4.46	103%
11 PUC Distribution Inc.	\$7.44	\$7.30	98%
12 London Hydro Inc.	\$51.19	\$49.80	97%
13 Hydro Ottawa Limited	\$105.24	\$92.54	88%
14 Algoma Power Inc.	\$2.11	\$1.93	92%
15 Erie Thames Powerlines Corporation	\$7.11	\$14.22	200%
16 Oakville Hydro Electricity Distribution Inc.	\$24.58	\$25.30	103%
17 Hydro One Networks Inc.	\$338.36	\$348.59	103%
18 Renfrew Hydro Inc.	\$1.07	\$1.03	96%
19 Burlington Hydro Inc.	\$25.83	\$25.77	100%

Central Services Spending in millions

	Total Actual	Budget
CFF Labour	\$2.04	\$5.40
Technical Services (to include tech reviewer)	\$36.36	\$77.40
IESO Infrastructure (IS, IT, CRM, Call Centre)	\$6.73	\$14.71
LDC Innovation Fund (Not including Whole Home)	\$13.09	\$30.64
Collaboration Fund	\$4.60	\$12.22
Capability Building, National Accounts & Energy Managers	\$4.77	\$37.03
Province Wide Marketing & Market Research	\$35.65	\$55.73
LDC Performance Incentives (MTI/ATI/ETI)	\$68.04	\$128.50
Centrally Delivered Programs Total	\$27.92	\$255.01
Centrally Delivered Provincial Total	\$199.21	\$616.64

### Assumptions

Forecast (Deal Days): Assume savings/spending for 1 event a year.

Pipeline: Includes discounted Retrofit data in the pipeline and all PSUP and IAP projects.

Forecasts are a linear based on past performance, aside from large PSUP and IAP projects.

Forecasts include pipeline information as well as verified and unverified data.

Forecasts for savings are based on a 6 years, spending is based on a 5 years (legacy extension).



# Program Participation & Cost Report

## IESO Value Added Services Costs and Centrally Delivered Costs

### Alectra Utilities Corporation

Unless otherwise stated, all values are unverified

Year end adjustments for invalid coupons that didn't align with retailer sales data are done in the Decembers IESO reporting period.

\*The IESO adjusted values reported as Value Added Services Unverified Adjustments from Previous Years to discount savings reported as verified savings from previous years.

		Activity	Measures Installed	Net Incremental Energy Savings (kWh)	Administrative Expenses (Variable)	Participant Incentives	Total Value Added Services Spending
Provincial Value Added Services Actuals for the period	Coupon Total	Measures	38,087,165	1,035,550,189	\$ 10,575,058	\$ 101,323,731	\$ 111,898,788
	Instant Discount Program to Date Total	Measures	31,123,156	629,597,669	\$ 2,242,531	\$ 53,796,834	\$ 56,039,366
	Heating and Cooling Program to Date Total	Equipment	212,703	129,777,545	\$ 2,403,050	\$ 99,195,550	\$ 101,598,600
	Smart Thermostat Program to Date Total	Equipment	21,095	6,195,178	\$ 79,405	\$ 794,050	\$ 873,455
	<b>LDC Value Added Services Provincial Total</b>			<b>1,801,120,581</b>	<b>\$ 15,300,044</b>	<b>\$ 255,110,165</b>	<b>\$ 270,410,209</b>
LDC Value Added Services Actuals for the period	Coupon Total	Measures	7,264,096	193,848,242	\$ 2,207,309	\$ 19,481,929	\$ 21,689,238
	Instant Discount Program to Date Total	Measures	6,200,861	125,083,950	\$ 445,931	\$ 10,685,212	\$ 11,131,144
	Heating and Cooling Program to Date Total	Equipment	77,976	47,352,892	\$ 947,609	\$ 25,199,100	\$ 26,146,709
	Smart Thermostat Pilot Program to Date Total	Equipment	3,387	1,321,269	\$ 16,935	\$ 169,350	\$ 186,285
	<b>LDC Value Added Services LDC Total</b>			<b>367,606,353</b>	<b>\$ 3,617,784</b>	<b>\$ 55,535,592</b>	<b>\$ 59,153,376</b>
Provincial Centrally Delivered Actuals for the period	CFF Labour				\$ 2,041,298		\$ 2,041,298
	Technical Services (to include tech reviewer)				\$ 36,364,605		\$ 36,364,605
	IESO Infrastructure (IS, IT, CRM, Call Centre)				\$ 6,729,087		\$ 6,729,087
	LDC Innovation Fund (Not including Whole Home)				\$ 13,087,154		\$ 13,087,154
	Collaboration Fund				\$ 4,604,611		\$ 4,604,611
	Capability Building, National Accounts & Energy Managers				\$ 4,774,004		\$ 4,774,004
	Province Wide Marketing & Market Research				\$ 35,652,336		\$ 35,652,336
	LDC Performance Incentives (MTI/ATI/ETI)				\$ 68,036,082		\$ 68,036,082
	Centrally Delivered Programs Total		161,778.2	12,529,974	\$ 23,606,155	\$ 4,313,506	\$ 27,919,661
	<b>Centrally Delivered Provincial Total</b>				<b>\$ 194,895,330</b>	<b>\$ 4,313,506</b>	<b>\$ 199,208,837</b>

# Program Participation & Cost Report

## Save on Energy Retrofit Program - Multi-Site Applications

By Month

By Month

Alectra Utilities Corporation		Count (Incremental) >						Energy Savings (Incremental) >						Energy Savings (Remaining to 2020) >	
As of:	15-Apr-19	2015 Year to Date	2016 Year to Date	2017 Unverified Year to Date	2018 Unverified Year to Date	2019 Year to Date	Program to Date	2015 Year to Date	2016 Year to Date	2017 Unverified Year to Date	2018 Unverified Year to Date	2019 Year to Date	Program to Date	2020	Spending (Year to Date) >
Program		kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh	kWh		
Provincial Actuals for the Period	Save on Energy Retrofit Program	107,017,005	559,470,858	172,219,371	413,623,628	6,193,160	1,258,524,022	105,825,051	548,172,601	171,267,728	411,578,602	6,193,160	1,243,137,141		
	Save on Energy Retrofit Program - P4P	4,648,624	69,981,669	66,375,569	22,486,857	45,545	163,538,263	4,470,196	69,692,019	66,047,335	22,375,657	45,545	162,631,652		
	Multi-Site Applications*		146,427	10,844,870	20,824,272	620,578	32,436,147		145,703	10,791,241	20,721,294	620,578	32,278,816		
LDC Actuals for the Period	Save on Energy Retrofit Program	24,208,116	111,985,971	31,236,754	39,482,152	356,622	207,269,515	23,898,778	109,586,023	31,082,285	39,286,908	356,522	204,210,516		
	Save on Energy Retrofit Program - P4P	4,648,624	69,981,669	66,375,569	22,486,857	45,545	163,538,263	4,470,196	69,692,019	66,047,335	22,375,657	45,545	162,631,652		
	Multi-Site Applications*	28,856,740	59,981	647,604	1,830,938		31,395,263		59,685	644,401	1,821,884		2,525,970		

\*Only contains UNVERIFIED data. For MSA in final verified results please request

a complete project list by emailing LDC.Support@ieso.ca

# Program Participation & Cost Report

## Methodology

### General

All results are at the end-user level (not including transmission and distribution losses).

### Forecasting

Forecasting is a linear formulae used to predict savings and spending. Savings are based on a 72 month period, spending is based on a 60 month period because of the legacy extension year. Savings and spending are calculated the same aside from the ratio used for the denominator to determine how many more months should be projected forewords (\$ uses 60 months, kWh uses 72 months as described above).

Forecasting is calculated as follows:

$$V = \frac{C}{e^{rt}}$$

Pipeline: For Retrofit the pipeline data is based on projects not already submitted.

Pre stage application status' are discounted based on created year. If todays date less the creation data is 3 years or older, the discount rate is a random number between 99% - 100%, 2 years 92% - 100%, 1 year 70% - 100%

Discount rates were established based on an analysis conducted by the IESO including all province wide Retrofit data spanning from 2014 onward.

Retrofit Post stage applications and PSUI applications are not discounted at all.

Instant Discounts is projected forward based on 2018 results but discounted by half, then added back into the forecast.

Instant Discounts savings are expected to be reduced by half as there is only 1 event a year projected for Instant Discounts as appose to 2 that was in 2018.

Coupons Program is removed from future projections as the program is discontinued. It is then added back into the forecast similar to PSUI.

### Savings Calculations

#	Project Type	Equations
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.

### 2011-2014+2015 Extension Legacy Framework Initiatives

#	Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings	Project Count
1	saveONenergy Conservation Instant Coupon Booklet	LDC-coded coupons directly attributed to LDC. Otherwise results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year in which the coupon was redeemed.		Based on project completion date. Count is based of the unit of measurement shown beside the program name. Eg Retrofit is the count of Projects.
2	saveONenergy Bi-Annual Retailer Event	Results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year in which the event occurs.	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.	
3	saveONenergy Appliance Retirement	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.	Savings are considered to begin in the year the appliance is picked up.		
4	saveONenergy HVAC Incentives	Results directly attributed to LDC based on customer applications and postal code.	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.	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.	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. 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)	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).	
9	saveONenergy Direct Installed Lighting	Results are directly attributed to LDC based on the LDC specified on the work order.	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 takes into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).	
10	saveONenergy New Construction and Major Renovation Incentive	Results are directly attributed to LDC based on LDC identified in the application.		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).	
11	saveONenergy Existing Building Commissioning Incentive				
12	saveONenergy Process & System Upgrades		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).	
13	saveONenergy Monitoring & Targeting	Results are directly attributed to LDC based on LDC identified in application.			
14	saveONenergy Energy Manager		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.		
14	saveONenergy Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	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				

2015-2020 Conservation First Framework Programs

#	Program	Attributing Savings to LDCs	Savings 'Start' Date	Calculating Resource Savings	Project Count
1	Save on Energy Coupon Program	LDC-coded coupons directly attributed to LDC; Otherwise results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year in which the coupon was redeemed.		
2	Save on Energy Heating and Cooling Program	Results directly attributed to LDC based on customer applications and postal code. LDCs may see additional participation, savings and spending relative to the March 2016 Value Added Services Report due to previously unassigned applications completed in 2015. Adjustments to reflect final 2015 verified participation will appear in your July 2016 Value Added Services Report to be issued on August 15, 2016	Savings are considered to begin in the year that the installation occurred.	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.	
3	Save on Energy New Construction Program	Results are directly attributed to LDC based on LDC identified in CDM LDC Report Template.	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.	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.	Savings are considered to begin in the year of the audit date.		Based on project completion date. Count is the number of line items (rows) that are entered into the "Program Activity Information" tab in the LDC Report Template.
6	Save on Energy Retrofit Program	Results are directly attributed to LDC based on LDC identified at the facility level in the saveOnEnergy CRM; Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see page for Building type to Sector mapping.	Savings are considered to begin in the year of the actual project completion date as reported in the CDM LDC Report Template	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.	Savings are considered to begin in the year of the actual project completion date. Count is based off the actual 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.		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.	Based on project completion date. Could be a future completion date as incentives are paid before the project is completed.
9	Save on Energy Existing Building Commissioning Program				Based on project completion date. Count is the number of line items (rows) that are entered into the "Program Activity Information" tab in the LDC Report Template.
10	Save on Energy Process and Systems Upgrades Program	Results are directly attributed to LDC based on LDC identified in application.	Savings are considered to begin in the year in which the project was in-service.		
11	Save on Energy Monitoring and Targeting Program	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, no completed projects in 2011, 2012 or 2013.	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).	Based on project completion date. Could be a future completion date as incentives are paid before the project is completed.
12	Save on Energy Energy Manager Program	Results are directly attributed to LDC based on LDC identified in the application.	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	Business Refrigeration Incentive Program		Savings are considered to begin in the year in which the measures were installed.	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).	Based on project completion date. Count is the number of line items (rows) that are entered into the "Program Activity Information" tab in the LDC Report Template.
14	Social Benchmarking Program	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the report was sent.	Peak demand and energy savings are determined using the verified measure level (home) 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 (home).	
15	First Nations Conservation Program		Savings are considered to begin in the year in which the measures were installed.	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.	

IESO Value Added Services Costs

- 1) IESO Value Added Services Costs are based on activity reported as of March 31, 2016.
- 2) Save on Energy Heating & Cooling Program activity may be greater than the March 2016 IESO Value Added Services Report due to previously unassigned applications being assigned to LDCs through the Evaluation, Measurement & Verification Process based on updated applicant postal code mappings. These additional applications and costs will be reflected in the July 2016 IESO Value Added Services Report.
- 3) Future years may include adjustments to prior years based on delays of Value-Added Service report submissions to IESO from IESO Value-Added Service providers.
- 4) IESO Value Added Services costs are calculated based on the prevailing IESO Value Added Services Rates as per the applicable IESO Central Services Strategy and Rate Guideline.

# Program Participation & Cost Report

## Consumer Program Allocation Methodology

Year	Local Distribution Company	Allocation
2016 03 31 - Current	Algoma Power Inc.	0.1820%
2016 03 31 - Current	Atikokan Hydro Inc.	0.0229%
2016 03 31 - Current	Attawapiskat Power Corporation	0.0149%
2016 03 31 - Current	Bluewater Power Distribution Corporation	0.6152%
2016 03 31 - Current	Brantford Power Inc.	0.6715%
2016 03 31 - Current	Burlington Hydro Inc.	1.3392%
2016 03 31 - Current	Canadian Niagara Power Inc.	0.3472%
2016 03 31 - Current	Centre Wellington Hydro Ltd.	0.1058%
2016 03 31 - Current	Chapleau Public Utilities Corporation	0.0282%
2016 03 31 - Current	COLLUS PowerStream Corp.	0.2546%
2016 03 31 - Current	Cooperative Hydro Embrun Inc.	0.0563%
2016 03 31 - Current	E.L.K. Energy Inc.	0.2455%
2016 03 31 - Current	Energy+ Inc.	1.1217%
2016 03 31 - Current	Enersource Hydro Mississauga Inc.	4.6424%
2016 03 31 - Current	Entegrus Powerlines Inc.	0.7018%
2016 03 31 - Current	EnWin Utilities Ltd.	1.4909%
2016 03 31 - Current	Erie Thames Powerlines Corporation	0.3197%
2016 03 31 - Current	Espanola Regional Hydro Distribution Corporation	0.0637%
2016 03 31 - Current	Essex Powerlines Corporation	0.6061%
2016 03 31 - Current	Festival Hydro Inc.	0.3248%
2016 03 31 - Current	Fort Albany Power Corporation	0.0099%
2016 03 31 - Current	Fort Frances Power Corporation	0.0900%
2016 03 31 - Current	Greater Sudbury Hydro Inc.	0.7993%
2016 03 31 - Current	Grimsby Power Incorporated	0.1813%
2016 03 31 - Current	Guelph Hydro Electric Systems Inc.	0.8531%
2016 03 31 - Current	Halton Hills Hydro Inc.	0.5897%
2016 03 31 - Current	Hearst Power Distribution Company Limited	0.0510%
2016 03 31 - Current	Horizon Utilities Corporation	3.7200%
2016 03 31 - Current	Hydro 2000 Inc.	0.0394%
2016 03 31 - Current	Hydro Hawkesbury Inc.	0.1467%
2016 03 31 - Current	Hydro One Brampton Networks Inc.	3.5920%
2016 03 31 - Current	Hydro One Networks Inc.	27.2865%
2016 03 31 - Current	Hydro Ottawa Limited	6.6052%
2016 03 31 - Current	InnPower Corporation	0.3309%
2016 03 31 - Current	Kashechewan Power Corporation	0.0177%
2016 03 31 - Current	Kenora Hydro Electric Corporation Ltd.	0.0896%
2016 03 31 - Current	Kingston Hydro Corporation	0.2939%
2016 03 31 - Current	Kitchener-Wilmot Hydro Inc.	1.5077%
2016 03 31 - Current	Lakefront Utilities Inc.	0.1128%
2016 03 31 - Current	Lakeland Power Distribution Ltd.	0.2288%
2016 03 31 - Current	London Hydro Inc.	2.6114%
2016 03 31 - Current	Midland Power Utility Corporation	0.1014%
2016 03 31 - Current	Milton Hydro Distribution Inc.	0.6579%
2016 03 31 - Current	Newmarket-Tay Power Distribution Ltd.	0.5977%
2016 03 31 - Current	Niagara Peninsula Energy Inc.	0.8158%
2016 03 31 - Current	Niagara-on-the-Lake Hydro Inc.	0.1304%



2016 03 31 - Current	North Bay Hydro Distribution Limited	0.4153%
2016 03 31 - Current	Northern Ontario Wires Inc.	0.0860%
2016 03 31 - Current	Oakville Hydro Electricity Distribution Inc.	1.5097%
2016 03 31 - Current	Orangeville Hydro Limited	0.2004%
2016 03 31 - Current	Orillia Power Distribution Corporation	0.2220%
2016 03 31 - Current	Oshawa PUC Networks Inc.	1.4845%
2016 03 31 - Current	Ottawa River Power Corporation	0.1225%
2016 03 31 - Current	Peterborough Distribution Incorporated	0.4607%
2016 03 31 - Current	PowerStream Inc.	7.8184%
2016 03 31 - Current	PUC Distribution Inc.	0.6545%
2016 03 31 - Current	Renfrew Hydro Inc.	0.0477%
2016 03 31 - Current	Rideau St. Lawrence Distribution Inc.	0.0670%
2016 03 31 - Current	Sioux Lookout Hydro Inc.	0.0776%
2016 03 31 - Current	St. Thomas Energy Inc.	0.2780%
2016 03 31 - Current	Thunder Bay Hydro Electricity Distribution Inc.	0.8172%
2016 03 31 - Current	Tillsonburg Hydro Inc.	0.1169%
2016 03 31 - Current	Toronto Hydro-Electric System Limited	15.5698%
2016 03 31 - Current	Veridian Connections Inc.	2.3879%
2016 03 31 - Current	Wasaga Distribution Inc.	0.1754%
2016 03 31 - Current	Waterloo North Hydro Inc.	0.9590%
2016 03 31 - Current	Wells Hydro-Electric System Corp.	0.3103%
2016 03 31 - Current	Wellington North Power Inc.	0.0570%
2016 03 31 - Current	West Coast Huron Energy Inc.	0.0585%
2016 03 31 - Current	Westario Power Inc.	0.3654%
2016 03 31 - Current	Whitby Hydro Electric Corporation	1.1240%
2011 - 2016 03 31	Algoma Power Inc.	0.2207%
2011 - 2016 03 31	Atikokan Hydro Inc.	0.0265%
2011 - 2016 03 31	Attawapiskat Power Corporation	0.0255%
2011 - 2016 03 31	Bluewater Power Distribution Corporation	0.6460%
2011 - 2016 03 31	Brant County Power Inc.	0.1979%
2011 - 2016 03 31	Brantford Power Inc.	0.7255%
2011 - 2016 03 31	Burlington Hydro Inc.	1.3757%
2011 - 2016 03 31	Cambridge and North Dumfries Hydro Inc.	0.9578%
2011 - 2016 03 31	Canadian Niagara Power Inc.	0.5110%
2011 - 2016 03 31	Centre Wellington Hydro Ltd.	0.1129%
2011 - 2016 03 31	Chapleau Public Utilities Corporation	0.0379%
2011 - 2016 03 31	COLLUS PowerStream Corp.	0.2858%
2011 - 2016 03 31	Cooperative Hydro Embrun Inc.	0.0494%
2011 - 2016 03 31	E.L.K. Energy Inc.	0.2270%
2011 - 2016 03 31	Enersource Hydro Mississauga Inc.	3.9265%
2011 - 2016 03 31	Entegris Powerlines Inc.	0.7226%
2011 - 2016 03 31	EnWin Utilities Ltd.	1.5542%
2011 - 2016 03 31	Erie Thames Powerlines Corporation	0.3535%
2011 - 2016 03 31	Espanola Regional Hydro Distribution Corporation	0.0821%
2011 - 2016 03 31	Essex Powerlines Corporation	0.6539%
2011 - 2016 03 31	Festival Hydro Inc.	0.3498%
2011 - 2016 03 31	Fort Albany Power Corporation	0.0212%
2011 - 2016 03 31	Fort Frances Power Corporation	0.0995%
2011 - 2016 03 31	Greater Sudbury Hydro Inc.	1.0276%
2011 - 2016 03 31	Grimsby Power Incorporated	0.2279%
2011 - 2016 03 31	Guelph Hydro Electric Systems Inc.	0.8983%
2011 - 2016 03 31	Haldimand County Hydro Inc.	0.4244%
2011 - 2016 03 31	Halton Hills Hydro Inc.	0.5475%

2011 - 2016 03 31	Hearst Power Distribution Company Limited	0.0667%
2011 - 2016 03 31	Horizon Utilities Corporation	4.0429%
2011 - 2016 03 31	Hydro 2000 Inc.	0.0390%
2011 - 2016 03 31	Hydro Hawkesbury Inc.	0.1394%
2011 - 2016 03 31	Hydro One Brampton Networks Inc.	2.8180%
2011 - 2016 03 31	Hydro One Networks Inc.	29.9788%
2011 - 2016 03 31	Hydro Ottawa Limited	5.5954%
2011 - 2016 03 31	InnPower Corporation	0.3951%
2011 - 2016 03 31	Kashechewan Power Corporation	0.0286%
2011 - 2016 03 31	Kenora Hydro Electric Corporation Ltd.	0.0989%
2011 - 2016 03 31	Kingston Hydro Corporation	0.5014%
2011 - 2016 03 31	Kitchener-Wilmot Hydro Inc.	1.6310%
2011 - 2016 03 31	Lakefront Utilities Inc.	0.1907%
2011 - 2016 03 31	Lakeland Power Distribution Ltd.	0.2906%
2011 - 2016 03 31	London Hydro Inc.	2.7308%
2011 - 2016 03 31	Midland Power Utility Corporation	0.1196%
2011 - 2016 03 31	Milton Hydro Distribution Inc.	0.5695%
2011 - 2016 03 31	Newmarket-Tay Power Distribution Ltd.	0.6607%
2011 - 2016 03 31	Niagara Peninsula Energy Inc.	0.9945%
2011 - 2016 03 31	Niagara-on-the-Lake Hydro Inc.	0.1586%
2011 - 2016 03 31	Norfolk Power Distribution Inc.	0.3495%
2011 - 2016 03 31	North Bay Hydro Distribution Limited	0.5333%
2011 - 2016 03 31	Northern Ontario Wires Inc.	0.1061%
2011 - 2016 03 31	Oakville Hydro Electricity Distribution Inc.	1.4632%
2011 - 2016 03 31	Orangeville Hydro Limited	0.2120%
2011 - 2016 03 31	Orillia Power Distribution Corporation	0.2722%
2011 - 2016 03 31	Oshawa PUC Networks Inc.	1.2283%
2011 - 2016 03 31	Ottawa River Power Corporation	0.1974%
2011 - 2016 03 31	Peterborough Distribution Incorporated	0.7132%
2011 - 2016 03 31	PowerStream Inc.	6.6383%
2011 - 2016 03 31	PUC Distribution Inc.	0.8687%
2011 - 2016 03 31	Renfrew Hydro Inc.	0.0775%
2011 - 2016 03 31	Rideau St. Lawrence Distribution Inc.	0.1120%
2011 - 2016 03 31	Sioux Lookout Hydro Inc.	0.0841%
2011 - 2016 03 31	St. Thomas Energy Inc.	0.2939%
2011 - 2016 03 31	Thunder Bay Hydro Electricity Distribution Inc.	0.8738%
2011 - 2016 03 31	Tillsonburg Hydro Inc.	0.1280%
2011 - 2016 03 31	Toronto Hydro-Electric System Limited	12.7979%
2011 - 2016 03 31	Veridian Connections Inc.	2.3525%
2011 - 2016 03 31	Wasaga Distribution Inc.	0.1799%
2011 - 2016 03 31	Waterloo North Hydro Inc.	1.0019%
2011 - 2016 03 31	Welland Hydro-Electric System Corp.	0.3879%
2011 - 2016 03 31	Wellington North Power Inc.	0.0632%
2011 - 2016 03 31	West Coast Huron Energy Inc.	0.0653%
2011 - 2016 03 31	Westario Power Inc.	0.5411%
2011 - 2016 03 31	Whitby Hydro Electric Corporation	0.8651%
2011 - 2016 03 31	Woodstock Hydro Services Inc.	0.2548%

Results can be allocated based on average of 2008 & 2009 residential throughput for each LDC (below) when additional information is not available. Source: OEB Yearbook Data 2008 & 2009

# Program Participation & Cost Report

## Glossary

#	Term	Definition
1	2011-2014+2015 Extension Legacy Framework Programs	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.
2	2015-2020 Conservation First Framework Programs	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.
3	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.
4	Allocated Budget	Each LDC's assigned portion of the Province's \$ 1.835 billion CDM Plan Budget of the 2015-2020 Conservation First Framework.
5	Province-Wide Program	Programs available to all LDCs to deliver and that are consistent across the province.
6	Regional Program	Programs designed by LDCs to serve their region and approved by the IESO.
7	Local Program	Programs designed by LDCs to serve their communities and approved by the IESO.
8	Pilot Program	A program pilot that may achieve energy or demand savings and is funded extraneous to an LDC's CDM Plan Budget.
9	Initiative	A Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (i.e. Retrofit, Fridge & Freezer Pickup) from the 2011-2014+2015 Extension Legacy Framework.
10	Program	A Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (i.e. Retrofit, Fridge & Freezer Pickup) from the 2015-2020 Conservation First Framework.
11	Activity	The number of projects.

12	Unit	For a specific initiative the relevant type of activity acquired in the market place (i.e. appliances picked up, projects completed, coupons redeemed).
13	Forecast	LDC's forecast of activity, savings, expenditures and cost effectiveness as indicated in each LDC's submitted CDM Plan Cost Effectiveness Tools.
14	Actual	The IESO determined final results of activity, savings, expenditures and cost effectiveness.
15	Progress	A comparison of Actuals versus Forecasts.
16	Full Cost Recovery Progress	For a given year, the percentage calculated by dividing: a) the sum of verified electricity savings for all years of the term up to and including the applicable year for all Programs that receive full cost recovery funding, by b) the Cumulative FCR Milestone, multiplied by 100%, as specified in Schedule A of the Energy Conservation Agreement.
17	Reported Savings	Savings determined by the LDC: 1) for prescriptive projects/programs: calculating quantity x prescriptive savings assumptions; and 2) for engineered or custom program projects/programs: calculated using prescribed methodologies.
18	Verified Savings	Savings determined by the IESO's evaluation, measurement and verification that may adjust reported savings by the realization rate.
19	Gross Savings	Savings determined as either: 1) program activity multiplied by per unit savings assumptions for prescriptive programs; or 2) reported savings multiplied by the realization rate for engineered or custom program streams.
20	Net Savings	The peak demand or energy savings attributable to conservation and demand management activities net of free-riders, etc.
21	Realization Rate	A comparison of observed or measured (evaluated) information to original reported savings which is used to adjust the gross savings estimates.
22	Net-to-Gross Adjustment	The ratio of net savings to gross savings, which takes into account factors such as free-ridership and spillover.
23	Free-ridership	The percentage of participants who would have implemented the program measure or practice in the absence of the program.

24	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.
25	Incremental Savings	The new resource savings attributable to activity procured in a particular reporting period based on when the savings are considered to 'start'.
26	First Year Savings	The peak demand or energy savings that occur in the year it was achieved (includes resource savings from only new program activity).
27	Annual Savings	The peak demand or energy savings that occur in a given year (includes resource savings from new program activity and resource savings persisting from previous years).
28	Demand Savings	Demand savings attributable to conservation and demand management activities.
29	Energy Savings	Energy savings attributable to conservation and demand management activities.
30	Administrative Expenses	Costs incurred in the delivery of a program related to labour, marketing, third-party expenses, value added services or other central services.
31	Participant Incentives	Costs incurred in the delivery of a program related to incenting participants to perform peak demand or energy savings.
32	Total Expenditure	The sum of Administrative Expenses and Participant Incentives
33	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.
34	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.
35	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 41  
PARTICIPATION AND COST REPORTS  
GUELPH**

# Program Participation & Cost Report

## Message from the IESO Reporting Team

The IESO is pleased to provide LDCs with the Monthly Program Participation & Cost Report.

This report is generally posted on the IESO LDC Extranet by the Friday of the week following the 15th of each month. The report provides province-wide and LDC specific program participation and costs to the extent known based on information received by the IESO from all distribution companies and IESO Value Added Service Provider.

The Monthly Program Participation & Cost Report includes preliminary, unverified results based on information received by the IESO. Upon verification of project information through the IESO Evaluation, Measurement and Verification (EM&V) process, results will be reported as 'verified'. Performance against CDM Plan information is also available in this report and is based on the LDC's approved CDM Plan as at the end of the reporting period. Where two or more LDCs have submitted a joint CDM Plan, the IESO will provide a Monthly Program Participation & Cost Report for each LDC included in the CDM Plan.

The IESO strives to improve on the current reporting processes to provide meaningful and timely information to LDCs. Your feedback is encouraged and appreciated. Should you have any feedback, questions or comments on this report please contact us at [LDC.Support@ieso.ca](mailto:LDC.Support@ieso.ca).

# Program Participation & Cost Report

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1	Cover Letter	Provides an overview of the IESO Value Added Services Report.
2	How to Use This Report	Describes the contents and structure of this report.
3	LDC Summary	A high level summary of the Program Participation & Cost Report, including: 1) Progress toward the LDC's a) Allocated 2020 Energy Savings Target; b) Allocated 2015-2020 LDC CDM Plan Budget; c) CDM Plan 2015-2020 Forecasts; 2) Annual savings and spending; 3) Annual LDC CDM Plan spending progress; 4) Graphs describing: a) Contribution to 2020 Target Achievement by program; b) Program to Date LDC CDM Plan Budget Spending by Sector; c) Annual energy savings persistence to 2020 by year; d) Allocated Target achievement progress relative to other LDCs; and e) LDC CDM Plan Budget Spending progress relative to other LDCs.
4	LDC Progress	A comprehensive report of 2015-20 conservation results including: 1) Activity; 2) Savings including: a) Net Energy; b) CDM Plan forecasts, verified actuals and relative progress; c) Allocated Target and Target achievement; and 3) Spending, including participant incentives and administrative expenses.
5	Province-Wide Summary	A high level summary of the Program Participation & Cost Report, including: 1) Progress toward the Province's a) Allocated 2020 Energy Savings Target; b) Allocated 2015-2020 LDC CDM Plan Budget; c) Savings and Spending 2015-2020 Forecasts; 2) Centrally Delivered Spending and Budget 3) LDCs who are forecasted to be over 2015-2020 allocated budget
6	Province-Wide Progress	A comprehensive report of 2015-20 conservation results including: 1) Activity; 2) Savings including: a) Net Energy; b) CDM Plan forecasts, verified actuals and relative progress; c) Allocated Target and Target achievement; and 3) Spending, including participant incentives and administrative expenses.
7	IESO VAS and CD Costs	Insight into the spending and savings of Centrally Delivered Programs and non-program related items.
8	Retrofit Multi-Site Applications	Provision of the LDCs and the Province-Wide aggregated Multi-Site Application activity and costs for each year of the Save on Energy Retrofit Program.
9	Methodology	Description of the methods used to calculate energy savings, financial results and cost-effectiveness.
10	Reference Tables	Consumer Program Province-Wide results allocation to specific LDCs.
11	Glossary	Definitions for the terms used throughout this report.



# Program Participation & Cost Report

## How to Use This Report

The IESO is pleased to provide you with the Monthly Participation and Cost Report.

This report provides:

- 1) program participation;
- 1) electricity savings; and
- 2) costs

to the extent known based on information received by the IESO in accordance with Section 9.2(c)(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 savings;
  - b) allocated target, target achievement and progress towards target;
  - c) incremental net first year energy savings;
  - and where available reported by: i) forecasts; ii) unverified and 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 for each cost: i) forecasts; ii) unverified and verified actuals; and iii) progress (forecast vs actuals);

by both the LDC specific level and the province-wide aggregated level.

This report's format 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 results categories listed above have been grouped together for easy accessibility.

	+	+	+	+	+	+	
L	AD	AW	CD	CV	DA	DF	DI
	Detail >	Detail >	Date >	Date >	Date >	Date >	

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;
  - will not be available for the 2015 program year in this report but will be provided to LDCs once available.
- 2) forecasts of: a) activity; b) savings; and c) spending; included in this report are based on LDC submitted and IESO approved CDM Plan - Cost Effectiveness Tools as of the end of the reporting month.
  - (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 funded program savings. In future reports, any Pay-for-Performance funded programs will be reported as a separate line item.
- 4) The complete list of programs and pilots launched into market in 2015 has been included, however no programs and pilots were in market for a sufficient period of time to enable a valid EM&V process. Therefore these programs and pilots have nothing to report at this time and have cells greyed out rather than reporting zero savings or spending. Any results in 2015 will be determined in a subsequent EM&V process and will be included in a future year's Annual Verified Results Report as a 2015 adjustment;
- 5) Pilot program savings are attributed to the LDC where the pilot program project is located in; and
- 6) This Monthly Participation and Cost Report provides results for the LDC and province only. No aggregated reporting is provided for LDCs that are part of a joint CDM plan;

# Program Participation & Cost Report Summary

**Guelph Hydro Electric Systems Inc.**  
**As of: 15-Apr-19**

	<b>CDM Plan</b>	<b>vs</b>	<b>Allocated</b>	<b>Paid Pre-Funding</b>
CFF Target (kWh):	99,040,004		99,035,079	
CFF Budget:	\$23,679,849		\$24,920,625	\$864,564

## Summary of Performance Metrics

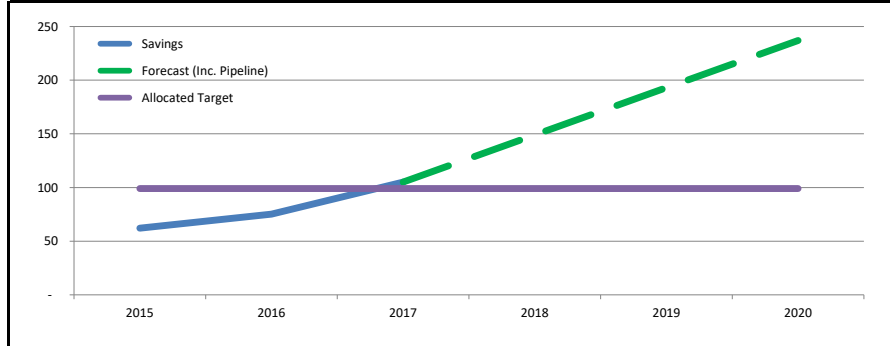
	2019 CDM Results	2019 CDM Plan %	6-year CDM Results	6-year CDM Plan %	6-year Allocated %
Net Energy Savings (kWh) as at 2020	271,427	2%	124,608,267	125.8%	125.8%
Total Actual Spending (\$)	\$ 552,796	12%	\$ 11,606,262	49.0%	46.6%
Cost-effectiveness: Total Resource Cost Test (Ratio)	2.38		3.05		
Cost-effectiveness: Program Administrator Cost Test (Ratio)	3.41		10.19		
Cost-effectiveness: Levelized Unit Electricity Cost (\$/kWh)	0.02		0.01		

## LDC Ranking in the Province out of 67

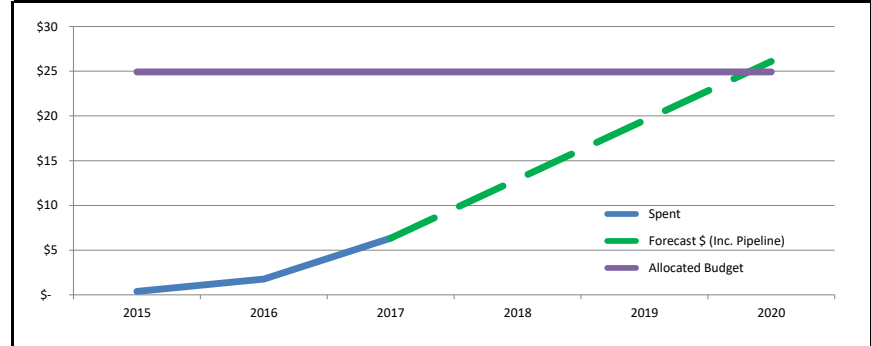
	Total % of 6-year Allocated Budget Spent	Total % of 6-year Allocated Target
This Month:	45	6
Last Month:	42	4

MTI Calculated Payout: \$ 990,351  
 2015-17 kWh & MTI Rate: 102,233,072 0.1 cents/kWh  
 Paid MTI Amount: \$ 990,351

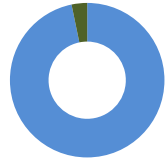
## Forecasted Savings (GWh)



## Forecasted Spending (Millions)

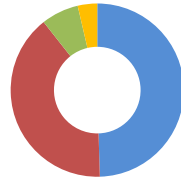


**2019 % Contribution by Program**



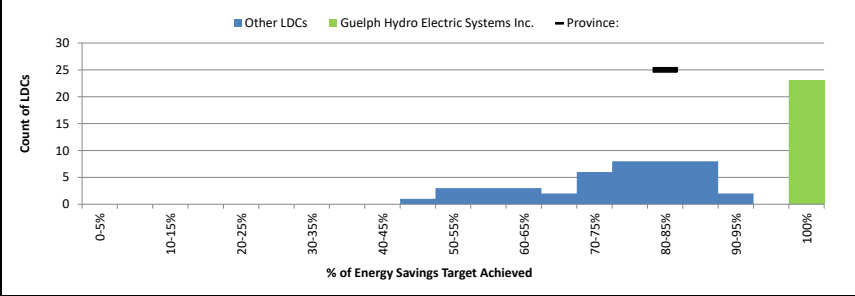
- Save on Energy Retrofit Program
- Save on Energy Heating and Cooling Program
- Save on Energy Coupon Program
- Instant Discount Program

**Framework to Date Contribution by Program**

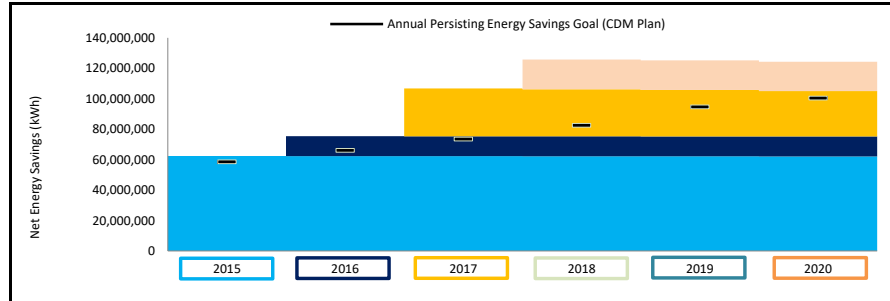


- 2011-2014 Framework
- Save on Energy Retrofit Program
- Save on Energy Coupon Program
- Instant Discount Program

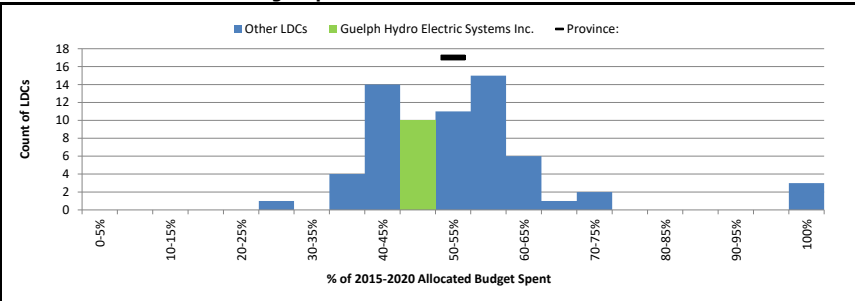
**% of 2015-2020 Allocated Energy Savings Target Achieved**



**Persisting Energy Savings by Year**



**% of 2015-2020 Allocated Budget Spent**



<b>Guelph Hydro Electric Systems Inc.</b>		<b>2019 CDM Plan Forecast</b>		<b>6-year CDM Plan Forecast</b>	
<b>As of:</b>	15-Apr-19	<b>% kWh Target</b>	<b>% Budget Spent</b>	<b>% kWh Target</b>	<b>% Budget Spent</b>
<b>Program</b>					
Residential (Province-Wide)	Save on Energy Coupon Program	0%	11%	117%	83%
	Save on Energy Heating and Cooling Program	2%	29%	100%	86%
	Save on Energy Home Assistance Program	0%	0%	28%	33%
	Save on Energy Instant Discount Program				
	Save on Energy New Construction Program	0%	5%	3%	32%
	Save on Energy Smart Thermostat Program				
	Save on Energy Whole Home Program	0%	0%	8%	0%
<b>Residential Programs Total</b>		<b>0%</b>	<b>22%</b>	<b>121%</b>	<b>86%</b>
Non-Residential (Province-Wide)	Save on Energy Audit Funding Program	0%	2%	0%	39%
	Save on Energy Retrofit Program	13%	16%	305%	45%
	Save on Energy Retrofit Program - P4P				
	Save on Energy Retrofit Program Enabled Savings				
	Save on Energy Small Business Lighting Program	0%	42%	106%	110%
	Save on Energy Business Refrigeration Program	0%	3%	0%	8%
	Save on Energy Energy Performance Program				
	Save on Energy Existing Building Commissioning Program	0%	66214%	0%	696919%
	Save on Energy High Performance New Construction Program	0%	3%	56%	53%
	Save on Energy High Performance New Construction Program Enabled Savings				
	Save on Energy Process & Systems Upgrades Program	0%	0%	0%	15%
	Save on Energy Process & Systems Upgrades Program - P4P				
	Save on Energy Process & Systems Upgrades Program Enabled Savings				
	Save on Energy Energy Manager Program	0%	212907%	174%	1085570%
Save on Energy Monitoring & Targeting Program	0%	9%	0%	60%	
<b>Non-Residential Programs Total</b>		<b>3%</b>	<b>10%</b>	<b>205%</b>	<b>42%</b>
< Local LDC Programs	<b>Local LDC Programs Total</b>				
< LDC Innovation	<b>LDC Innovation Pilots Total</b>				
<b>Target Gap</b>					
<b>Non-Approved Program</b>					
<b>Unassigned Program</b>					
<b>Energy Savings from 2011-2014 Framework</b>				<b>103%</b>	
<b>TOTAL Conservation First (CDM Plan Forecast)</b>		<b>2%</b>	<b>12%</b>	<b>126%</b>	<b>49%</b>
<b>TOTAL Conservation First (Target and Budget Allocation)</b>				<b>126%</b>	<b>47%</b>

Count  
(Incremental)

		^ By Month						Energy Savings (Incremental)	Energy Savings (Persisting to 2020)	2019 Incentive Budget
YTD	PTD	2015 Year to Date	2016 Year to Date	2017 Year to Date	2018 Unverified Year to Date	2019 Unverified Year to Date	Program to Date			
% Total	% Total	kWh	kWh	kWh	kWh	kWh	kWh			
0%	7%	818,697	4,147,777	4,202,261			9,168,735		\$ 183,489	
3%	3%	276,373	1,342,910	1,054,064	559,079	8,820	3,241,246		\$ 632,408	
0%	0%			145,140			145,140		-	
0%	4%			3,777,549	1,619,123		5,396,672		-	
0%	0%	30,500					30,500		\$ 133,209	
0%	0%			28,867	155,650		184,517		\$ 50,000	
0%	0%			120,265			120,265		-	
3%	14%	1,125,570	5,490,687	9,328,146	2,333,852	8,820	18,287,075		\$ 999,105	
0%	0%								\$ 50,000	
97%	37%	1,631,658	7,236,281	21,431,341	16,788,509	262,607	47,350,396		\$ 850,000	
0%	0%								-	
0%	0%	155,466					155,466		-	
0%	0%				408,576		408,576		\$ 81,112	
0%	0%								\$ 45,572	
0%	0%			577,329			577,329		-	
0%	0%								-	
0%	0%	125,896	342,665	72,721			541,282		\$ 32,993	
0%	0%								-	
0%	0%								\$ 95,000	
0%	0%								-	
0%	0%								-	
0%	0%		835	6,141			6,976		-	
0%	0%								\$ 20,000	
97%	39%	1,913,020	7,579,781	22,087,532	17,197,085	262,607	49,040,024		\$ 1,174,677	
0%	0%								-	
0%	0%		708				708		-	
									\$ -	
									\$ -	
0%	47%	59,318,783					59,318,783			
100%	100%	62,357,373	13,071,176	31,415,678	19,530,936	271,427	126,646,591		\$ 2,173,783	

^ By Month		^ By Month							
2019 Year to Date Incentive Actual		2019 Admin Budget		2019 Year to Date Admin Actual		2019 Total Budget		2019 Year to Date Total Actual	
-		\$ 133,540		\$ 23,790		\$ 217,219		\$ 23,790	
\$ 100,150		\$ 66,321		\$ 19,225		\$ 416,250		\$ 119,375	
-		-		-		\$ 109,284		-	
\$ 20,130		-		\$ 843		-		\$ 20,973	
-		\$ 44,000		\$ 4,286		\$ 93,162		\$ 4,286	
\$ 12,550		\$ 31,930		\$ 1,255		-		\$ 13,805	
-		-		-		\$ (1)		-	
<b>\$ 132,830</b>		<b>\$ 275,791</b>		<b>\$ 49,400</b>		<b>\$ 835,915</b>		<b>\$ 182,230</b>	
-		\$ 68,500		\$ 1,686		\$ 111,300		\$ 1,686	
\$ 210,491		\$ 660,000		\$ 106,785		\$ 1,946,069		\$ 317,276	
-		-		-		-		-	
-		-		-		-		-	
\$ 25,514		\$ 275,830		\$ 6,544		\$ 77,223		\$ 32,057	
-		\$ 33,000		\$ 3,169		\$ 106,572		\$ 3,169	
-		-		-		-		-	
-		-		\$ 662		\$ 1		\$ 662	
-		\$ 34,500		\$ 1,994		\$ 78,204		\$ 1,994	
-		-		-		-		-	
-		\$ 60,000		\$ 7,570		\$ 1,533,453		\$ 7,570	
-		-		-		-		-	
-		-		-		-		-	
-		\$ 350,000		\$ 2,129		\$ 1		\$ 2,129	
-		\$ 29,000		\$ 4,022		\$ 47,000		\$ 4,022	
<b>\$ 236,005</b>		<b>\$ 1,510,830</b>		<b>\$ 134,561</b>		<b>\$ 3,899,823</b>		<b>\$ 370,567</b>	
-		-		-		-		-	
-		-		-		-		-	
						\$ -			
-		\$ -		-		\$ (2)		-	
		\$ -				\$ 297,791			
<b>\$ 368,835</b>		<b>\$ 1,786,621</b>		<b>\$ 183,961</b>		<b>\$ 4,735,735</b>		<b>\$ 552,796</b>	

Spending (Year to Date)	Spending (Program to Date)	Cost Effectiveness (Year to Date)	Cost Effectiveness (Program to Date)



# Province Wide Dashboard

## High Level Summary

as of: 15-Apr-19

### LDCs and IESO Centrally Delivered

6.06 TWh achieved to date. 82% of allocated target and 16% ahead of CDM plans.

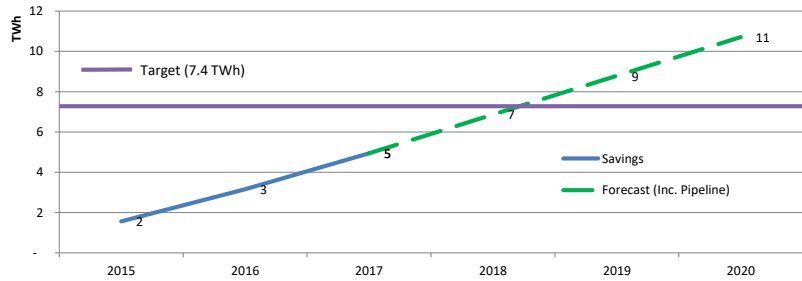
\$1268.1 million spent to date. 52% of allocated budget and 19% behind CDM plans.

### IAP

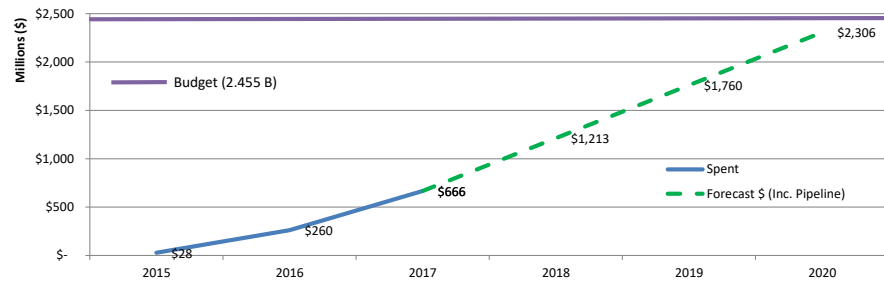
0.42 TWh achieved to date. 32% of allocated target.

\$69.3 million spent to date. 27% of allocated budget.

Savings Summary (LDCs and IESO Centrally Delivered)



Spending Summary (LDCs and IESO Centrally Delivered)



LDCs Forecasted Spending in millions at 2020 (excluding First Nations)

	Allocated	Forecast	%
1 Milton Hydro Distribution Inc.	\$11.91	\$19.03	160%
2 Halton Hills Hydro Inc.	\$8.39	\$11.99	143%
3 EnWin Utilities Ltd.	\$38.42	\$48.31	126%
4 Tillsonburg Hydro Inc.	\$2.88	\$2.89	100%
5 Northern Ontario Wires Inc.	\$1.17	\$1.45	123%
6 Essex Powerlines Corporation	\$8.53	\$12.12	142%
7 Thunder Bay Hydro Electricity Distribution Inc.	\$12.93	\$20.95	162%
8 Brantford Power Inc.	\$16.55	\$17.84	108%
9 Midland Power Utility Corporation	\$2.74	\$2.57	94%
10 Orillia Power Distribution Corporation	\$4.32	\$4.46	103%
11 PUC Distribution Inc.	\$7.44	\$7.30	98%
12 London Hydro Inc.	\$51.19	\$49.80	97%
13 Hydro Ottawa Limited	\$105.24	\$92.54	88%
14 Algoma Power Inc.	\$2.11	\$1.93	92%
15 Erie Thames Powerlines Corporation	\$7.11	\$14.22	200%
16 Oakville Hydro Electricity Distribution Inc.	\$24.58	\$25.30	103%
17 Hydro One Networks Inc.	\$338.36	\$348.59	103%
18 Renfrew Hydro Inc.	\$1.07	\$1.03	96%
19 Burlington Hydro Inc.	\$25.83	\$25.77	100%

Central Services Spending in millions

	Total Actual	Budget
CFF Labour	\$2.04	\$5.40
Technical Services (to include tech reviewer)	\$36.36	\$77.40
IESO Infrastructure (IS, IT, CRM, Call Centre)	\$6.73	\$14.71
LDC Innovation Fund (Not including Whole Home)	\$13.09	\$30.64
Collaboration Fund	\$4.60	\$12.22
Capability Building, National Accounts & Energy Managers	\$4.77	\$37.03
Province Wide Marketing & Market Research	\$35.65	\$55.73
LDC Performance Incentives (MTI/ATI/ETI)	\$68.04	\$128.50
Centrally Delivered Programs Total	\$27.92	\$255.01
Centrally Delivered Provincial Total	\$199.21	\$616.64

### Assumptions

Forecast (Deal Days): Assume savings/spending for 1 event a year.  
 Pipeline: Includes discounted Retrofit data in the pipeline and all PSUP and IAP projects.  
 Forecasts are a linear based on past performance, aside from large PSUP and IAP projects.  
 Forecasts include pipeline information as well as verified and unverified data.  
 Forecasts for savings are based on a 6 years, spending is based on a 5 years (legacy extension).

<b>Province-Wide Progress</b>		<b>2019 CDM Plan Forecast</b>		<b>6-year CDM Plan Forecast</b>		<b>Count (Incremental)</b>	<b>Energy Savings (Incremental)</b>	<b>Energy Savings (Persisting to 2020)</b>	<b>Spending (Year to Date)</b>	<b>Spending (Program to Date)</b>	<b>Cost Effectiveness (Year to Date)</b>	<b>Cost Effectiveness (Program to Date)</b>	
<b>As of:</b>	15-Apr-19	<b>% kWh Target</b>	<b>% Budget Spent</b>	<b>% kWh Target</b>	<b>% Budget Spent</b>								
<b>Program</b>													
Residential (Province- Wide)	Save on Energy Coupon Program	0%	2%	136%	82%								
	Save on Energy Heating and Cooling Program	2%	23%	88%	73%								
	Save on Energy Home Assistance Program	1%	5%	58%	48%								
	Save on Energy Instant Discount Program			5307%	9325%								
	Save on Energy New Construction Program	4%	24%	33%	58%								
	Save on Energy Smart Thermostat Program	0%	45%	112%	32%								
	Save on Energy Whole Home Program	0%	0%	25%	0%								
	<b>Residential Programs Total</b>	<b>1%</b>	<b>16%</b>	<b>168%</b>	<b>83%</b>								
	Non- Residential (Province- Wide)	Save on Energy Audit Funding Program	0%	20%	56%	64%							
Save on Energy Retrofit Program		2%	35%	84%	66%								
Save on Energy Retrofit Program - P4P		0%	13%	38%	26%								
Save on Energy Retrofit Program Enabled Savings			0%	240%	0%								
Save on Energy Small Business Lighting Program		15%	32%	52%	53%								
Save on Energy Business Refrigeration Program		13%	21%	49%	44%								
Save on Energy Existing Building Commissioning Program		0%	5%	14%	34%								
Save on Energy High Performance New Construction Program		1%	24%	92%	64%								
Save on Energy High Performance New Construction Program Enabled Savings													
Save on Energy Process & Systems Upgrades Program		1%	5%	9%	21%								
Save on Energy Process & Systems Upgrades Program - P4P				152%	93%								
Save on Energy Process & Systems Upgrades Program Enabled Savings													
Save on Energy Energy Manager Program		12%	15%	68%	37%								
Save on Energy Monitoring & Targeting Program		0%	11%	2%	26%								
<b>Non-Residential Programs Total</b>		<b>2%</b>	<b>20%</b>	<b>61%</b>	<b>49%</b>								
Local LDC Programs	<b>Local LDC Programs Total</b>	<b>0%</b>	<b>15%</b>	<b>43%</b>	<b>40%</b>								
LDC Innovation	<b>LDC Innovation Pilots Total</b>	<b>0%</b>	<b>0%</b>	<b>188%</b>	<b>8%</b>								
Centrally Delivered	<b>Centrally Delivered Total</b>	<b>10%</b>		<b>9%</b>	<b>49%</b>								
<b>Target Gap</b>													
<b>Non-Approved Program</b>													
<b>Unassigned Program</b>													
<b>Energy Savings from 2011-2014 Framework</b>				<b>115%</b>									
<b>TOTAL Conservation First (CDM Plan Forecast)</b>		<b>2%</b>	<b>48%</b>	<b>82%</b>	<b>52%</b>								
<b>TOTAL Conservation First (Target and Budget Allocation)</b>				<b>82%</b>	<b>52%</b>								
<b>Industrial Accelerator</b>		<b>5%</b>	<b>27%</b>	<b>32%</b>	<b>27%</b>								



# Program Participation & Cost Report

## IESO Value Added Services Costs and Centrally Delivered Costs

### Guelph Hydro Electric Systems Inc.

Unless otherwise stated, all values are unverified

Year end adjustments for invalid coupons that didn't align with retailer sales data are done in the Decembers IESO reporting period.

\*The IESO adjusted values reported as Value Added Services Unverified Adjustments from Previous Years to discount savings reported as verified savings from previous years.

	Activity	Measures Installed	Net Incremental Energy Savings (kWh)	Administrative Expenses (Variable)	Participant Incentives	Total Value Added Services Spending	
Provincial Value Added Services Actuals for the period	Coupon Total	Measures	38,087,165	1,035,550,189	\$ 10,575,058	\$ 101,323,731	\$ 111,898,788
	Instant Discount Program to Date Total	Measures	31,123,156	629,597,669	\$ 2,242,531	\$ 53,796,834	\$ 56,039,366
	Heating and Cooling Program to Date Total	Equipment	212,703	129,777,545	\$ 2,403,050	\$ 99,195,550	\$ 101,598,600
	Smart Thermostat Program to Date Total	Equipment	21,095	6,195,178	\$ 79,405	\$ 794,050	\$ 873,455
	<b>LDC Value Added Services Provincial Total</b>			<b>1,801,120,581</b>	<b>\$ 15,300,044</b>	<b>\$ 255,110,165</b>	<b>\$ 270,410,209</b>
LDC Value Added Services Actuals for the period	Coupon Total	Measures	328,968	9,168,735	\$ 111,114	\$ 889,390	\$ 1,000,504
	Instant Discount Program to Date Total	Measures	267,532	5,396,672	\$ 19,239	\$ 461,007	\$ 480,246
	Heating and Cooling Program to Date Total	Equipment	5,202	3,241,246	\$ 63,950	\$ 1,695,500	\$ 1,759,450
	Smart Thermostat Pilot Program to Date Total	Equipment	473	184,517	\$ 2,365	\$ 23,650	\$ 26,015
	<b>LDC Value Added Services LDC Total</b>			<b>17,991,169</b>	<b>\$ 196,668</b>	<b>\$ 3,069,547</b>	<b>\$ 3,266,215</b>
Provincial Centrally Delivered Actuals for the period	CFF Labour				\$ 2,041,298	\$ 2,041,298	
	Technical Services (to include tech reviewer)				\$ 36,364,605	\$ 36,364,605	
	IESO Infrastructure (IS, IT, CRM, Call Centre)				\$ 6,729,087	\$ 6,729,087	
	LDC Innovation Fund (Not including Whole Home)				\$ 13,087,154	\$ 13,087,154	
	Collaboration Fund				\$ 4,604,611	\$ 4,604,611	
	Capability Building, National Accounts & Energy Managers				\$ 4,774,004	\$ 4,774,004	
	Province Wide Marketing & Market Research				\$ 35,652,336	\$ 35,652,336	
	LDC Performance Incentives (MTI/ATI/ETI)				\$ 68,036,082	\$ 68,036,082	
	Centrally Delivered Programs Total	161,778.2	12,529,974		\$ 23,606,155	\$ 4,313,506	\$ 27,919,661
	<b>Centrally Delivered Provincial Total</b>				<b>\$ 194,895,330</b>	<b>\$ 4,313,506</b>	<b>\$ 199,208,837</b>

# Program Participation & Cost Report

## Save on Energy Retrofit Program - Multi-Site Applications

Month

By Month

Guelph Hydro Electric Systems Inc.													
As of: 15-Apr-19													
Program		2019 Incentive Budget		2019 Year to Date Incentive Actual		2019 Admin Budget		2019 Year to Date Admin Actual		2019 Total Budget		2019 Year to Date Total Actual	
Provincial Actuals for the Period	Save on Energy Retrofit Program	\$ 64,921,809	\$ 22,884,868	\$ 35,502,389	\$ 7,362,819	\$ 86,278,803	\$ 30,247,687						
	Save on Energy Retrofit Program - P4P	\$ 25,016,698	\$ 5,484,635	\$ 19,107,840	\$ -	\$ 42,612,031	\$ 5,484,635						
	Multi-Site Applications*		\$ 2,560,615		\$ 222,980		\$ 2,783,595						
LDC Actuals for the Period	Save on Energy Retrofit Program	\$ 850,000	\$ 210,491	\$ 660,000	\$ 106,785	\$ 1,946,069	\$ 317,276						
	Save on Energy Retrofit Program - P4P	-	-	-	-	-	-						
	Multi-Site Applications*		\$ 38,280		\$ 2,415		\$ 40,695						

\*Only contains UNVERIFIED data. For MSA in final verified results please request

a complete project list by emailing LDC.Support@ieso.ca

# Program Participation & Cost Report

## Methodology

### General

All results are at the end-user level (not including transmission and distribution losses).

### Forecasting

Forecasting is a linear formulae used to predict savings and spending. Savings are based on a 72 month period, spending is based on a 60 month period because of the legacy extension year. Savings and spending are calculated the same aside from the ratio used for the denominator to determine how many more months should be projected forewords (\$ uses 60 months, kWh uses 72 months as described above).

Forecasting is calculated as follows:

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Pipeline: For Retrofit the pipeline data is based on projects not already submitted.

Pre stage application status' are discounted based on created year. If todays date less the creation data is 3 years or older, the discount rate is a random number between 99% - 100%, 2 years 92% - 100%, 1 year 70% - 100%

Discount rates were established based on an analysis conducted by the IESO including all province wide Retrofit data spanning from 2014 onward.

Retrofit Post stage applications and PSUI applications are not discounted at all.

Instant Discounts is projected forward based on 2018 results but discounted by half, then added back into the forecast.

Instant Discounts savings are expected to be reduced by half as there is only 1 event a year projected for Instant Discounts as appose to 2 that was in 2018.

Coupons Program is removed from future projections as the program is discontinued. It is then added back into the forecast similar to PSUI.

### Savings Calculations

#	Project Type	Equations
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.

### 2011-2014+2015 Extension Legacy Framework Initiatives

#	Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings	Project Count
1	saveONenergy Conservation Instant Coupon Booklet	LDC-coded coupons directly attributed to LDC. Otherwise results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year in which the coupon was redeemed.		
2	saveONenergy Bi-Annual Retailer Event	Results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year in which the event occurs.		
3	saveONenergy Appliance Retirement	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.	Savings are considered to begin in the year the appliance is picked up.		
4	saveONenergy HVAC Incentives	Results directly attributed to LDC based on customer applications and postal code.	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.	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.	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. 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)	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).	Based on project completion date. Count is based of the unit of measurement shown beside the program name. Eg Retrofit is the count of Projects.
9	saveONenergy Direct Installed Lighting	Results are directly attributed to LDC based on the LDC specified on the work order.	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 takes into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).	
10	saveONenergy New Construction and Major Renovation Incentive	Results are directly attributed to LDC based on LDC identified in the application.		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).	
11	saveONenergy Existing Building Commissioning Incentive				
12	saveONenergy Process & System Upgrades		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).	
13	saveONenergy Monitoring & Targeting	Results are directly attributed to LDC based on LDC identified in application.			
14	saveONenergy Energy Manager		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.		
14	saveONenergy Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	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				

2015-2020 Conservation First Framework Programs

#	Program	Attributing Savings to LDCs	Savings 'Start' Date	Calculating Resource Savings	Project Count
1	Save on Energy Coupon Program	LDC-coded coupons directly attributed to LDC; Otherwise results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year in which the coupon was redeemed.		
2	Save on Energy Heating and Cooling Program	Results directly attributed to LDC based on customer applications and postal code. LDCs may see additional participation, savings and spending relative to the March 2016 Value Added Services Report due to previously unassigned applications completed in 2015. Adjustments to reflect final 2015 verified participation will appear in your July 2016 Value Added Services Report to be issued on August 15, 2016	Savings are considered to begin in the year that the installation occurred.	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.	
3	Save on Energy New Construction Program	Results are directly attributed to LDC based on LDC identified in CDM LDC Report Template.	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.	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.	Savings are considered to begin in the year of the audit date.		Based on project completion date. Count is the number of line items (rows) that are entered into the "Program Activity Information" tab in the LDC Report Template.
6	Save on Energy Retrofit Program	Results are directly attributed to LDC based on LDC identified at the facility level in the saveOnEnergy CRM; Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see page for Building type to Sector mapping.	Savings are considered to begin in the year of the actual project completion date as reported in the CDM LDC Report Template	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.	Savings are considered to begin in the year of the actual project completion date. Count is based off the actual 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.		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.	Based on project completion date. Could be a future completion date as incentives are paid before the project is completed.
9	Save on Energy Existing Building Commissioning Program				Based on project completion date. Count is the number of line items (rows) that are entered into the "Program Activity Information" tab in the LDC Report Template.
10	Save on Energy Process and Systems Upgrades Program	Results are directly attributed to LDC based on LDC identified in application.	Savings are considered to begin in the year in which the project was in-service.		
11	Save on Energy Monitoring and Targeting Program	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, no completed projects in 2011, 2012 or 2013.	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).	Based on project completion date. Could be a future completion date as incentives are paid before the project is completed.
12	Save on Energy Energy Manager Program	Results are directly attributed to LDC based on LDC identified in the application.	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	Business Refrigeration Incentive Program		Savings are considered to begin in the year in which the measures were installed.	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).	Based on project completion date. Count is the number of line items (rows) that are entered into the "Program Activity Information" tab in the LDC Report Template.
14	Social Benchmarking Program	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the report was sent.	Peak demand and energy savings are determined using the verified measure level (home) 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 (home).	
15	First Nations Conservation Program		Savings are considered to begin in the year in which the measures were installed.	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.	

IESO Value Added Services Costs

- 1) IESO Value Added Services Costs are based on activity reported as of March 31, 2016.
- 2) Save on Energy Heating & Cooling Program activity may be greater than the March 2016 IESO Value Added Services Report due to previously unassigned applications being assigned to LDCs through the Evaluation, Measurement & Verification Process based on updated applicant postal code mappings. These additional applications and costs will be reflected in the July 2016 IESO Value Added Services Report.
- 3) Future years may include adjustments to prior years based on delays of Value-Added Service report submissions to IESO from IESO Value-Added Service providers.
- 4) IESO Value Added Services costs are calculated based on the prevailing IESO Value Added Services Rates as per the applicable IESO Central Services Strategy and Rate Guideline.

# Program Participation & Cost Report

## Consumer Program Allocation Methodology

Year	Local Distribution Company	Allocation
2016 03 31 - Current	Algoma Power Inc.	0.1820%
2016 03 31 - Current	Atikokan Hydro Inc.	0.0229%
2016 03 31 - Current	Attawapiskat Power Corporation	0.0149%
2016 03 31 - Current	Bluewater Power Distribution Corporation	0.6152%
2016 03 31 - Current	Brantford Power Inc.	0.6715%
2016 03 31 - Current	Burlington Hydro Inc.	1.3392%
2016 03 31 - Current	Canadian Niagara Power Inc.	0.3472%
2016 03 31 - Current	Centre Wellington Hydro Ltd.	0.1058%
2016 03 31 - Current	Chapleau Public Utilities Corporation	0.0282%
2016 03 31 - Current	COLLUS PowerStream Corp.	0.2546%
2016 03 31 - Current	Cooperative Hydro Embrun Inc.	0.0563%
2016 03 31 - Current	E.L.K. Energy Inc.	0.2455%
2016 03 31 - Current	Energy+ Inc.	1.1217%
2016 03 31 - Current	Enersource Hydro Mississauga Inc.	4.6424%
2016 03 31 - Current	Entegrus Powerlines Inc.	0.7018%
2016 03 31 - Current	EnWin Utilities Ltd.	1.4909%
2016 03 31 - Current	Erie Thames Powerlines Corporation	0.3197%
2016 03 31 - Current	Espanola Regional Hydro Distribution Corporation	0.0637%
2016 03 31 - Current	Essex Powerlines Corporation	0.6061%
2016 03 31 - Current	Festival Hydro Inc.	0.3248%
2016 03 31 - Current	Fort Albany Power Corporation	0.0099%
2016 03 31 - Current	Fort Frances Power Corporation	0.0900%
2016 03 31 - Current	Greater Sudbury Hydro Inc.	0.7993%
2016 03 31 - Current	Grimsby Power Incorporated	0.1813%
2016 03 31 - Current	Guelph Hydro Electric Systems Inc.	0.8531%
2016 03 31 - Current	Halton Hills Hydro Inc.	0.5897%
2016 03 31 - Current	Hearst Power Distribution Company Limited	0.0510%
2016 03 31 - Current	Horizon Utilities Corporation	3.7200%
2016 03 31 - Current	Hydro 2000 Inc.	0.0394%
2016 03 31 - Current	Hydro Hawkesbury Inc.	0.1467%
2016 03 31 - Current	Hydro One Brampton Networks Inc.	3.5920%
2016 03 31 - Current	Hydro One Networks Inc.	27.2865%
2016 03 31 - Current	Hydro Ottawa Limited	6.6052%
2016 03 31 - Current	InnPower Corporation	0.3309%
2016 03 31 - Current	Kashechewan Power Corporation	0.0177%
2016 03 31 - Current	Kenora Hydro Electric Corporation Ltd.	0.0896%
2016 03 31 - Current	Kingston Hydro Corporation	0.2939%
2016 03 31 - Current	Kitchener-Wilmot Hydro Inc.	1.5077%
2016 03 31 - Current	Lakefront Utilities Inc.	0.1128%
2016 03 31 - Current	Lakeland Power Distribution Ltd.	0.2288%
2016 03 31 - Current	London Hydro Inc.	2.6114%
2016 03 31 - Current	Midland Power Utility Corporation	0.1014%
2016 03 31 - Current	Milton Hydro Distribution Inc.	0.6579%
2016 03 31 - Current	Newmarket-Tay Power Distribution Ltd.	0.5977%
2016 03 31 - Current	Niagara Peninsula Energy Inc.	0.8158%
2016 03 31 - Current	Niagara-on-the-Lake Hydro Inc.	0.1304%

2016 03 31 - Current	North Bay Hydro Distribution Limited	0.4153%
2016 03 31 - Current	Northern Ontario Wires Inc.	0.0860%
2016 03 31 - Current	Oakville Hydro Electricity Distribution Inc.	1.5097%
2016 03 31 - Current	Orangeville Hydro Limited	0.2004%
2016 03 31 - Current	Orillia Power Distribution Corporation	0.2220%
2016 03 31 - Current	Oshawa PUC Networks Inc.	1.4845%
2016 03 31 - Current	Ottawa River Power Corporation	0.1225%
2016 03 31 - Current	Peterborough Distribution Incorporated	0.4607%
2016 03 31 - Current	PowerStream Inc.	7.8184%
2016 03 31 - Current	PUC Distribution Inc.	0.6545%
2016 03 31 - Current	Renfrew Hydro Inc.	0.0477%
2016 03 31 - Current	Rideau St. Lawrence Distribution Inc.	0.0670%
2016 03 31 - Current	Sioux Lookout Hydro Inc.	0.0776%
2016 03 31 - Current	St. Thomas Energy Inc.	0.2780%
2016 03 31 - Current	Thunder Bay Hydro Electricity Distribution Inc.	0.8172%
2016 03 31 - Current	Tillsonburg Hydro Inc.	0.1169%
2016 03 31 - Current	Toronto Hydro-Electric System Limited	15.5698%
2016 03 31 - Current	Veridian Connections Inc.	2.3879%
2016 03 31 - Current	Wasaga Distribution Inc.	0.1754%
2016 03 31 - Current	Waterloo North Hydro Inc.	0.9590%
2016 03 31 - Current	Wells Hydro-Electric System Corp.	0.3103%
2016 03 31 - Current	Wellington North Power Inc.	0.0570%
2016 03 31 - Current	West Coast Huron Energy Inc.	0.0585%
2016 03 31 - Current	Westario Power Inc.	0.3654%
2016 03 31 - Current	Whitby Hydro Electric Corporation	1.1240%
2011 - 2016 03 31	Algoma Power Inc.	0.2207%
2011 - 2016 03 31	Atikokan Hydro Inc.	0.0265%
2011 - 2016 03 31	Attawapiskat Power Corporation	0.0255%
2011 - 2016 03 31	Bluewater Power Distribution Corporation	0.6460%
2011 - 2016 03 31	Brant County Power Inc.	0.1979%
2011 - 2016 03 31	Brantford Power Inc.	0.7255%
2011 - 2016 03 31	Burlington Hydro Inc.	1.3757%
2011 - 2016 03 31	Cambridge and North Dumfries Hydro Inc.	0.9578%
2011 - 2016 03 31	Canadian Niagara Power Inc.	0.5110%
2011 - 2016 03 31	Centre Wellington Hydro Ltd.	0.1129%
2011 - 2016 03 31	Chapleau Public Utilities Corporation	0.0379%
2011 - 2016 03 31	COLLUS PowerStream Corp.	0.2858%
2011 - 2016 03 31	Cooperative Hydro Embrun Inc.	0.0494%
2011 - 2016 03 31	E.L.K. Energy Inc.	0.2270%
2011 - 2016 03 31	Enersource Hydro Mississauga Inc.	3.9265%
2011 - 2016 03 31	Entegris Powerlines Inc.	0.7226%
2011 - 2016 03 31	EnWin Utilities Ltd.	1.5542%
2011 - 2016 03 31	Erie Thames Powerlines Corporation	0.3535%
2011 - 2016 03 31	Espanola Regional Hydro Distribution Corporation	0.0821%
2011 - 2016 03 31	Essex Powerlines Corporation	0.6539%
2011 - 2016 03 31	Festival Hydro Inc.	0.3498%
2011 - 2016 03 31	Fort Albany Power Corporation	0.0212%
2011 - 2016 03 31	Fort Frances Power Corporation	0.0995%
2011 - 2016 03 31	Greater Sudbury Hydro Inc.	1.0276%
2011 - 2016 03 31	Grimsby Power Incorporated	0.2279%
2011 - 2016 03 31	Guelph Hydro Electric Systems Inc.	0.8983%
2011 - 2016 03 31	Haldimand County Hydro Inc.	0.4244%
2011 - 2016 03 31	Halton Hills Hydro Inc.	0.5475%

2011 - 2016 03 31	Hearst Power Distribution Company Limited	0.0667%
2011 - 2016 03 31	Horizon Utilities Corporation	4.0429%
2011 - 2016 03 31	Hydro 2000 Inc.	0.0390%
2011 - 2016 03 31	Hydro Hawkesbury Inc.	0.1394%
2011 - 2016 03 31	Hydro One Brampton Networks Inc.	2.8180%
2011 - 2016 03 31	Hydro One Networks Inc.	29.9788%
2011 - 2016 03 31	Hydro Ottawa Limited	5.5954%
2011 - 2016 03 31	InnPower Corporation	0.3951%
2011 - 2016 03 31	Kashechewan Power Corporation	0.0286%
2011 - 2016 03 31	Kenora Hydro Electric Corporation Ltd.	0.0989%
2011 - 2016 03 31	Kingston Hydro Corporation	0.5014%
2011 - 2016 03 31	Kitchener-Wilmot Hydro Inc.	1.6310%
2011 - 2016 03 31	Lakefront Utilities Inc.	0.1907%
2011 - 2016 03 31	Lakeland Power Distribution Ltd.	0.2906%
2011 - 2016 03 31	London Hydro Inc.	2.7308%
2011 - 2016 03 31	Midland Power Utility Corporation	0.1196%
2011 - 2016 03 31	Milton Hydro Distribution Inc.	0.5695%
2011 - 2016 03 31	Newmarket-Tay Power Distribution Ltd.	0.6607%
2011 - 2016 03 31	Niagara Peninsula Energy Inc.	0.9945%
2011 - 2016 03 31	Niagara-on-the-Lake Hydro Inc.	0.1586%
2011 - 2016 03 31	Norfolk Power Distribution Inc.	0.3495%
2011 - 2016 03 31	North Bay Hydro Distribution Limited	0.5333%
2011 - 2016 03 31	Northern Ontario Wires Inc.	0.1061%
2011 - 2016 03 31	Oakville Hydro Electricity Distribution Inc.	1.4632%
2011 - 2016 03 31	Orangeville Hydro Limited	0.2120%
2011 - 2016 03 31	Orillia Power Distribution Corporation	0.2722%
2011 - 2016 03 31	Oshawa PUC Networks Inc.	1.2283%
2011 - 2016 03 31	Ottawa River Power Corporation	0.1974%
2011 - 2016 03 31	Peterborough Distribution Incorporated	0.7132%
2011 - 2016 03 31	PowerStream Inc.	6.6383%
2011 - 2016 03 31	PUC Distribution Inc.	0.8687%
2011 - 2016 03 31	Renfrew Hydro Inc.	0.0775%
2011 - 2016 03 31	Rideau St. Lawrence Distribution Inc.	0.1120%
2011 - 2016 03 31	Sioux Lookout Hydro Inc.	0.0841%
2011 - 2016 03 31	St. Thomas Energy Inc.	0.2939%
2011 - 2016 03 31	Thunder Bay Hydro Electricity Distribution Inc.	0.8738%
2011 - 2016 03 31	Tillsonburg Hydro Inc.	0.1280%
2011 - 2016 03 31	Toronto Hydro-Electric System Limited	12.7979%
2011 - 2016 03 31	Veridian Connections Inc.	2.3525%
2011 - 2016 03 31	Wasaga Distribution Inc.	0.1799%
2011 - 2016 03 31	Waterloo North Hydro Inc.	1.0019%
2011 - 2016 03 31	Welland Hydro-Electric System Corp.	0.3879%
2011 - 2016 03 31	Wellington North Power Inc.	0.0632%
2011 - 2016 03 31	West Coast Huron Energy Inc.	0.0653%
2011 - 2016 03 31	Westario Power Inc.	0.5411%
2011 - 2016 03 31	Whitby Hydro Electric Corporation	0.8651%
2011 - 2016 03 31	Woodstock Hydro Services Inc.	0.2548%

Results can be allocated based on average of 2008 & 2009 residential throughput for each LDC (below) when additional information is not available. Source: OEB Yearbook Data 2008 & 2009

# Program Participation & Cost Report

## Glossary

#	Term	Definition
1	2011-2014+2015 Extension Legacy Framework Programs	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.
2	2015-2020 Conservation First Framework Programs	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.
3	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.
4	Allocated Budget	Each LDC's assigned portion of the Province's \$ 1.835 billion CDM Plan Budget of the 2015-2020 Conservation First Framework.
5	Province-Wide Program	Programs available to all LDCs to deliver and that are consistent across the province.
6	Regional Program	Programs designed by LDCs to serve their region and approved by the IESO.
7	Local Program	Programs designed by LDCs to serve their communities and approved by the IESO.
8	Pilot Program	A program pilot that may achieve energy or demand savings and is funded extraneous to an LDC's CDM Plan Budget.
9	Initiative	A Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (i.e. Retrofit, Fridge & Freezer Pickup) from the 2011-2014+2015 Extension Legacy Framework.
10	Program	A Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (i.e. Retrofit, Fridge & Freezer Pickup) from the 2015-2020 Conservation First Framework.
11	Activity	The number of projects.



12	Unit	For a specific initiative the relevant type of activity acquired in the market place (i.e. appliances picked up, projects completed, coupons redeemed).
13	Forecast	LDC's forecast of activity, savings, expenditures and cost effectiveness as indicated in each LDC's submitted CDM Plan Cost Effectiveness Tools.
14	Actual	The IESO determined final results of activity, savings, expenditures and cost effectiveness.
15	Progress	A comparison of Actuals versus Forecasts.
16	Full Cost Recovery Progress	For a given year, the percentage calculated by dividing: a) the sum of verified electricity savings for all years of the term up to and including the applicable year for all Programs that receive full cost recovery funding, by b) the Cumulative FCR Milestone, multiplied by 100%, as specified in Schedule A of the Energy Conservation Agreement.
17	Reported Savings	Savings determined by the LDC: 1) for prescriptive projects/programs: calculating quantity x prescriptive savings assumptions; and 2) for engineered or custom program projects/programs: calculated using prescribed methodologies.
18	Verified Savings	Savings determined by the IESO's evaluation, measurement and verification that may adjust reported savings by the realization rate.
19	Gross Savings	Savings determined as either: 1) program activity multiplied by per unit savings assumptions for prescriptive programs; or 2) reported savings multiplied by the realization rate for engineered or custom program streams.
20	Net Savings	The peak demand or energy savings attributable to conservation and demand management activities net of free-riders, etc.
21	Realization Rate	A comparison of observed or measured (evaluated) information to original reported savings which is used to adjust the gross savings estimates.
22	Net-to-Gross Adjustment	The ratio of net savings to gross savings, which takes into account factors such as free-ridership and spillover.
23	Free-ridership	The percentage of participants who would have implemented the program measure or practice in the absence of the program.

24	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.
25	Incremental Savings	The new resource savings attributable to activity procured in a particular reporting period based on when the savings are considered to 'start'.
26	First Year Savings	The peak demand or energy savings that occur in the year it was achieved (includes resource savings from only new program activity).
27	Annual Savings	The peak demand or energy savings that occur in a given year (includes resource savings from new program activity and resource savings persisting from previous years).
28	Demand Savings	Demand savings attributable to conservation and demand management activities.
29	Energy Savings	Energy savings attributable to conservation and demand management activities.
30	Administrative Expenses	Costs incurred in the delivery of a program related to labour, marketing, third-party expenses, value added services or other central services.
31	Participant Incentives	Costs incurred in the delivery of a program related to incenting participants to perform peak demand or energy savings.
32	Total Expenditure	The sum of Administrative Expenses and Participant Incentives
33	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.
34	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.
35	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 42**  
**2018 ALECTRA UTILITIES**  
**CDM SAVINGS**









**Table 3 GRZ Energy Savings Breakdown- Participation and Cost Report**  
**Sum of Net Energy**

Rate Zone	Program Name	Funding Mechanism	GS 1000 - 4999 kW	Residential	GS<50 kW	GS 50 - 999 kW	Large Use	Grand Total
GRZ	Heating and Cooling Program	FCR		547,897	11,182			559,079
	Instant Discount Program	FCR		1,619,123				1,619,123
	Retrofit	FCR	6,547,519		503,655	6,043,863	3,525,587	16,620,624
	Small Business Lighting Program	FCR			385,450	16,220		401,671
	Smart Thermostat Program	FCR		155,650				155,650
GRZ Total			6,547,519	2,322,670	900,287	6,060,084	3,525,587	19,356,146
Grand Total			6,547,519	2,322,670	900,287	6,060,084	3,525,587	19,356,146

**Table 4 GRZ Demand Savings Breakdown- Participation and Cost Report**  
**Sum of Net Demand**

Rate Zone	Program Name	Funding Mechanism	GS 1000 - 4999 kW	Residential	GS<50 kW	GS 50 - 999 kW	Large Use	Grand Total
GRZ	Heating and Cooling Program	FCR						
	Instant Discount Program	FCR						
	Retrofit	FCR	881		68	813	474	2,236
	Small Business Lighting Program	FCR			153	6		160
	Smart Thermostat Program	FCR						
GRZ Total			881		221	820	474	2,396
Grand Total			881		221	820	474	2,396



**ATTACHMENT 43**  
**INDECO STRATEGIC CONSULTING INC.**  
**LRAM REVIEW LETTER**



IndEco Strategic Consulting Inc.

300 - 192 Spadina Ave.  
Toronto, ON  
Canada M5T 2C2

888 463 3261

indecocom

August 7, 2020

Indy Butany-DeSouza  
Alectra Utilities  
2185 Derry Rd. W.  
Mississauga, ON, L5N 7A6

Dear Mrs Butany-DeSouza,

Alectra Utilities engaged IndEco Strategic Consulting to review the Alectra Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) work forms to be submitted as part of your 2021 rates application to the Ontario Energy Board (OEB).

I have reviewed the workforms for the five rate zones for compliance with OEB expectations, as provided in the LRAMVA Guidance document, the instructions on the OEB's workform template, the 2021 Chapter 3 filing requirements, and methodologies previously approved by the OEB. My review focused on the following items:

- Consistency of values reported with IESO final evaluation reports and the April 2019 Participation and Costs report
- Consistency with OEB approved rates, LRAMVA thresholds and interest rates for carrying charges
- The methodology and sources adopted by Alectra to address savings realized subsequent to the April 2019 Participation and Costs report
- The way that the workform addresses projects not adequately addressed by the IESO reports, including street lighting projects and combined heat and power projects
- The allocation of savings across rate zones and rate classes
- The accuracy of the calculations undertaken within the workform and in the documents used to support the workform.

Where I have identified issues, these have been addressed by Alectra Utilities, and I am confident the final LRAMVA workforms meet Ontario Energy Board requirements for LRAMVA claims.



Indy Butany-DeSouza  
August 7, 2020  
Page 2 of 2

Should you have any questions about this review, please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink that reads "David W. Heeney". The signature is fluid and cursive.

David Heeney  
CEO & Founder  
416 204-0356  
dheeney@indecocom

# **ATTACHMENT 44 IRM CHECKLIST**

# 2021 IRM Checklist

## Alectra Utilities Corporation

### EB-2020-0002

Filing Requirement  
Page # Reference

Date: August 17, 2020

<b>IRM REQUIREMENTS</b>		<b>Evidence Reference, Notes</b>
<b>3.1.2 Components of the Application Filing</b>		
3	Manager's summary documenting and explain all rate adjustments requested	Exhibit 3, Tab 1, Schedule 1 pp. 1-7
4	Contact info - primary contact may be a person within the applicant's organization other than the primary license contact	Exhibit 1, Tab 1, Schedule 2, p. 3
4	Completed Rate Generator Model and supplementary work forms, Excel and PDF	Exhibit 4, Tab 1, Schedule 1, Attach 1-43
4	Current tariff sheet, PDF	Exhibit 4, Tab 1, Schedule 1, Attach 8-12
4	Supporting documentation (e.g. relevant past decisions, RRWF etc.)	Exhibit 3, Tab 1, Schedule 1
4	Statement as to who will be affected by the application, specific customer groups affected by particular request	Exhibit 3, Tab 1, Schedule 1 p.1
4	Applicant's internet address	Exhibit 1, Tab 1, Schedule 2, p. 3
4	Statement confirming accuracy of billing determinants pre-populated in model	Exhibit 3, Tab 1, Schedule 7, pp. 6, 16, 26, 35, 44
4	Text searchable PDF format for all documents	Yes
4	An Excel version of the IRM Checklist	Exhibit 4, Tab 1, Attach 44
<b>3.1.3 Applications and Electronic Models</b>		
5	Populated GA Analysis Workform	Exhibit 4, Tab 1, Attach 24-28
5	If required, for distributors seeking revenue to cost ratio adjustments due to previous OEB decision, the Revenue to Cost Ratio Adjustment Workform must be filed	N/A
5	For an incremental or pre-approved advanced capital module (ICM/ACM) cost recovery and associated rate rider(s), a distributor must file the Capital Module Applicable to ACM and ICM	Exhibit 4, Tab 1, Attach 2, 5
5	A distributor seeking to dispose of lost revenue amounts from conservation and demand management activities, during an IRM term, must file the Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) Workform	Exhibit 4, Tab 1, Attach 35-39
5	Account 1595 Analysis Workform - for distributors who meet the requirements for disposition of residual balances in 1595 sub-accounts	Exhibit 4, Tab 1, Attach 29-31
<b>3.2.2 Revenue to Cost Ratio Adjustments</b>		
7	Completed revenue-to-cost ratio adjustment workform to adjust the revenue-to-cost ratio if previously approved by the OEB	N/A
<b>3.2.3 Rate Design for Residential Electricity Customers</b>		
<i>Residential Rate Design - Exceptions and Mitigation (applicable only to distributors that have not completed the rate design transition)</i>		
7	If the total bill impact of the elements proposed in the application is 10% or greater for RPP customers consuming at the 10th percentile, a distributor must file a plan to mitigate the impact for the whole residential class or indicate why such a plan is not required	N/A
7	Mitigation plan if total bill increases for any customer class exceed 10%	N/A
<b>3.2.4 Electricity Distribution Retail Transmission Service Rates</b>		
<b>3.2.5 Review and Disposition of Group 1 DVA Balances</b>		
9	Justification if any account balance in excess of the threshold should not be disposed	N/A
10	Completed tab 3 - continuity schedule in Rate Generator Model	Yes
10 - 11	Explanation of variance between amounts proposed for disposition and amounts reported in RRR for each account	Exhibit 3, Tab 1, Schedule 7, pp. 6, 16, 26, 35, 44
10 - 11	Statement as to whether any adjustments have been made to balances previously approved by the OEB on a final basis If yes, explanations provided for the nature and amounts of the adjustments and supporting documentation under a section titled "Adjustments to Deferral and Variance Accounts"	Exhibit 3, Tab 1, Schedule 8
11	Propose rate riders for recovery or refund of balances that are proposed for disposition. The default disposition period is one year; if the applicant is proposing an alternative recovery period must provide explanation.	Exhibit 3, Tab 1, Schedule 7, pp. 11, 21, 31, 40, 49
12	GA rate riders calculated on an energy basis (kWh)	Exhibit 3, Tab 1, Schedule 7, pp. 11, 21, 31, 40, 49
<b>3.2.5.1 Wholesale Market Participants</b>		
11	Establish separate rate riders to recover balances in the RSVA's from Market Participants who must not be allocated the RSVA balances related to charges for which the WMP's settle directly with the IESO.	Exhibit 3, Tab 1, Schedule 7, pp. 11, 21, 31, 40, 49
<b>3.2.5.2 Global Adjustment</b>		
12	Establishment of a separate rate rider included in the delivery component of the bill that would apply prospectively to Non-RPP Class B customers when clearing balances from the GA Variance Account	Exhibit 3, Tab 1, Schedule 7, pp. 11, 21, 31, 40, 49
12 - 13	For each year that the accumulated balance of Account 1589 has not been disposed, regardless of whether or not distributors are seeking disposition of Group 1 accounts in the current proceeding, all distributors are required to file the GA Analysis Workform in live Excel format and explain discrepancies.	Exhibit 4, Tab 1, Attach 24-28
<b>3.2.5.3 Commodity Accounts 1588 and 1589</b>		
13	Confirm as part of its application that it has fully implemented the OEB's February 21, 2019 guidance effective from January 1, 2019.	Exhibit 3, Tab 1, Schedule 7, p.1
13 - 14	Confirmation that historical balances that have yet to be disposed on a final basis have been considered in the context of the Feb. 21, 2019 accounting guidance, and provide a summary of the review performed. Distributors must also discuss the results of review, whether any systemic issues were noted, and whether any material adjustments to the account balances have been recorded. A summary and description of each adjustment made to the historical balances must be provided in the application.	Exhibit 3, Tab 1, Schedule 7, pp. 1-4

## 2021 IRM Checklist

### Alectra Utilities Corporation

#### EB-2020-0002

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Date: August 17, 2020

IRM REQUIREMENTS		Evidence Reference, Notes
15	Certification by the CEO, CFO or equivalent that distributor has robust processes and internal controls in place for the preparation, review, verification and oversight of account balances being proposed for disposition	Exhibit 1, Tab 1, Schedule 3
<b>3.2.5.4 Capacity Based Recovery (CBR)</b>		
15	<p>Proposed disposition of Account 1580 sub-account CBR Class B in accordance with the OEB's CBR Accounting Guidance.</p> <ul style="list-style-type: none"> <li>- embedded distributors who are not charged CBR (therefore no balance in sub-account CBR Class B) must indicate this is the case for them</li> <li>- In the DVA continuity schedule, applicants must indicate whether they serve any Class A customers during the period where Account 1580 CBR Class B sub-account balance accumulated.</li> <li>- Account 1580 sub-account CBR Class A is not to be disposed through rates proceedings but rather follow the OEB's accounting guidance.</li> <li>- The DVA continuity schedule will allocate the portion of Account 1580 sub-account CBR Class B allocated to customers who transitioned between Class A and Class B based on consumption levels</li> </ul>	<p>Exhibit 4, Tab 1, Schedule 1, Attach 14-18, Tab 6.2, 6.2 a</p> <p>Exhibit 3, Tab 1, Schedule 7, pp. 8, 18, 28, 37, 46</p>
<b>3.2.6 Lost Revenue Adjustment Mechanism Variance Account</b>		
16 - 21	<p>LRAMVA - disposition of balance. Distributors must provide version 3 of LRAMVA work form in a working Excel file when making LRAMVA requests for remaining amounts related to CFF activity. An application for lost revenues should include: Participation and Cost reports in Excel format, made available by the IESO.</p> <p>An application for lost revenues should also provide the following:</p> <ul style="list-style-type: none"> <li>- statement identifying the year(s) of new lost revenues and prior year savings persistence claimed in the LRAMVA disposition</li> <li>- statement confirming LRAMVA based on verified savings results supported by the distributors final CDM Report and Persistence Savings Report (both filed in Excel format) and a statement indicating use of most recent input assumptions when calculating lost revenue</li> <li>- summary table with principal and carrying charges by rate class and resulting rate riders</li> <li>- statement providing the disposition period; rationale provided for disposing the balance in the LRAMVA if one or more classes do not generate significant rate riders</li> <li>- statement confirming LRAMVA reference amounts, rationale for the distributors circumstances if LRAMVA threshold not used</li> <li>- rationale confirming how rate class allocations for actual CDM savings were determined by class and program (Tab 3-A of LRAMVA Work Form)</li> <li>- statement confirming whether additional documentation was provided in support of projects that were not included in distributors final CDM Annual Report (Tab 8 of LRAMVA Work Form as applicable)</li> <li>- for a distributor's streetlighting project(s) which may have been completed in collaboration with local municipalities, the following must be provided: Explanation of the methodology to calculate streetlighting savings; Confirmation whether the streetlighting savings were calculated in accordance with OEB-approved load profiles for streetlighting projects; Confirmation whether the streetlighting project(s) received funding from the IESO and the appropriate net-to-gross assumption used to calculate streetlighting savings</li> </ul> <p>For the recovery of lost revenues related to demand savings from street light upgrades, distributors should provide the following information:</p> <ul style="list-style-type: none"> <li>o Explanation of the forecast demand savings from street lights, including assumptions built into the load forecast from the last CoS application</li> <li>o Confirmation that the street light upgrades represent incremental savings attributable to participation in the IESO program, and that any savings not attributable to the IESO program have been removed (for example, other upgrades under normal asset management plans)</li> <li>o Confirmation that the associated energy savings from the applicable IESO program have been removed from the LRAMVA workform so as not to double count savings (for example, if requesting lost revenue recovery for the demand savings from a street light upgrade program, the associated energy savings from the Retrofit program have been subtracted from the Retrofit total)</li> </ul>	<p>Exhibit 3, Tab 1, Schedule 10</p> <p>Exhibit 4, Tab 1, Schedule 1, Attach 35-43</p>
<b>3.2.7 Tax Changes</b>		
21	If applicable, tabs 8 and 9 of Rate Generator Model complete	N/A
21	If one or more customer classes does not generate a rate rider to the fourth decimal place, a proposal that the entire 50/50 sharing amount will be transferred to Account 1595 for disposition at a future date	N/A
<b>3.2.8 Z-Factor Claims, Pg. 20-21</b>		
23	Evidence that costs incurred meet criteria of need, materiality and prudence - see 3rd Generation IRM Report	N/A
23	<p>In addition distributor must:</p> <ul style="list-style-type: none"> <li>- Notify OEB by letter of all Z-Factor events within 6 months of event (Confirm that letter is on file)</li> <li>- Apply to OEB for any cost recovery of amounts in OEB-approved deferral account claimed under Z-Factor treatment</li> <li>- Demonstrate that distributor could not have been able to plan or budget for the event and harm caused is genuinely incremental</li> <li>- Demonstrate that costs incurred within a 12-month period and are incremental to those already being recovered in rates as part of ongoing business exposure risk</li> </ul>	N/A
<b>3.2.8.2 Z-Factor Accounting Treatment</b>		

## 2021 IRM Checklist

### Alectra Utilities Corporation

#### EB-2020-0002

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Date: August 17, 2020

IRM REQUIREMENTS		Evidence Reference, Notes
23	Eligible Z-factor cost amounts recorded in Account 1572, Extraordinary Event Costs, of the OEB's USoA contained in the Accounting Procedures Handbook (APH) for electricity distributors.	N/A
23	Carrying charges are calculated using simple interest applied to the monthly opening balances in the account and recorded in a separate Sub-Account of this account	N/A
<b>3.2.8.3 Recovery of Z-Factor Costs</b>		
24	Description of manner in which distributor intends to allocate incremental costs, including rationale for approach and merits of alternative allocation methods	N/A
24	Specification of whether rate rider(s) will apply on fixed or variable basis, or combination; length of disposition period and rationale for proposal	N/A
24	Residential rider on fixed basis	N/A
24	Detailed calculation of incremental revenue requirement and resulting rate rider(s)	N/A
<b>3.3.1 Advanced Capital Module</b>		
25	Evidence of passing "Means Test"	N/A
25	Information on relevant project or projects updated cost projections, confirmation that the project or projects are on schedule to be completed as planned and an updated ACM/ICM module in Excel format	N/A
25	If proposed recovery differs significantly from pre-approved amount, a detailed explanation is required as to why	N/A
25	If updated cost projects are 30% greater than pre-approved amount, distributor must treat project as new ICM, re-filed business case and other relevant material required	N/A
<b>3.3.2 Incremental Capital Module</b>		
<b>3.3.2.1 ICM Filing Requirements</b>		
	The following should be provided when filing for incremental capital:	
27	An analysis demonstrating that the materiality threshold test has been met and that the amounts will have a significant influence on the operation of the distributor	Exhibit 2, Tab 1, Schedule 1, pp. 1-2, 11-12
27	Justification that the amounts to be incurred will be prudent - amounts represents the most cost-effective option (but not necessarily the least initial cost) for ratepayers	Exhibit 2, Tab 1, Schedule 1, pp. 5-8, 14-15 Exhibit 4, Tab 1, Schedule 1, Attach 3, 6
27	Justification that amounts being sought are directly related to the cause, which must be clearly outside of the base upon which current rates were derived	Exhibit 2, Tab 1, Schedule 1, pp. 5-8, 14-15 Exhibit 4, Tab 1, Schedule 1, Attach 3, 6
27 - 28	Evidence that the incremental revenue requested will not be recovered through other means (e.g., it is not, in full or in part, included in base rates or being funded by the expansion of service to include new customers and other load growth)	Exhibit 2, Tab 1, Schedule 1, pp. 1, 4, 13
28	Details by project for the proposed capital spending plan for the expected in-service year	Exhibit 4, Tab 1, Schedule 1 Attach 4, 7
28	Description of the proposed capital projects and expected in-service dates	Exhibit 4, Tab 1, Schedule 1 Attach 3, 6
28	Calculation of the revenue requirement (i.e. the cost of capital, depreciation, and PILs) associated with each proposed incremental capital project	Exhibit 4, Tab 1, Schedule 1 Attach 2, 5
28	Calculation of each incremental project's revenue requirements that will be offset by revenue generated through other means (e.g. customer contributions in aid of construction)	Exhibit 4, Tab 1, Schedule 1 Attach 2, 5
28	Description of the actions the distributor would take in the event that the OEB does not approve the application	Exhibit 4, Tab 1, Schedule 1 Attach 3, 6
28	Calculation of a rate rider to recover the incremental revenue from each applicable customer class. The distributor must identify and provide a rationale for its proposed rider design, whether variable, fixed or a combination of fixed and variable riders. As discussed at section 3.2.3, any new rate rider for the residential class must be applied on a fixed basis	Exhibit 2, Tab 1, Schedule 1, pp. 10, 17 Exhibit 4, Tab 1, Schedule 1, Attach 2, 5
<b>3.3.5 Off-Ramps</b>		
33 - 34	A distributor whose earnings are in excess of the dead band (i.e. 300 basis points) but nevertheless applies for an increase to its base rates - an explanation to substantiate its reasons for doing so required	N/A
<b>Appendix A</b>		
Appendix A	Confirm disposition of residual balances for vintage Account 1595 have only been done once - distributors expected to seek disposition of the balance a year after a rate rider's sunset date has expired. No further dispositions of these accounts are generally expected unless justified by the distributor	Confirmed
Appendix A & Page 5	Distributors who meet the requirements for disposition of residual balances of Account 1595 sub-accounts, must complete the 1595 Analysis Workform. Account 1595 sub-accounts are eligible for disposition when one full year has elapsed since the associated rate riders' sunset dates have expired and the residual balances have been externally audited.	Exhibit 4, Tab 1, Schedule 1 Attach 29-31
Appendix A	Material residual balances will require further analysis, consisting of separating the components of the residual balances by each applicable rate rider and by customer rate class. Distributors are expected to provide detailed explanations for any significant residual balances attributable to specific rate riders for each customer rate class. Explanations must include for example, volume differences between forecast volumes (used to calculate the rate riders) as compared to actual volumes at which the rate riders were billed.	N/A