



August 9, 2018

Kirsten Walli Board Secretary Ontario Energy Board, 2300 Yonge St. Suite 2700, P.O. Box 2319 Toronto, Ontario M4P 1E4

Dear Ms. Walli:

Re: OEB File No. EB-2018-0036

Guelph Hydro Electric Systems Inc. (Guelph Hydro) 2019 IRM Electricity Distribution Rate Application

Please find enclosed with this letter Guelph Hydro's Application for Electricity and Distribution Rates and Charges effective January 1, 2019, prepared in accordance to the Board's Chapter 3 Filing Requirements last updated on July 12, 2018.

The application includes live versions of the following models:

- 2019 IRM Rate Generator model
- GA Analysis Work Form along with GA Reconciling Items file
- 1595 Work Form
- 2019 LRAMVA Work Form
- 2016 Approved Revenue Requirement Work Form (EB-2015-0073)
- 2011 to 2017 IESO's CDM Results

Guelph Hydro provides two hard copies and has filed an electronic version of this Application via RESS.



Should there be any questions, please do not hesitate to contact the undersigned.

Respectfully submitted,

Cristina Birceánu

Vice-President of Regulatory Affairs, Customer Care and Billing Guelph Hydro Electric Systems Inc.

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APPLICATION

2	IN THE MATTER OF th	he Ontario Energy Board Act, 1998,
3	being Schedule B to t	the Energy Competition Act, 1998,
4	S.O. 1998, c.15;	
5	AND IN THE MATTE	ER OF an Application by Guelph
6	Hydro Electric Systems	s Inc. to the Ontario Energy Board
7	for an Order or Orde	ers approving or fixing just and
8	reasonable rates and	d other service charges for the
9	distribution of electricity	as of January 1, 2019.
10	Title of Proceeding:	An application by Guelph
11	Hydro Electric Systen	ns Inc. for an Order or Orders
12	approving or fixing just	t and reasonable distribution rates
13	and other charges, effe	ctive January 1, 2019.
14	APPLICANT'S NAME: Gu	elph Hydro Electric Systems Inc.
15	CONTACT INFORMATION:	
16	Applicant's Address for Service: 395	5 Southgate Drive
17		ielph, Ontario G 4Y1
18	IN IV	G 41 I
19	Primary Contact for Electricity Distribu	ution Licence:
20	Pankaj Sardana Dire	rect Line: 519-837-4707
21 22		rect Fax: 519-836-1055 nail: PSardana@GuelphHydro.com
22	Liii	iaii. <u>F Sardana@Gdeiphii iydro.com</u>
23	Primary Contact for the Application:	
24	Cristina Birceanu	Direct Line: 519-837-4735
25 26	Vice President of Regulatory Affairs,	Direct Fax: 519-836-6115
26	Customer Care and Billing	Email: <u>CBirceanu@GuelphHydro.com</u>

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1	Applicant's Counsel:	Torys LLP
2		
3		79 Wellington St. W., 30th Floor
4		Box 270, TD South Tower
5		Toronto, Ontario M5K 1N2 Canada
6		www.torys.com
7		
8	Charles Keizer, Partner	Telephone: (416)-865-7512
9		Fax: (416)-865-7380
10		Email: <u>ckeizer@torys.com</u>

1. Introduction

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2	Guelph Hydro Electric Systems Inc. (Guelph Hydro) hereby applies to the Ontario
3	Energy Board (the Board) for approval of 2019 Distribution Rate Adjustments,
4	based on Chapter 3 of the Filing Requirements for Electricity Distribution Rate
5	Applications (EDR) last revised on July 12, 2018.
6	Guelph Hydro is applying for annual rate adjustments under the parameters set
7	out in the Board's 4 th Generation IRM.
8	Guelph Hydro has used the Board's 2019 IRM Rate Generator model, Global
9	Adjustment Analysis work form, and the generic LRAMVA work form in the
10	preparation of this filing, and it confirms the accuracy of the 2017 billing
11	determinants and Trial Balance for the prepopulated models.
12	Guelph Hydro has filed its 2016 Board-approved Settlement Agreement as
13	Appendix 4 and the Revenue Requirement Work Form (in PDF and Excel
14	version) as Appendix 6 of this application.

Relief Sought.

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- Guelph Hydro applies for an Order or Orders approving the proposed distribution rates and other charges set out in Section 3.1 to this Application as just and reasonable rates and charges pursuant to Section 78 of the Board Act, to be effective January 1, 2019; and
- In the event that the Board is unable to provide a Decision and Order in this Application for implementation by the Applicant as of January 1, 2019, Guelph Hydro requests that the Board issue an Interim Rate Order declaring the current Distribution Rates and Specific Service Charges as interim until the implementation date of the approved 2019 distribution rates.

- In the event that the effective date does not coincide with the Board's implementation date for 2019 distribution rates and charges, Guelph Hydro requests permission to recover the incremental revenue from the effective date to the implementation date.
- Guelph Hydro confirms that it transitioned to International Financial Reporting Standards (IFRS) on January 1, 2011, and it filed a 2016 Cost of Service (COS) application on the basis of Modified International Financial Reporting Standards (MIFRS) on April 24, 2015, file number EB-2015-0073. The actual 2018 distribution rates reflect the Board's Decision and Order issued on November 26, 2015 respecting Guelph Hydro's 2016 Cost of Service application and subsequently, the Board's Decision and Order issued on December 8, 2016 on Guelph Hydro's 2017 IRM application, file number EB-2016-0075, and the Board's Decision and Order issued on December 15, 2017, on Guelph Hydro's 2018 IRM application, file number EB-2017-0044 (please see Appendix 2 Current Tariff of Rates and Charges EB-2017-0044 Rate Order).

Form of Hearing Requested

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 The Applicant requests that this Application be disposed of by way of a written hearing.

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- 1 DATED at Guelph, Ontario, this 9th day of August, 2018.
- 2 All of which is respectfully submitted,
- 3 GUELPH HYDRO ELECTRIC SYSTEMS INC.
- 4 Pankaj Sardana

6

Cristina Birceanu

5 Chief Executive Officer

Vice President of Regulatory Affairs, Customer Care and Billing

1.1 Certification of Evidence

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As Chief Executive Officer of Guelph Hydro Electric Systems Inc., I certify that
the evidence filed in Guelph Hydro's 2019 IRM application is accurate, consistent
and complete to the best of my knowledge or belief. The filing is consistent with
the requirements from Chapter 3 of the *Filing Requirements for Transmission*and Distribution Rate Applications revised on July 12, 2018.

Pankaj Sardana

8 Milano

9 Chief Executive Officer

1.2 Requested Rate Adjustments

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- The 2019 rate adjustments include:
 - A Price Cap Adjustment in accordance with the parameters of the 4th Generation Incentive Regulation for Ontario's Electricity Distributors. As part of the supplemental report on the Renewed Regulatory Framework for Electricity Distributors (RRFE), the Board will establish the final inflation factor, productivity factor and stretch factor to apply to distributors for the 2019 rate year. The Rate Generator model includes rate-setting parameters from the 2018 rate year as a placeholder; Guelph Hydro acknowledges that Board staff will update the Rate Generator model once the supplemental report on RRFE is issued. Guelph Hydro received approval to shift the rate design for residential customers towards fully-fixed rates in 2016 (EB-2015-0073), and is applying for the fourth year of transition to fully-fixed distribution rates for the residential class (please see Tab 16 of the 2019 Rate Generator model presented in Excel version as Appendix 1 of this Application).
 - An adjustment of Retail Transmission Service Rates (RTSR) in accordance with Board Guidelines G-2008-001: Electricity Distribution Retail Transmission Service Rates, last revised June 28, 2012 and subsequent updates to the Uniform Transmission Rates ("UTRS"). Guelph Hydro is a partial embedded distributor in relation to Hydro One for distribution services in the Village of Rockwood; therefore, Guelph Hydro is charged by Hydro One for Transmission Connection, Transmission Network, and Low Voltage services.
 - A Rate Rider for Disposition of Deferral and Variance Accounts (excluding 1568 LRAMVA) effective until December 31, 2019. Guelph Hydro is seeking the Board's approval for a one-year disposition period.

- A Rate Rider for Global Adjustment disposition applicable only for Non-RPP Class B customers effective until December 31, 2019 (one-year disposition). In addition, Guelph Hydro is seeking approval of 12 equal monthly payments for the contribution of 44 former Class B customers to the Global Adjustment balance.
- On the grounds that the allocated Account 1580 sub-account Capacity
 Based Recovery ("CBR") Class B amount of \$(7,120) has not produced a
 rate rider for all classes, Guelph Hydro is seeking approval to transfer the
 Class B CBR balance to Account 1580 Wholesale Market Service to be
 disposed through the general purpose Group 1 Deferral and Variance
 Accounts ("DVA") rate riders effective until December 31, 2019 (one-year
 disposition) for more details, please see Section 3.1 "Statement of
 changes to the Board's rate generator model".
- Approval of 12 equal monthly payments for the contribution of 44 Class A transition customers to the CBR balance of \$(1,788).
- A Rate Rider for Recovery of Lost Revenue Adjustment Mechanism
 (LRAMVA) Variance Account effective until December 31, 2019. In its
 2016 COS application, file number EB-2015-0073, Guelph Hydro received
 approval for and disposed the 2013 LRAMVA balance. Subsequently, in
 its 2017 IRM and 2018 IRM Applications, Guelph Hydro received approval
 for and disposed the 2015 and 2016 LRAMVA balances. Guelph Hydro is
 seeking approval to dispose the 2017 LRAMVA balances as presented in
 section 3.8 of this Application.

1.3 Statement of publication of applicant's notice

The persons affected by this Application are the ratepayers of Guelph Hydro's distribution business. Guelph Hydro is proposing that notices related to this

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1	Application appear in the Guelph Mercu	ry Tribune publication. Guelph Tribune is	
2	an unpaid publication distributed each Tuesday and Thursday with an average		
3	circulation of approximately 39,000 to 44,000 each day.		
4	(Source: http://www.newspaperscanada	a.ca/about-newspapers/circulation)	
5	The Internet address for application viewing purposes is Guelph Hydro's website		
6	www.guelphhydro.com Newsroom section and the primary contact is		

2. Distributor Profile Summary

2	Guelph Hydro is a licensed distributor with approximately 56,000 customers
3	servicing the City of Guelph and the Village of Rockwood.
4	Guelph Hydro owns, maintains and operates approximately 427 km of overhead
5	primary distribution feeders and 716 km of underground primary distribution
6	circuits in the City of Guelph and in the Village of Rockwood as well as 63 -13.8
7	kV feeders and 4 -8.32 kV feeders within its service territory.
8	Wholesale supply is provided by three (3) Hydro One Networks Inc. ("HONI")-
9	owned Transformer Stations (Hanlon, Cedar, and Campbell) and one (1) Guelph
10	Hydro-owned Transformer Station (Arlen MTS) in the City of Guelph. Cedar TS,
11	Hanlon TS and Arlen MTS step down 115 kV Transmission supply to 13.8 kV
12	while Campbell TS steps down 230 kV Transmission supply to 13.8 kV for
13	primary distribution feeders. In the Village of Rockwood, supply is provided by
14	two (2) Guelph Hydro-owned Municipal Substations (Rockwood MS1, Rockwood
15	MS2) and one (1) Hydro One Networks Incowned Distribution Station
16	(Rockwood DS). All three stations are supplied from 44 kV feeders originating
17	from Fergus TS and primary distribution is operated at 8.3 kV.
18	Guelph Hydro's customers are served by a total of 63 distribution feeders. The
19	feeders are supplied upstream by Hydro One sub-transmission and transmission
20	stations. The City of Guelph has 59 feeder circuits supplied by 4 transformer
21	stations.
22	Guelph Hydro is a partial embedded distributor in relation to Hydro One for
23	distribution services for the Village of Rockwood; therefore, Guelph Hydro is
24	charged by Hydro One for low voltage distribution services.

3. Details of Guelph Hydro's Electricity Distribution Rate Application

1	3.	Details of Guelph Hydro's Electricity Distribution Rate Application		
2	3.1	Schedule of Current and Proposed Rates and Charges – Bill Impact		
3		Guelph Hydro has completed the 2019 Rate Generator model in accordance with		
4		Board Staff's instructions and it confirms the accuracy of the 2018 Board-		
5		Approved Tariff of Rates and Charges, and the accuracy of the billing		
6		determinants prepopulated in Tab 4 of the model.		
7		Guelph Hydro has a unique rate class, Standby Power Service for Load		
8		Displacement Generation; the Standby Charge is based exclusively on the		
9		applicable General Service above 50 kW distribution volumetric rates, and		
10		therefore the LRAMVA, DVA, Global Adjustment, and CBR rate riders will not		
11		apply to the generator's peak demand.		
12		Statement of changes to the Board's rate generator model: Guelph		
13		Hydro confirms that it has not diverged from the Board's rate generator model		
14		concept, except in relation to the residual Class B CBR balance after removing		
15		the portion pertaining to Class A transition customers. In accordance with Filing		
16		Requirements update on July 12, 2018, and as instructed by a note in the 2019		
17		IRM Rate Generator model, tab 6.2 CBR B, if the 1580 Sub-account CBR Class		
18		B amount does not produce a rate rider in one or more rate classes, the		
19		distributor must transfer the CBR Class B balance into the Account 1580 WMS		
20		balance to be disposed of through the general purpose Group 1 DVA rate riders.		
21		Guelph Hydro's residual Class B CBR balance (after removing the portion		
22		pertaining to Class A transition customers) including carrying charges is \$(7,120)		
23		and did not produce a CBR Class B rate rider. Guelph Hydro has adjusted Tab 3.		
24		Continuity Schedule (cells BK 23 and BK 25) to transfer the \$(7,120) balance to		
25		Account 1580 WMS and dispose through the Group 1 DVA rate riders. The		
26		remaining CBR Class B balance of \$(1,788) (including carrying charges)		
27		pertaining to Class A transition customers is expected to be disposed of by way		

of 12-month instalments specific to each Class A transition customer.

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Current Tariff of Rates and Charges

- 2 Guelph Hydro's current Tariff of Rates and Charges are presented in Appendix 2
- 3 Current Tariff of Rates and Charges EB-2017-0044 RATE ORDER.
- 4 Proposed Rates and Charges

1

5 Guelph Hydro proposes the following Rates and Charges:

Guelph Hydro Electric Systems Inc. TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2019

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

FB-2018-0036

RESIDENTIAL SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge	\$	29.13
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(0.18)
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0039
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) -		
effective until December 31, 2019	\$/kWh	0.0005
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kWh	0.0018
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0062
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge	\$	16.89
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	0.0141
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0039
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) -		
effective until December 31, 2019	\$/kWh	0.0006
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kWh	0.0015
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0062
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0055
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
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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.

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

Service Charge	\$	183.11
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(3.80)
Distribution Volumetric Rate	\$/kW	2.7899
Low Voltage Service Rate	\$/kW	0.0121
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0039
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	\$/kW	0.1029
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019 Applicable only for Non-Wholesale Market Participants	\$/kW	(0.4189)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kW	0.9509
Retail Transmission Rate - Network Service Rate	\$/kW	2.6001
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.6970
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3084
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.3950
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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

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

APPLICATION

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

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

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

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

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

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

Service Charge	\$	579.25
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(46.33)
Distribution Volumetric Rate	\$/kW	3.0971
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0039
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) -		
effective until December 31, 2019	\$/kW	0.1084
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kW	0.5512
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.6970
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.3950
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

LARGE USE SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge	\$	1,113.52
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(151.18)
Distribution Volumetric Rate	\$/kW	2.7825
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019)	-	
effective until December 31, 2019	\$/kW	0.8322
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kW	0.6429
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.2570
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.8919
MONTHLY DATES AND SHADSES. Demiletem Commencent		
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

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

\$	4.94
\$	(0.05)
\$/kWh	0.0225
\$/kWh	0.0039
\$/kWh	0.0018
\$/kWh	0.0062
\$/kWh	0.0055
\$/kWh	0.0032
\$/kWh	0.0004
\$/kWh	0.0003
\$	0.25
	\$ \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh

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STANDBY POWER SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - APPROVED ON AN INTERIM BASIS

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

SENTINEL LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge (per connection)	\$	7.65
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(0.11)
Distribution Volumetric Rate	\$/kW	8.4641
Low Voltage Service Rate	\$/kW	0.0089
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0045
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kW	2.7325
Retail Transmission Rate - Network Service Rate	\$/kW	1.9906
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.7675
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

STREET LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge (per connection)	\$	0.43
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(0.01)
Distribution Volumetric Rate	\$/kW	10.3772
Low Voltage Service Rate	\$/kW	0.0107
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0039
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) -		
effective until December 31, 2019	\$/kW	(0.7280)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kW	0.4420
Retail Transmission Rate - Network Service Rate	\$/kW	2.3954
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1267
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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Service Charge	\$	5.40
ALLOWANCES		
Transformer Allowance for Ownership by General Service 50 to 999 kW customers - per kW of billing		
demand/month	\$/kW	(0.72)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	(1.00)

100.00

SPECIFIC SERVICE CHARGES

Underground bond connection - per connection

APPLICATION

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

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

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

Customer Administration		
Arrears certificate	\$	15.00
Returned cheque (plus bank charges)	\$	8.55
Account setup charge/change of occupancy charge (plus credit agency costs if applicable)	\$	8.75
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	10.00
Credit service charge for paperless bill	\$	(10.00)
Non-Payment of Account		
Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	9.00
Disconnect/reconnect at meter - during regular hours	\$	20.00
Disconnect/reconnect at meter - after regular hours	\$	50.00
Disconnect/reconnect at pole - during regular hours	\$	50.00
Disconnect/reconnect at pole - after regular hours	\$	95.00
Other		
Service call - customer owned equipment	\$	17.50
Service call - after regular hours	\$	95.00
Specific charge for access to the power poles - \$/pole/year		
(with the exception of wireless attachments)	\$	22.35
Overhead bond connection - per connection	\$	105.00

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.

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

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

LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0260
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0137
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0157
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0036

- 1 Guelph Hydro has calculated and presented below the bill impact per customer class,
- 2 including a typical residential customer consuming 750 kWh as per the Report of the
- 3 Board Defining Ontario's Typical Residential Customer:

Table 1 – 2019 Bill Impacts

2019 Total Bill Impact Summary

To be linked to 2019IRM - tab Bill Impact

To be lifted to 2015 it till - tab bill liftpact					
	kWh	210		750	
Residential RPP	Bill Impact \$	\$	3.55	\$	3.50
	Bill Impact %		7.02%	3	3.19%

Loss Factor: 2.60%

General Service	kWh	2,000
Less than 50 kW	Bill Impact \$	\$ 9.62
RPP	Bill Impact %	3.81%

Loss Factor: 2.60%

	kWh	189,800
General Service	kW	500
50-999 kW	Bill Impact \$	\$ 754.84
	Bill Impact %	2.51%

Loss Factor: 2.60%

	kWh	489,100
General Service	kW	1,000
1,000-4,999 kW	Bill Impact \$	\$ 1,784.39
	Bill Impact %	2.36%

Loss Factor: 2.60%

Large User	kWh	4,215,750
	kW	7,500
	Bill Impact \$	\$ 17,913.81
	Bill Impact %	2.91%

Loss Factor: 0.36%

Unmetered	kWh	750
Scattered Load	Connections	15
DDD	Bill Impact \$	\$ 4.58
RFF	Rill Impact %	2 48%

Loss Factor: 2.60%

	kWh	140
Sentinel Lighting	kW	2
RPP	Connections	2
NEE	Bill Impact \$	\$ 9.24
	Bill Impact %	14.31%

Loss Factor: 2.60%

Street Lighting	kWh	800,000
	kW	2,200
	Connections	13,400
	Bill Impact \$	\$ 3,277.34
	Bill Impact %	2.20%

Loss Factor: 2.60%

Retailer	Bill Impact \$	\$ 3.26
Netallel	Bill Impact %	2.23%
Loss Factor:	2.60%	

kWh

750

General Service Less	kWh	2,000
than 50 kW Non-	Bill Impact \$	\$ 9.00
RPP Retailer	Bill Impact %	2.59%

Loss Factor: 2,60%

Residential Non-RPP

3.2 Price Cap Adjustment

2	Annual Adjustment Mechanism									
3	In calculating 2019 rates, Guelph Hydro has applied a Price Cap Adjustment of									
4	0.90% to its Base Distribution Rates, which is based on the rate-setting									
5	parameters provided by the Board's 2019 IRM Rate Generator model (Stretch									
6	Factor Group III). Guelph Hydro acknowledges that Board staff will update the									
7	Rate Generator with the final parameters which wi	III be established by the Board								
8	in the supplemental report on the RRFE. The follo	wing default values were used								
9	in the determination of the Price Cap Adjustment:									
	Price Cap Index									
	Price Escalator	1.20%								
	Less Productivity Factor	0.00%								
	Less Stretch Factor (Group III)	0.30%								
	Price Cap Index	0.90%								
10	The calculation of the price cap adjustment is pres	sented in Appendix 1 - 2019								
10 11	The calculation of the price cap adjustment is presIRM Rate Generator, Tab 16.	sented in Appendix 1 - 2019								
		sented in Appendix 1 - 2019								
11	IRM Rate Generator, Tab 16.									
11	IRM Rate Generator, Tab 16. Application of the Annual Adjustment Mechanism									
11 12 13	IRM Rate Generator, Tab 16. Application of the Annual Adjustment Mechanism The price cap index adjustment has not been application.									
11 12 13 14	IRM Rate Generator, Tab 16. Application of the Annual Adjustment Mechanism The price cap index adjustment has not been apple components of distribution rates:									
11 12 13 14 15 16	IRM Rate Generator, Tab 16. Application of the Annual Adjustment Mechanism The price cap index adjustment has not been apple components of distribution rates: • Rate Adders; • Rate Riders;									
1112131415	IRM Rate Generator, Tab 16. Application of the Annual Adjustment Mechanism The price cap index adjustment has not been application of distribution rates: • Rate Adders;									

1		Wholesale Market Service Rate;
2		Rural and Remote Rate Protection Benefit Charge;
3		Standard Supply Service – Administrative Charge;
4		Capacity Based Recovery;
5		MicroFIT Service Charge;
6		Specific Service Charges;
7		Transformation and Primary Metering Allowances; and
8		Smart Metering Entity Charge
9	3.3	Revenue to Cost Ratio Adjustment
10		The Board's Decision (EB-2015-0073) for Guelph Hydro's 2016 Cost of Service
11		Rate Application did not prescribe any phase-in period to adjust its revenue-to-
12		cost ratios.
13	3.4	Rate Design for Residential Electricity Customers
14		On April 2, 2015, the OEB released its Board Policy: A New Distribution Rate
15		Design for Residential Electricity Customers (EB-2014-0210), which stated that
16		electricity distributors will transition to a fully-fixed monthly distribution service
17		charge for residential customers. This will be implemented over a period of four
18		years, beginning in 2016.
19		Guelph Hydro's transition to a fully-fixed monthly service charge for the
20		residential class started on January 1, 2016.
21		In this Application, Guelph Hydro is seeking approval for the fourth year of
22		transition to a fully-fixed monthly service charge effective January 1, 2019. In
23		proposing a transition to a fully-fixed monthly service charge, Guelph Hydro has

followed the approach set out in Tab 16. Rev2Cost_GDPIP of the Rate
Generator Model.

- In order to support the transition to fully fixed distribution rates for residential customers, the OEB designed two tests to determine when mitigation should be proposed a threshold test for the change in the fixed charge, and an overall bill impact test.
 - 1. Threshold test for change: when assessing the combined effects of the shift to fixed rates and other bill impacts associated with changes in the cost of distribution service, a utility shall evaluate the total bill impact for a residential customer at the distributor's 10th consumption percentile. In Guelph Hydro's case, the 10th consumption percentile residential customer consumes 210 kWh of electricity per month (30 days). Ten percent of Guelph Hydro's residential customers consume 210 kWh or less in an average month, and 90% consume more than 210 kWh in an average month. Guelph Hydro determined this result by querying monthly consumption records for all residential bills issued each month in the 2017 calendar year, segmented by consumption threshold. On a cumulative basis, the quantity of accounts in each consumption threshold reaches the 10th percentile at 210 kWh per month, as shown in Table 2 below. The source data included all residential customers in the City of Guelph and the village of Rockwood.

Table 2 – 2017 Residential Accounts by Consumption Threshold

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8

Average Residential Monthly Consumption Threshold	Number of Accounts	Percent	Cumulative Number of Accounts	Cumulative %
0-100 kWh	1,293	3%	1,293	2.6%
>101-150 kWh	1,345	3%	2,638	5.2%
>151-200 kWh	1,956	4%	4,594	9.1%
>201-205 kWh	232	0%	4,826	9.6%
>206-210 kWh	238	0%	5,064	10.1%
>211-215 kWh	244	0%	5,308	10.6%
>216-220 kWh	253	1%	5,561	11.1%
>221-225 kWh	253	1%	5,814	11.6%
>226-230 kWh	261	1%	6,075	12.1%
>231-235 kWh	268	1%	6,343	12.6%
>236-240 kWh	267	1%	6,610	13.1%
>241-245 kWh	272	1%	6,882	13.7%
>246-250 kWh	270	1%	7,152	14.2%
>251-500 kWh	17,828	35%	22,654	49.7%
>501-800 kWh	15,263	30%	37,917	80.0%
>801-1,000 kWh	4,670	9%	42,587	89.3%
>1,001-1,500 kWh	3,945	8%	46,532	97.1%
>1,501-2,000 kWh	933	2%	47,465	99.0%
>2,001 kWh	521	1%	47,986	100.0%
Total	50,312	100%		

Overall Bill Impact test: the bill impact for 10th consumption percentile
residential customer with 210 kWh monthly consumption is 7.02% or \$3.55.
As the bill impact is less than \$4 and below 10%, no mitigation plan is
proposed.

Table 3 below presents the Bill Impact for a residential customer with 210 kWh monthly consumption.

1

Table 3 – Bill Impact – Residential 10th consumption percentile

Customer Class:
RPP / Non-RPP:
RPP
Consumption
Demand
Current Loss Factor
Proposed/Approved Loss Factor

Customer Class:
RESIDENTIAL SERVICE CLASSIFICATION

WWh
kWh
kW

LUST 1.0260

		Current OF	B-Approved			Proposed				lm	pact		
		Rate	Volume	Cha	rge		Rate Volume			Charge			
		(\$)		(\$			(\$)			(\$)	\$	Change	% Change
Monthly Service Charge	\$	25.73		\$	25.73	\$	29.13		\$	29.13	\$	3.40	13.21%
Distribution Volumetric Rate	\$	0.0049	210	\$		\$	-	210	\$	-	\$	(1.03)	-100.00%
Fixed Rate Riders	\$	(0.18)	1	\$	(0.18)	\$	(0.18)	1	\$	(0.18)		-	0.00%
Volumetric Rate Riders	\$	0.0002	210		0.04	\$	0.0005	210	_	0.11	\$	0.06	150.00%
Sub-Total A (excluding pass through)				\$	26.62				\$	29.06	\$	2.43	9.14%
Line Losses on Cost of Power	\$	0.0820	5	\$	0.45	\$	0.0820	5	\$	0.45	\$	-	0.00%
Total Deferral/Variance Account Rate	-s	0.0023	210	\$	(0.48)	\$	0.0018	210	\$	0.38	s	0.86	-178.26%
Riders	*				` ′	l .	0.0010		· ·	0.00	l '		
CBR Class B Rate Riders	-\$	0.0001	210	\$	(0.02)	\$	-	210	\$	-	\$	0.02	-100.00%
GA Rate Riders	\$	-	210	\$	-	\$	-	210	\$	-	\$	-	
Low Voltage Service Charge	\$	-	210	\$	-			210	\$	-	\$	-	
Smart Meter Entity Charge (if applicable)	s	0.57	1	\$	0.57	\$	0.57	1	\$	0.57	\$	-	0.00%
ALIES AND A DIA						Ľ					١		
Additional Fixed Rate Riders	\$	-	1	\$	-	\$	-	1	\$	-	\$	-	
Additional Volumetric Rate Riders			210	\$		\$	-	210	\$	-	\$	-	
Sub-Total B - Distribution (includes Sub-				\$	27.13				\$	30.45	\$	3.32	12.22%
Total A) RTSR - Network	s	0.0068	215	\$	1.47	¢	0.0068	215	\$	1.47	\$	_	0.00%
RTSR - Connection and/or Line and	*			Φ		Ψ			φ		Ψ		
Transformation Connection	\$	0.0059	215	\$	1.27	\$	0.0062	215	\$	1.34	\$	0.06	5.08%
Sub-Total C - Delivery (including Sub-													
Total B)				\$	29.87				\$	33.25	\$	3.38	11.32%
Wholesale Market Service Charge	_												
(WMSC)	\$	0.0036	215	\$	0.78	\$	0.0036	215	\$	0.78	\$	-	0.00%
Rural and Remote Rate Protection (RRRP)			0.45	•	0.00	١.		0.15	_	2.00	 		0.000/
,	\$	0.0003	215	\$	0.06	\$	0.0003	215	\$	0.06	\$	-	0.00%
Standard Supply Service Charge	\$	0.25	1	\$	0.25	\$	0.25	1	\$	0.25	\$	-	0.00%
TOU - Off Peak	\$	0.0650	137	\$	8.87	\$	0.0650	137	\$	8.87	\$	-	0.00%
TOU - Mid Peak	\$	0.0940	36	\$	3.36	\$	0.0940	36	\$	3.36	\$	-	0.00%
TOU - On Peak	\$	0.1320	38	\$	4.99	\$	0.1320	38	\$	4.99	\$	-	0.00%
Total Bill on TOU (before Taxes)				\$	48.18				\$	51.56		3.38	7.02%
HST		13%		\$	6.26	l	13%		\$	6.70		0.44	7.02%
8% Rebate		8%		\$	(3.85)		8%		\$	(4.12)		(0.27)	
Total Bill on TOU				\$	50.59				\$	54.14	\$	3.55	7.02%
								<u> </u>		<u> </u>			

3.5 Shared Tax Savings Adjustment

In its Supplemental report of the Board on 3rd Generation Incentive Regulation issued on July 17, 2008, and in Chapter 3 of the Board's Filing Requirements (EDR) last revised July 12, 2018, the Board determined that a 50/50 sharing of the impact of currently known legislated tax changes, other than that related to the implementation of the Harmonized Sales Tax, as applied to the tax level reflected in the Board-approved base rates for a distributor, was appropriate.

Guelph Hydro has completed the Board's 2019 IRM Rate Generator Model (Tab 8. STS-Tax Change and Tab 9. Shared Tax-Rate Rider), and calculated annual tax changes to be allocated to customer rate classes on the basis of the 2016 Board-approved billing determinants and distribution rates (2016 COS file number EB-2015-0073). As there is no tax change from the 2016 year of cost of service, no rate rider has been generated (please see Table 4 below).

1 Table 4 – Summary of Tax Change Forecast Amounts (2019 Rate Generator, Tab 8)

Summary - Sharing of Tax Change Forecast Amounts

For the 2016 year, enter any Tax Credits from the Cost of Service Tax Calculation (Positive #)	199,000	
1. Tax Related Amounts Forecast from Capital Tax Rate Changes	2016	2018
Taxable Capital (if you are not claiming capital tax, please enter your OEB-Approved Rate Base)	151,391,730	\$ 151,391,730
Deduction from taxable capital up to \$15,000,000	\$ -	\$ -
Net Taxable Capital	\$ 151,391,730	\$ 151,391,730
Rate	0.00%	0.00%
Ontario Capital Tax (Deductible, not grossed-up)	\$ -	\$ -
2. Tax Related Amounts Forecast from Income Tax Rate Changes		
Regulatory Taxable Income	\$ 2,671,866	\$ 2,671,866
Corporate Tax Rate	26.50%	26.50%
Tax Impact	\$ 509,044	\$ 509,044
Grossed-up Tax Amount	\$ 692,577	\$ 692,578
Tax Related Amounts Forecast from Capital Tax Rate Changes	\$ -	\$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	\$ 692,577	\$ 692,578
Total Tax Related Amounts	\$ 692,577	\$ 692,578
Incremental Tax Savings		\$ 0
Sharing of Tax Amount (50%)		\$ 0

3.6 Adjustment of Retail Transmission Service Rates (RTSR)

2	Guelph Hydro is applying for an adjustment of its Retail Transmission Service
3	Rates based on a comparison of historical transmission costs adjusted for new
4	UTRs levels and revenues generated from existing RTSRs. This approach is
5	expected to minimize variances in USoA Accounts 1584 and 1586.
6	The proposed adjustments of the Retail Transmission Service Rates and a
7	detailed calculation are exhibited in Appendix 1 – 2019 IRM Rate Generator
8	Model (Tabs 10 to 15).
9	On an annual basis, the IESO invoices Guelph Hydro the gross load billing for
10	Transmission Line and Connection Service charges which apply to the
11	generation activities of Load Displacement Generation ("LDG") customers which
12	have installed capacity of 2 MW or more for renewable generation and 1 MW or
13	higher for non-renewable generation. Currently, Guelph Hydro has one Large
14	Use customer with an LDG with capacity of approximately 8 MW.
15	In April 2017, the IESO charged Guelph Hydro an amount of \$233,778.16 for
16	2016 transmission connection service for embedded generation (\$70,376.12 for
17	Line Connection and \$163,402.04 for Transformation Connection).
18	Guelph Hydro included the supplemental charges in the 2019 IRM Rate
19	Generator model Tab 12 cells J22 and N22, respectively. The kW units were also
20	added to Tab 12 cells H22 and L22. There is a discrepancy in the Line and
21	Transformation Connection rates (cells I22 and M22) because the 2016 UTRs
22	were higher than 2017 UTRs.

Guelph Hydro presents below its preliminary RTSR for 2019:

Table 5 – 2019 Proposed RTSRs

Rate Class	Unit	2018 Actual RTSR Network	2019 Proposed RTSR Network	Change %	2018 Actual RTSR Connection	2019 Proposed RTSR Connection	Change %
Residential	kWh	\$ 0.0068	\$ 0.0068	-0.36%	\$ 0.0059	\$ 0.0062	4.77%
General Service Less Than 50 kW	kWh	\$ 0.0062	\$ 0.0062	-0.36%	\$ 0.0052	\$ 0.0055	4.77%
General Service 50 to 999 kW	kW	\$ 2.6095	\$ 2.6001	-0.36%	\$ 2.1983	\$ 2.3084	4.77%
General Service 50 to 999 kW - Interval Metered	kW	\$ 2.7067	\$ 2.6970	-0.36%	\$ 2.2808	\$ 2.3950	4.77%
General Service 1,000 to 4,999 kW - Interval Metered	kW	\$ 2.7067	\$ 2.6970	-0.36%	\$ 2.2808	\$ 2.3950	4.77%
Large Use - Interval Metered	kW	\$ 3.2687	\$ 3.2570	-0.36%	\$ 2.7540	\$ 2.8919	4.77%
Unmetered Scattered Load	kWh	\$ 0.0062	\$ 0.0062	-0.36%	\$ 0.0052	\$ 0.0055	4.77%
Sentinel Lighting	kW	\$ 1.9979	\$ 1.9906	-0.37%	\$ 1.6831	\$ 1.7675	4.77%
Street Lighting	kW	\$ 2.4040	\$ 2.3954	-0.36%	\$ 2.0253	\$ 2.1267	4.77%

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The billing determinants used for determination of the RTSR rates are the most recent billing determinants reported for the 2017-year end (2.1.5 – Performance Based Regulation, section 2.1.5.4 – Demand & Revenue). The Loss Factor applied to the metered kWh is the actual Board- approved 2016 Loss Factor.

Guelph Hydro acknowledges that once any January 1, 2019 UTR adjustments are determined, Board staff will adjust the 2019 IRM Rate Generator model to reflect any changes in Hydro One's Sub-Transmission class RTSRs.

3.7 Group 1 Deferral and Variance Accounts

2	Guelph Hydro has completed Board Staff's 2019 IRM Rate Generator – Tab 3.
3	Continuity Schedule, and the Threshold Test shows a total claim per kWh of
4	\$0.0032, which is above the approved threshold of \$0.001. Guelph Hydro has
5	elected to dispose of its deferral and variance account balances in this
6	application.
7	The total amount requested for disposition is \$ 5,075,380. This amount includes
8	a 1589 – Global Adjustment balance of \$ 2,796,342 and excludes a 1568- LRAM
9	Variance Account balance of \$ 791,293.
10	Guelph Hydro is proposing a rate rider recovery period of one-year.
11	Actual interest has been calculated based on the Board's prescribed rates.
12	Forecasted interest for the period January 1, 2018 to December 31, 2018 is
13	based upon the Board-prescribed rate for Q1 of 1.50% and Q2 to Q3 2018 of
14	1.89%.
15	Guelph Hydro confirms the accuracy of the billing determinants used in Tab 4 of
16	the Rate Generator Model. A snapshot of the 2.1.5.4 Demand and Revenue
17	(Table 3a Total Metered Consumption by Detailed Rate Class and Table 4
18	Wholesale Market Participants) for 2017:

Table 6 – Snapshot of 2.1.5.4 - 2017 Demand Revenue

Table 3a

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Total Metered Consumption (SSS + Retailer) by Detailed Rate Class

Metered consumption in kWhs and kW will auto-populate from Table 1a and Table 2b

The data populated in Table 3a will be used to further streamline the application process for formulaic adjustments to rates during an incentive rate-setting period.

Detailed Rate Class	Metered consumption in kWhs (u=g+s)	Metered consumption in kWs (v=h+t)
Residential	342442311.50	0.00
General Service Less Than 50 kW	136257077.80	0.00
General Services 50 to 999 kW	394872667.50	1090970.40
General Service 1,000 to 4,999 kW	527071124.00	1111659.30
Large Use	189347197.10	398562.70
Sentinel Lighting	18294.10	51.10
Street Lighting	10236099.60	28486.40
Unmetered Scattered Load	1923140.10	0.00

Table 4 Wholesale Market Participants

Please report Metered kWhs, Metered kWs and annual billings (\$) for wholesale market participants connected to the distributor's distribution system.

Metered kWhs	Metered kWs
6196613.70	13103.85
Annual Billings (in dollars)	
42334.69	

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Deferral and Variance account balances match the Audited Financial Statements and the 2.1.7 RRR Trial Balances with the following exceptions explained below:

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1. **1580 RSVA – Wholesale Market Service Charge**: Account 1580 RSVA – Wholesale Market Service Charge continuity on Tab 3 of the Rate Generator Model was input excluding the balances in the 1580 sub accounts for CBR Classes A and B, which now have their own segregated line items. As a result, the \$(3,389,679) total balance of Account 1580 as reported on the 2017 2.1.7 Trial Balance is different from the continuity balance by \$(65,362) due to the segregation of this latter amount into the 1580 sub accounts for CBR Class A and B as of December 31, 2017. An additional \$(7,120) variance has been created due to an entry being made in the "Interest Adjustments during 2017" column due to the allocation of CBR Class B balance to transition customers as calculated in Tab 6.2a of the Rate Generator Model.

2. 1580 Variance WMS – Sub-account CBR Class B: Account 1580 Variance WMS – Sub-account CBR Class B continuity on Tab 3 of the Rate Generator Model is different from the balances reported for 2.1.7 RRR Trial Balance Sub-Accounts Tab due to a \$7,120 entry being made in the "Interest Adjustments during 2017" column due to the allocation of CBR Class B balance to transition customers as calculated in Tab 6.2a of the Rate Generator Model. The change has resulted in a \$(7,120) variance listed in the continuity on Tab 3.

- 3. **1589 RSVA Global Adjustment:** Account 1589 RSVA Global Adjustment continuity on Tab 3 of the Rate Generator Model was input including an amount of \$(200,882) being included in the "Principal Adjustments during 2017" column reflecting the 2017 RPP Settlement true-up claim which was not recorded previously for Audited Financial Statements for 2.1.7 RRR Trial Balances purposes of \$(145,887.61) along with a reversal of \$(54,994) for the 2016 RPP Settlement true-up claim recognized in 2016 continuity balances. A variance of the \$145,887 vs. 2.1.7. RRR Trial Balance is the result.
- 4. 1595 Disposition and Recovery/Refund of Regulatory Balances subaccount 2016: Account 1595 Disposition and Recovery/Refund of Regulatory Balances subaccount 2016 continuity on Tab 3 of the Rate Generator Model was updated with an amount of \$171,801 being included in the "Principal Adjustments during 2017" column and an amount of \$7,702 being included in the "Interest Adjustments during 2017" column both representing a correction of the misallocation of the OEB approved 2016 disposal of the account 1556 Smart Meter OM&A Variance account to rate base. A variance of the \$(179,503) vs. 2.1.7. RRR Trial Balance is the result. With approval from Board, the adjustment required between 1595 Disposition and Recovery/Refund of Regulatory Balances –

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subaccount 2016 and to account 3045 Unappropriated Retained Earnings will be made in 2018 since there is no impact on 2016 or 2017 earnings.

5. **1568 LRAMVA**: Account 1568 LRAMVA continuity on Tab 3 of the Rate Generator Model was updated with an amount of \$116,009 being included in the "Principal Adjustments during 2017" column and an amount of \$682 being included in the "Interest Adjustments during 2017" column both representing an update for the 2017 verified CDM results which included more appropriate allocations of programs to customer rate classes. A further adjustment of \$(1,147) for residual carrying charges was also reflected in the "Interest Adjustments during 2017" column. The residual carrying charges were the result of a change in the prescribed rates versus the projected interest rates in the Continuity Schedule for the 2016 LRAMVA balance. A variance of the \$(115,544) vs. 2.1.7. RRR Trial Balance is the result.

1 6. A snapshot of the 2.1.7 Trial Balance for 2017 is presented below:

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Table 7 - Snapshot of 2.1.7 - 2017 Trial Balance

Account Description	Account No	Amount
Unrecovered Plant and Regulatory Study Costs	1505	0.00
Other Regulatory Assets	1508	925026.68
Preliminary Survey and Investigation Charges	1510	0.00
Emission Allowance Inventory	1515	0.00
Emission Allowances Withheld	1516	0.00
RCVARetail	1518	45566.20
Special Purpose Charge Assessment Variance Account	1521	0.00
Smart Grid Funding Adder Deferral Account	1536	0.00
Unamortized Loss on Reacquired Debt	1540	0.00
RCVASTR	1548	120507.30
LV Variance Account	1550	160094.10
Smart Metering Entity Charge Variance Account	1551	-29399.43
Smart Meter Capital and Recovery Offset Variance Account	1555	0.00
Smart Meter OM&A Variance Account	1556	0.00
Meter Cost Deferral Account	1557	0.00
Board-Approval CDM Variance Account	1567	0.00
LRAM Variance Account	1568	1061379.07
Extraordinary Event Costs	1572	0.00
Deferred Rate Impact Amounts	1574	0.00
IFRS-CGAAP Transitional PP&E Amounts	1575	0.00
CGAAP Accounting Changes	1576	0.00
RSVA - Wholesale Market Service Charge	1580	-3389678.62
RSVAONE-TIME	1582	0.00
RSVA - Retail Transmission Network Charge	1584	1043886.01
RSVA - Retail Transmission Connection Charge	1586	1307379.87
RSVA - Power (excluding Global Adjustment)	1588	-1209784.06
RSVA - Global Adjustment	1589	6258494.05
PILs and Tax Variance for 2006 and Subsequent Years	1592	0.00
Disposition and Recovery/Refund of Regulatory Balances Control Account	1595	108462.26

1 A snapshot of the 2.1.7 Trial Balance – Sub-Accounts Tab for 2017 is presented below:

2 <u>Table 8 – Snapshot of 2.1.7 - 2017 Trial Balance Sub-Accounts Tab</u>

Account Description	Account No	Amount
Sub-account Depreciation Expense	1508	0.00
Sub-account Accumulated Depreciation	1508	0.00
Sub-account Energy East Consultation Costs	1508	0.00
Sub-account Financial Assistance Payment and Recovery Variance - OCEB	1508	0.00
Sub-account OEB Cost Assessment Variance	1508	115159.40
Sub-account Deferred IFRS Transition Costs	1508	0.00
Sub-account IFRS Transition Costs Variance	1508	0.00
Sub-account Incremental Capital Charges	1508	0.00
Sub-account Incremental Capital Expenditures	1508	0.00
Sub-account Incremental Capital Expenditures Rate Rider Revenues	1508	0.00
Sub-account Stranded Meter Costs	1555	0.00
Sub-account CBR class A - Principal	1580	0.04
Sub-account CBR class B - Principal	1580	-71555.34
Sub-account CBR class A - Interest	1580	50.39
Sub-account CBR class B - Interest	1580	-976.58
Sub-account Generation Facility Assets	2075	50427.55
Sub-account Accumulated Depreciation for Specifically Identified Asset Accounts	2105	-12598.98
Sub-account Generation Facility Liabilities	2285	0.00
Sub-account Generation Facility Liabilities	2325	0.00
Sub-account Generation Facilities	3075	0.00
Sub-account Generation Facility Revenues	4375	-5574.92
Sub-account Generation Facility Expenses	4380	0.00
Sub-account LEAP Funding	6205	39000.00

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Guelph Hydro has presented a summary of the disposition decisions and the sunset dates below:

Table 9 – Summary of Guelph Hydro Disposition Decisions

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	2006 EDR	2008 COS	2010 IRM	2012 COS	2014 IRM	2015 IRM	2016 COS	2017 IRM	2018 IRM
Sunset Date		April 30, 2010	April 30, 2012	March 31, 2013	December 31, 2014	December 31, 2015	December 31, 2016	December 31, 2017	December 31, 2018
Board's Decision		EB-2007-0742	EB-2009-0226	EB-2011-0123	EB-2013-0133	EB-2014-0077	EB-2015-0073	EB-2016-0075	EB-2017-0044
Group 1									
Low Voltage		1550	1550	1550	1550	1550	1550	1550	1550
Smart Metering Charge Variance						1551	1551	1551	1551
WMS	1580		1580	1580	1580	1580	1580	1580	1580
WMS- Suyb-account CBR Class B									
RTNC	1584		1584	1584	1584	1584	1584	1584	1584
RTCC	1586		1586	1586	1586	1586	1586	1586	1586
Power	1588		1588	1588	1588	1588	1588	1588	1588
Power-GA			1588-GA	1588-GA	1589	1589	1589	1589	1589
Disposition of Account Balances					1595-(2008 COS	1595-(2008 COS		1	
Approved in 2008 COS				1595-(2008 COS)	remaining)	remaining)			
Disposition of Account Balances				, ,	37	1595-(2010 IRM	1595-(2010 IRM	1595-(2010 IRM	
Approved in 2010 IRM				1595 - (2010 IRM)	1595- (2010 IRM)	remaining)	remaining)	remaining)	
Disposition of Account Balances				, ,	,	37	3/	3/	
Approved in 2012 COS				1595 - (2012 COS)		1595 - (2012 COS)			
Disposition of Account Balances						,		1595-(2014 IRM	
Approved in 2014 IRM							1595-(2014 IRM)	remaining)	
Disposition of Account Balances								1595-(2015 IRM	1595-(2015 IRM
Approved in 2015 IRM								remaining)	remaining)
Group 2	Other Reg. Assets	5	,					,	-
Other Reg. Assets	1508	1508		1508-IFRS			1508		
RCVA-Retail	1518			1518			1518		
							1532		
							1533		
RCVA-STR	1548			1548			1548		
				1555-included in the					
Smart Meter Capital				rate base			1555		
				1556-included in the					
Smart Meter OMA				rate base			1556		
Deferred PILs Account				1562					
PILs & Tax Variance				1592			1592		
Special Purpose Charge Assesment				1002			1002		
Variance Account				1521					
1568- LRAMVA	+			1021			1568	1568	1568
	+						1576		1300
1576- Accounting Changes	1							/ED 0040 044	

Note: Guelph Hydro did not ask for any disposition of deferral and variance account balances in its 2013 IRM application (EB-2012-0128) because

the Threshold Test showed a total claim per kWh below the approved threshold of \$0.001.

Table 10 – Approved Deferral and Variance Account Dollar Balances Disposed

	2012 COS 2014		014 IRM	2015	IRM	2016 (cos	2017	IRM	2018	RM	
	EB-201	1-0123	EB-	2013-0133	EB-201	4-0077	EB-2015	5-0073	EB-2016	6-0075	EB-2017	-0044
Board's Decision	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest
Group 1	Tillopai	interest	Tillicipai	RSVA	Timelpai	interest	Tillicipal	interest	Tillicipal	interest	Timopai	interest
1550-Low Voltage	(\$115,802)	(\$2,925)	(\$9,894)	(\$1,217)	\$17,489	\$168	\$74,826	\$1,396	\$108,497	\$1,696	\$81,768	\$1,348
1551 - Smart Metering Charge Variance	(ψ110,002)	(ΨΖ, ΌΖΟ)	(ψυ,υυ-)	(Ψ1,Ζ11)	\$62,203	\$1,616	(\$18.216)	(\$254)	(\$39.205)	(\$459)	(\$20,636)	(\$323)
1580-WMS	(\$1,922,324)	(\$38,863)	(\$3,989,563)	(\$127,785)	(\$961.981)	\$6.615	(\$112,601)	\$6,586	(\$3,881,395)	(\$56,303)	(\$1,627,076)	(\$25,742)
1580-WMS- Sub-account CBR Class B	(ψ1,322,324)	(ψου,σου)	(ψ0,000,000)	(ψ121,100)	(ψ501,501)	ψ0,010	(ψ112,001)	ψ0,000	\$350.955	\$5.029	(\$62.618)	(\$1,165)
1584-RTNC	\$667,902	\$14,641	\$1,345,249	\$27,626	\$517,305	(\$11,516)	\$197,800	\$5,657	(\$978.909)	(\$13,022)	(\$641.050)	(\$9,229
1586-RTCC	(\$373.043)	(\$9.060)	\$515.947	\$4.930	(\$112.262)	(\$8.634)	\$290.300	\$6,210	(\$433.382)	(\$5,463)	(\$258.199)	(\$2,777)
1588-Power	(\$739,604)	(\$17,838)	\$1,579,299	(\$159,858)	\$861,186	(\$1,463)	(\$659,091)	(\$6,258)	(\$1,091,870)	(\$9,667)	(\$1,031,019)	(\$28,453)
1589-Power-GA	V /	(\$24,464)		\$33,672	\$4,829,630	\$87,698	\$3,283,591	\$31,085	(\$347,498)	\$3,213	\$3,285,963	\$79,013
1595-Power-GA 1595-Disposition of Account Balances	(\$1,146,068)	(\$24,464)	(\$2,285,823)	\$33,672	\$4,829,630	\$87,098	\$3,283,591	\$31,085	(\$347,498)	\$3,213	\$3,285,963	\$79,013
Approved in 2008 COS	\$14,174	\$10,549	(\$3,004)	(\$2,443)	\$13	(\$1,177)		(\$1,181)				
1595-Disposition of Account Balances Approved in 2010 IRM			\$25,686	(\$126,025)	(\$1,175)	\$254	\$89	(\$56)	\$0	(\$1)		İ
1595-Disposition of Account Balances					£4.425.00C	©E44.004						
Approved in 2012 COS					\$1,135,286	\$544,624						1
1595-Disposition of Account Balances							#242.00 E	(#207.200)	\$ 50,050	C4 444		
Approved in 2014 IRM							\$313,895	(\$387,360)	\$56,659	\$1,441		1
1595-Disposition of Account Balances									\$30.526	\$655.040	(\$97,851)	(\$2,300)
Approved in 2015 IRM									φ30,320	\$055,040	(φ97,001)	(\$2,300)
Group 2	,											
1508-IFRS-Other Reg. Assets	\$436,933	\$18,882					\$54,050	(\$5,710)				1
1518-RCVA-Retail	(\$83,312)	(\$3,789)					\$23,714	(\$1,016)				
1532-Renewable Generation Connection							\$85.771	\$12,278				
OM&A Deferral Account							\$65,771	\$12,276				1
1533-Renewable Generation Connection							(\$343,832)	(\$40,785)				
Funding Adder Deferral Account							· · · · · /	V				1
1548-RCVA-STR	(\$211,458)	(\$13,488)					(\$21,168)	(\$3,507)				1
1555-Smart Meter Capital	1555-included in the rate base						\$423,206	\$35,807				
1556-Smart Meter OMA	1556-included in the rate base						\$171,801	\$7,702				
1562-Deferred PILs Account	\$1,151,767	\$628,391										·
1592-PILs & Tax Variance	(\$564,143)	(\$22,383)					(\$50,797)	(\$3,187)				<u> </u>
1521Special Purpose Charge Assesment	(\$37,397)	\$2,194										1
Variance Account	(160,10φ)	Ψ2,134										!
1568- LRAMVA							\$288,941	\$13,680	\$1,028,810	\$30,785	\$393,177	\$6,307
1576- Accounting Changes							(\$805,452)					
TOTAL	(\$2,922,376)	\$541,847	(\$2,822,103)	(\$351,100)	\$6,347,694	\$618,186	\$3,196,827	(\$328,912)	(\$5,196,813)	\$612,288	\$22,459	\$16,681

Account Balances included in the Rate Generator model:

2	Account Balances included in Total Claim:
3	1550 — Low Voltage Variance Account
4	1551 — Smart Metering Entity Charge Variance
5	 1580 — RSVA - Wholesale Market Service Charges
6	 1580 Variance WMS, Sub-Account CBR Class A
7	■ 1580 Variance WMS, Sub-Account CBR Class B
8	 1584 — RSVA - Retail Transmission Network Charge
9	1586 — RSVA - Retail Transmission Connection Charge
10	• 1588 — RSVA - Power (excluding Sub-Account Global Adjustment)
11	1589 — RSVA - Global Adjustment
12	• 1595 — Disposition and Recovery/Refund of Regulatory Balances (2016)
13	Guelph Hydro has included 1568 – LRAM Variance Account in the Continuity Schedule
14	because the total claim of the 2017 balance is considered significant.
15	In its 2016 COS application (EB-2015-0073), Guelph Hydro received approval to
16	dispose of the 2011-2013 LRAMVA balance in the amount of \$302,621, and,
17	successively, the OEB approved the 2014-2015 LRAMVA balance in the amount of
18	\$1,059,595 (2017IRM, EB-2016-0075) and 2016 LRAMVA balance of \$399,484
19	(2018IRM, EB-2017-0044).
20	In early July 2018, the IESO provided Guelph Hydro its 2017 Final Verified Annual
21	Results Report, which has been incorporated into this filing. In this Application, Guelph
22	Hydro is seeking approval for 2017 LRAMVA balance in the amount of \$791,293.
23	Guelph Hydro has allocated the deferral and variance account balances requested for
24	disposition to the rate classes based on the default cost allocation methodology as set

- 1 out in the Report of the Board on Electricity Distributors' Deferral and Variance Account
- 2 Review Initiative, July 31, 2009.

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For account 1595 (2016), Guelph Hydro has used the same share
 proportion that it used in its 2016 COS application (EB-2015-0073).

3.7.1 Wholesale Market Participants (WMP) Rate Rider for Disposition of Deferral/Variance Accounts

- 7 In accordance with the Chapter 3 Filing requirements updated on July 12, 2018, a 8 wholesale market participant (WMP) refers to any entity that participates directly in 9 any of the IESO-administered markets. These participants settle commodity and 10 market-related charges with the IESO even if they are embedded in a distributor's 11 distribution system. As a consequence, Guelph Hydro has not allocated any account 12 balances in Account 1588 RSVA - Power, Account 1580 RSVA - Wholesale Market 13 Services Charge including sub-account CBR Class B balance, and Account 1589 14 RSVA - Global Adjustment to its WMP customers.
- The WMPs settle the Global Adjustment charge directly with the IESO. Therefore,
- Guelph Hydro is proposing not to charge a Rate Rider for the Disposition of Global
- 17 Adjustment Account to the WMPs customers.
- 18 Guelph Hydro ensured that rate riders are appropriately calculated for the following
- remaining charges that are still settled with the Applicant. These include Account
- 20 1584 RSVA Retail Transmission Network Charge, Account 1586 RSVA Retail
- 21 Transmission Connection Charge and Account 1595 Disposition/Refund of
- 22 Regulatory Balances.
- Guelph Hydro currently has three WMP customers which belong to the General
- 24 Service 50 kW to 999 kW class.

- 1 In accordance with Chapter 3 Filing Requirements updated on July 12, 2018, all
- 2 global adjustment (GA) rate riders for applicable classes are calculated on an energy
- 3 basis (kWh).
- 4 Guelph Hydro used the WMPs 2017 metered consumption as reported in 2.1.5.4
- 5 filings.

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3.7.2 Class A Customers Rate Rider for Disposition of the Global Adjustment Account Balance

Guelph Hydro's settlement process with the IESO completely offsets the Class A contribution to the 1589 Global Adjustment balance (described in detail in section 3.7.4.2 of this Application). Therefore, Guelph Hydro is proposing not to charge a Rate Rider for disposition of Global Adjustment Account to the 11 customers who were Class A for the entire 2017 year. For details, please see the 2019 IRM Rate Generator model, Tab 6. Class A Consumption Data and Tab 6.1a GA Allocation.

In accordance with the Chapter 3 Filing Requirements last updated July 12, 2018, distributors who serve Class A customers¹ must allocate the recovery of the global adjustment variance balance based on their settlement process with the IESO for any residual global adjustment variance balances that accrued for Class A transition customers (i.e., customers who transitioned from Class B to A or Class A to B during the period). Guelph Hydro's eligible Class A customers during the 2017 period belonged to General Service 50 to 999 kW, General Service 1000 to 4999 kW and Large Use classes. Beginning July 1, 2017, 44 customers obtained Class A status, but contributed to the global adjustment variance balance prior to this date. The GA contribution of the Class A transition customers was \$1,332,136 for the

¹ As of July 1, 2015, per O.Reg 429/04, an eligible customer with a maximum hourly demand over 3 MW but less than 5 MW, can elect to become a Class A customer for an applicable adjustment period of 1 year. Effective January 1, 2017, the ICI expanded to include all electricity users with an average monthly peak demand over 1 MW. In April 2017, the ICI further expanded eligibility to 500 kW for manufacturing and greenhouse customers to opt-in to the ICI.

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1	period of January 1, 2017 to December 31, 2017, including carrying charges using
2	the OEB's prescribed interest rates. Guelph Hydro completed the Rate Generator
3	Model, Tab 6.1a GA Allocation, to determine monthly equal payments for the Class
4	A transition customers. For additional information regarding the method used by
5	Guelph Hydro to bill the Global Adjustment charge to Class B customers, please
6	see Global Adjustment, Class B Customers in section 3.7.4.2 of this Application.
7	Guelph Hydro proposes to recover the \$1,332,136 balance from the Class A
8	transition customers through customer-specific equal monthly payments over a 12-
9	month disposition period. Guelph Hydro's proposed customer-specific equal monthly
10	payments for its Class A transition customers are summarized in the table below.
11	Customer 2 and 45 in the table below represent one transition customer that was
12	reclassified during 2017 from Large User (Class B during the period of January 1 to
13	June 30, 2017) to General Service 1,000-4,999 kW (Class A during the period of
14	July 1 to December 31, 2017).

<u>Table 11 – Class A Transition Customer GA Monthly Payments</u>

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

		Total	2017
Total Non-RPP Class B Consumption for Years During Balance Accumulation (Non-RPP Consumption LESS WMP Consumption and Consumption for Class A customers who were Class A for partial or			
full year)	Α	376,753,694	376,753,694
Transition Customers' Class B Consumption (i.e. full year or partial			
year)	В	179,479,894	179,479,894
Transition Customers' Portion of Total Consumption	C=B/A	47.64%	

Allocation of Total GA Balance \$

Total GA Balance	D	\$ 2,796,342
Transition Customers Portion of GA Balance	E=C*D	\$ 1,332,136
GA Balance to be disposed to Current Class B Customers through		
Rate Rider	F=D-E	\$ 1,464,206

# of Class A/B Transition Customers	45			1	
Customer	Total Metered Consumption (kWh) for Transition Customers During the Period WhenThey Were Class B Customers	Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers in 2017	% of kWh	Customer Specific GA Allocation for the Period When They Were a Class B customer	Monthly Equal Payments
Customer 1	8,184,295	8,184,295	4.56%	\$ 60,745	\$ 5,062
Customer 2	0	0	0.00%	\$ -	\$ -
Customer 3	5,738,046	5,738,046	3.20%	\$ 42,589	\$ 3,549
Customer 4	6,202,040	6,202,040	3.46%	\$ 46,033	\$ 3,836
Customer 5	6,641,834	6,641,834	3.70%	\$ 49,297	\$ 4,108
Customer 6	6,768,036	6,768,036	3.77%	\$ 50,234	\$ 4,186
Customer 7	7,420,242	7,420,242	4.13%	\$ 55,075	\$ 4,590
Customer 8	5,807,981	5,807,981	3.24%	\$ 43,108	\$ 3,592
Customer 9	5,623,126	5,623,126	3.13%	\$ 41,736	\$ 3,478
Customer 10	6,121,772	6,121,772	3.41%	\$ 45,437	\$ 3,786
Customer 11	6,116,918	6,116,918	3.41%	\$ 45,401	\$ 3,783
Customer 12	4,970,213	4,970,213	2.77%	\$ 36,890	\$ 3,074
Customer 13	3,752,166	3,752,166	2.09%	\$ 27,849	
Customer 14	4,922,492	4,922,492	2.74%	\$ 36,536	
Customer 15	4,714,910	4,714,910	2.63%	\$ 34,995	\$ 2,916
Customer 16	4,298,475	4,298,475	2.39%	\$ 31,904	\$ 2,659
Customer 17	3,947,657	3,947,657	2.20%	\$ 29,300	\$ 2,442
Customer 18	3,835,851	3,835,851	2.14%	\$ 28,470	
Customer 19	3,540,504	3,540,504	1.97%	\$ 26,278	\$ 2,190
Customer 20	2,652,843	2,652,843	1.48%	\$ 19,690	
Customer 21	3,099,907	3,099,907	1.73%	\$ 23,008	\$ 1,917
Customer 22	3,509,781	3,509,781	1.75%	\$ 26,050	\$ 2,171
Customer 23	5,045,375	5,045,375	2.81%	\$ 26,050	
	5,324,409	5,324,409	2.81%	\$ 37,448	
Customer 24 Customer 25					
	6,252,911	6,252,911	3.48% 1.77%	\$ 46,410 \$ 23,533	\$ 3,868
Customer 26	3,170,603	3,170,603			\$ 1,961
Customer 27	6,111,521	6,111,521	3.41%	\$ 45,361	\$ 3,780
Customer 28	2,607,540	2,607,540	1.45%	\$ 19,354	
Customer 29	4,063,920	4,063,920	2.26%	\$ 30,163	\$ 2,514
Customer 30	3,779,245	3,779,245	2.11%	\$ 28,050	\$ 2,338
Customer 31	3,937,447	3,937,447	2.19%	\$ 29,225	\$ 2,435
Customer 32	2,193,286	2,193,286	1.22%	\$ 16,279	\$ 1,357
Customer 33	2,248,578	2,248,578	1.25%	\$ 16,689	
Customer 34	1,728,092	1,728,092	0.96%	\$ 12,826	
Customer 35	 2,440,485	2,440,485	1.36%	\$ 18,114	\$ 1,509
Customer 36	1,318,723	1,318,723	0.73%	\$ 9,788	\$ 816
Customer 37	3,075,727	3,075,727	1.71%	\$ 22,829	\$ 1,902
Customer 38	676,786	676,786	0.38%	\$ 5,023	\$ 419
Customer 39	2,161,847	2,161,847	1.20%	\$ 16,046	\$ 1,337
Customer 40	2,503,363	2,503,363	1.39%	\$ 18,580	\$ 1,548
Customer 41	1,839,374	1,839,374	1.02%	\$ 13,652	\$ 1,138
Customer 42	2,408,686	2,408,686	1.34%	\$ 17,878	\$ 1,490
Customer 43	783,912	783,912	0.44%	\$ 5,818	\$ 485
Customer 44	1,082,418	1,082,418	0.60%	\$ 8,034	\$ 669
Customer 45	6,856,561	6,856,561	3.82%	\$ 50,891	\$ 4,241
Total	179,479,894	179,479,894	100.00%	\$ 1,332,136	

3.7.3 Global Adjustment ("GA") Analysis

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- 2 In accordance with Chapter 3 Filing Requirements updated on July 12, 2018, 3 distributors must complete the GA Analysis Workform to determine whether the annual 4 balance in Account 1589 is reasonable. The Workform compares the General Ledger 5 principal balance to an expected principal balance based on monthly GA volumes, 6 revenues and costs. Distributors may provide reconciling items to explain and reduce 7 the discrepancy between the actual and expected balance. Any unexplained 8 discrepancy greater than +/- 1% of the total annual IESO GA charges will be assessed 9 for materiality and may prompt further analysis before disposition approval.
 - Guelph Hydro bills Non-RPP Class B customers the GA based on the monthly IESO posted 1st Estimate. Guelph Hydro does not bill most of its customers on a calendar month basis. For those customers with billing cycles spanning more than one calendar month, the CIS system bills a weighted average Global Adjustment 1st Estimate rate.
 - Guelph Hydro has completed the GA Analysis Workform for 2017 GA activity and filed it in Appendix 7 of this Application. Guelph Hydro prepared a separate file Appendix7_Guelph_Reconciling Items_GA Analysis.xls which has four tabs to support the GA reconciling items.
 - Tab 1.GA Detailed Analysis demonstrates billing the weighted average GA rate for customers with billing cycles spanning more than one calendar month.
 - Tab 2.RPP True-up presents Guelph Hydro's quarterly RPP Settlement GA True-up claims.
 - Tab 3.IESO Invoice Analysis demonstrates the impact of IESO adjustments to Charge Type 148 Class B Global Adjustment Settlement Amount charged to Guelph Hydro.

 Tab 4.UBR Retailer Contract details the accrual of unbilled retailer customers using an historical weighted average GA 1st Estimate rate rather than the IESO posted 1st Estimate.

Guelph Hydro's 2017 principal balance in the General Ledger is \$2,918,422 and the expected balance is \$965,204. The GA balance discrepancy is -\$1,953,218. Guelph Hydro has identified five reconciling items to reduce the discrepancy between actual and the expected balance. Reconciling items 1 to 3 are the effect of the lessons learned from the previous 2018 IRM – GA Analysis work-form; Guelph Hydro adjusted its processes (i.e. RPP settlement GA true-up, and unbilled revenue) to align with the GA Analysis reasonableness test and avoid any future discrepancies in 1589-Global Adjustment variance account.

Reconciling Item 1: GA from prior year RPP Settlement true up process that were booked in 2017.

Reference: 2019-IRM-Rate-Generator model, Tab. 3 Continuity Schedule, and Appendix7_Guelph_Reconciling Items_GA Analysis.xls, Tab 2.RPP True-up

In 2016, Guelph Hydro conducted RPP Settlement true-ups on a quarterly basis and in 2017, conducted RPP Settlement true-ups on a monthly basis beginning in June 2017. In the January 2017 IESO RPP Settlement submission, Guelph Hydro claimed a \$54,994 payment to IESO for the 2016 fourth quarter GA true-up. This true-up amount was captured in the 2017 GA principal balance in the GLs. For Guelph Hydro's 2018 IRM application (EB-2017-0044), the \$54,994 was included in the 2016 activity as directed by the OEB. As a result, this amount needs to be reversed in the 2017 activity. Guelph Hydro has adjusted the Tab 3. Continuity Schedule to include this amount in the 2017 Principal Adjustments column.

Reconciling Item 2: GA from current year RPP Settlement true up process that are booked in 2018 year

1 Reference: 2019-IRM-Rate-Generator model, Tab. 3 Continuity Schedule, and 2 Appendix7 Guelph Reconciling Items GA Analysis.xls, Tab 2.RPP True-up 3 In the January 2018 IESO RPP Settlement submission, Guelph Hydro claimed a 4 \$145,888 payment from IESO for the December 2017 GA true-up and to correct 5 the previous 12-month true-ups based on the load month consumption applicable 6 to the monthly GA rates. This true-up amount is not captured in the 2017 GA 7 principal balance in the GLs. Guelph Hydro has adjusted the Tab 3. Continuity 8 Schedule to include this amount in the 2017 Principal Adjustments column. 9 **Reconciling Item 3:** Unbilled Revenue Differences 10 Reference: Appendix7_Guelph_Reconciling Items_GA Analysis.xls, Tab 4. UBR 11 **Retailer Contract** 12 From January to June 2017, Guelph Hydro accrued amounts for unbilled retailer 13 customers using a weighted average historical GA rate. This is a different unbilled 14 method than the method expected in the GA Analysis model at the IESO-posted 15 1st Estimate GA rate. Beginning July 2017, Guelph Hydro accrued amounts for 16 unbilled retailer customers using the IESO-posted 1st Estimate GA rate. In Tab 4. 17 UBR Retailer Contract, Guelph Hydro has calculated the difference between 18 unbilled revenue at first estimate GA rate and unbilled revenue at weighted 19 average historical GA rate for the first six months of 2017 in the amount of 20 \$(37,942.24). 21 Reconciling Item 4: Billed GA Differences 22 Reference: Appendix7 Guelph Reconciling Items GA Analysis.xls, Tab. 1 GA 23 **Detailed Analysis** 24 The GA Analysis model assumes that a Distributor bills customers on a calendar 25 month basis. Guelph Hydro does not bill most of its customers on a calendar

month basis. For those customers with billing cycles bridging two calendar months, the CIS system bills a weighted average GA 1st Estimate rate. This analysis is presented in Tab 1.GA Detailed Analysis columns O to R, with column S demonstrating the monthly average GA rate billed to customers in 2017. Based on this analysis, the GA Analysis model expectation (cell K26) is greater than the GA amount Guelph Hydro collected (cell O26) by \$896,689.38. **Reconciling Item 5:** IESO Invoice Adjustments to Charge Type 148 Reference: Appendix7 Guelph Reconciling Items GA Analysis.xls, Tab 3. IESO **Invoice Analysis** Throughout 2017, the IESO made numerous adjustments to the amount charged to Guelph Hydro for charge type 148 Class B Global Adjustment Settlement Amount. Adjustments of \$2,398,010.50 throughout 2017 were made in the IESO preliminary statement and an almost offsetting amount of \$(2,932,568.13) adjustments were made to the final statement. The overall impact is \$(534,557.63) in adjustments to charge type 148 during 2017. The loss factor presented in the GA Analysis Work Form is 1.019, which is below Guelph Hydro's approved loss factor of 1.0260 for secondary metered customers below 5,000 kW. The lower loss factor is the result of having a mix of non-RPP Class B customers that are secondary metered as well as primary metered with a lower loss factor of 1.0157. In addition, Guelph Hydro had two primary metered Large Use customers that were Class B for the first half of 2017 with a loss factor of 1.0036. Due to the amendments to O.Reg. 429/04 for the Industrial Conservation Initiative in 2017, Guelph Hydro added 44 new Class A customers to the existing 11 Class A customers. As a result of the additional Class A customers, the volume of billed non-

RPP Class B consumption significantly dropped beginning in August 2017.

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- 1 The outcome of the reconciled GA Analysis is an unexplained discrepancy of 0.5% for
- 2 the 2017 GA balance. This is within the +/-1% threshold, indicating Guelph Hydro's
- 3 2017 GA balance is reasonable. A summary of the GA reasonableness is presented in
- 4 the table below:

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<u>Table 12 – GA Analysis Summary</u>

	Input cells		
	Drop down cells		
		Utility Name	GUELPH HYDRO ELECTRIC SYSTEMS INC.
Note 1	Year(s) Requested for Disposition		□ 2014
			□ 2015
			2016
			☑ 2017

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

							Unresolved
		Net Change in	Reconciling Items	Adjusted Net Change in		\$ Consumption at	Difference as % of
	Annual Net Change in Expected GA Balance from GA Analysis (cell	Principal Balance in the	(sum of cells C63	Principal Balance in the	Unresolved	Actual Rate Paid	Expected GA
Year	K51)	GL (cell C62)	to C75)	GL (cell C76)	Difference	(cell J51)	Payments to IESO
2014	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.0%
2015	-	\$ -	\$ -	\$ -	\$	\$ -	0.0%
2016	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.0%
2017	\$ 965,204	\$ 2,918,422	-\$ 1,670,071	\$ 1,248,351	\$ 283,147	\$ 56,931,768	0.5%
Cumulative Balance	\$ 965,204	\$ 2,918,422	-\$ 1,670,071	\$ 1,248,351	\$ 283,147	\$ 56,931,768	N/A

3.7.3.1 GA Methodology Description - Appendix A of OEB's Instructions for Completing GA Analysis Work-form - Questions on Accounts 1588 & 1589²

- 1. In booking expense journal entries for Charge Type (CT) 1142 and CT 148 from the IESO invoice, please confirm which of the following approaches is used:
 - a. CT 1142 is booked into Account 1588. CT 148 is pro-rated based on RPP/non-RPP consumption and then booked into Account 1588 and 1589 respectively.
 - b. CT 148 is booked into Account 1589. The portion of CT 1142 equaling RPP minus HOEP for RPP consumption is booked into Account 1588. The portion of CT 1142 equaling GA RPP is credited into Account 1589.
 - c. If another approach is used, please explain in detail.
 - Guelph Hydro confirms that approach b. is used in booking expense journal entries for Charge Type 1142 and Charge Type 148 from the IESO invoice.

13 2. Questions on CT 1142

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a. Please describe how the initial RPP related GA is determined for settlement forms submitted by day 4 after the month-end (resulting in CT 1142 on the IESO invoice).

For the current IESO settlement month, Guelph Hydro extracts billed customer RPP commodity charges (TOU and tier pricing) from the General Ledger activity and extracts billed consumption for RPP customers from the CIS system. Guelph Hydro then applies the IESO 2nd estimate GA rate to all RPP billed consumption (TOU and Two-Tier) to determine the initial RPP related GA for settlement.

²In all references in the questions relating to amounts booked to accounts 1588 and 1589, amounts are not booked directly to accounts USoA 1588 and 1589 relating to power purchase transactions but are rather booked to the cost of power USoA 4705 Power Purchased, and 4707, Charges – Global Adjustment, respectively. However, accounts 1588 and 1589 are impacted the same way as account 4705 and 4707 are for cost of power transactions.

1 b. Please describe the process for truing up CT 1142 to actual RPP kWh, including 2 which data is used for each TOU/Tier 1&2 prices, as well as the timing of the 3 true up. 4 For 2017, Guelph Hydro settled Charge Type 1142 based on billed RPP kWh 5 each month. Guelph Hydro calculated the Actual GA charges by applying the corresponding Actual GA rate to the RPP kWh consumption submitted to the 6 7 IESO for the month. The monthly true-up is the difference between the Actual GA calculation minus the 2nd estimate GA submitted to the IESO. Each month 8 9 Guelph Hydro submits a GA true-up to the IESO for the prior month. In the 10 January 2018 RPP settlement submitted in February 2018, Guelph Hydro 11 corrected the previous 12-month true-ups to be based on the load month 12 consumption applicable to the monthly GA rates. Until June 2017 this process 13 was completed quarterly. As directed in the OEB letter Guidance on the 14 Disposition of Accounts 1588 and 1589 issued on May 23, 2017, Guelph Hydro 15 now conducts GA true-up claims on a monthly basis beginning June 1, 2017. 16 c. Has CT 1142 been trued up for with the IESO for all of 2017? 17 Guelph Hydro confirms that CT 1142 has been trued up with the IESO for all of 18 2017. 19 d. Which months from 2017 were trued up in 2018? 20 Guelph Hydro claimed a \$145,888 payment from IESO for the December 2017 21 GA true-up and to correct the previous 12-month true-ups based on the load 22 month consumption applicable to the monthly GA rates. 23 e. Have all of the 2017 related true-up been reflected in the applicant's DVA 24 Continuity Schedule in this proceeding?

Guelph Hydro confirms that all of the 2017 true-ups have been reflected in the DVA Continuity Schedule through monthly activity for true-ups captured in the 2017 General Ledger transactions or as an adjustment in the DVA Continuity Schedule for transactions occurring in 2018 General Ledger activity.

f. Please quantify the amount reflected in the DVA Continuity Schedule, and the column where it is included.

In the January 2017 RPP settlement filed in February 2017, Guelph Hydro claimed a \$54,994 payment to IESO pertaining to the fourth quarter 2016 GA true-up. This amount is reflected as an adjustment in the DVA Continuity Schedule in 2017 cell BF29. In the January 2018 RPP settlement filed in February 2018, Guelph Hydro claimed a \$145,888 payment from IESO for the December 2017 GA true-up and to correct the previous 12-month true-ups based on the load month consumption applicable to the monthly GA rates. This amount is reflected as an adjustment in the DVA Continuity Schedule in 2017 cell BF29.

3. Questions on CT 148

a. Please describe the process for the initial recording of CT 148 in the accounts (i.e. 1588 and 1589).

The GA variance account 1589 captures the difference between the amounts billed to non-RPP customers on 1st estimate and the actual amount paid by Guelph Hydro to the IESO for non-RPP customers (i.e. the IESO charge 148 – Class B GA charge minus the GA attributed to RPP settlement included in the IESO charge 142, now 1142 – RPP settlement amount). For each RPP settlement claim, Guelph Hydro tracks the GA amount attributed to RPP customers (including the GA true-up amount), then allocates this amount to Account 1588 when recording Charge Type 148.

1	b.	Please describe the process for true up of the GA related cost to ensure that the
2		amounts reflected in Account 1588 are related to RPP GA costs and amounts in
3		1589 are related to only non-RPP GA costs.
4		For each RPP settlement claim, Guelph Hydro tracks the GA amount attributed
5		to RPP customers (including the GA true-up amount), then allocates this amount
6		to Account 1588 when recording Charge Type 148.
7	C.	What data is used to determine the non-RPP kWh volume that is multiplied with
8		the actual GA per kWh rate (based on CT 148) for recording as expense in
9		Account 1589 for initial recording of the GA expense?
10		For initial recording of the GA expense in Account 1589, Guelph Hydro does not
11		use non-RPP kWh volume multiplied with the Actual GA rate. Rather, Guelph
12		Hydro records Charge Type 148 by allocating the GA amount attributed to RPP
13		customers (including the GA true-up amount) claimed in RPP settlement to
14		Account 1588 and the remaining portion of Charge Type 148 is recorded in
15		Account 1589 for non-RPP Class B customers.
16	d.	Does the utility true up the initial recording of CT 148 in Accounts 1588 and 1589
17		based on estimated proportions to actuals based on actual consumption
18		proportions for RPP and non-RPP?
19		In the January 2018 RPP settlement filed in February 2018, Guelph Hydro
20		claimed a \$145,888 payment from IESO for the December 2017 GA true-up and
21		to correct the previous 12-month true-ups based on the load month consumption
22		applicable to the monthly GA rates. This correction brought the estimated
23		proportions to actual consumption proportions for RPP and non-RPP and was
24		reflected in Accounts 1588 and 1589.

1		e.	Please indicate which months from 2017 were trued up in 2018 for CT 148
2			proportions between RPP and non-RPP.
3			Guelph Hydro confirms that the month of December 2017 and corrected the
4			previous 12-month true-ups to be based on the load month consumption
5			applicable to the monthly GA rates were trued up in 2018 for Charge Type 148
6			proportions between RPP and non-RPP.
7		f.	Are all true-ups for 2017 consumption reflected in the DVA Continuity Schedule
8			under 2017.
9			Guelph Hydro confirms that all true-ups for 2017 consumption are reflected in
10			the DVA Continuity Schedule as an amount of \$(145,888) in Account 1589.
11		g.	Please quantify the amount reflected in the DVA Continuity Schedule, and the
12			column where it is included.
13			Guelph Hydro has reflected a payment due from the IESO for December 2017
14			GA true-up and corrected the previous 12-month true-ups to be based on the
15			load month consumption applicable to the monthly GA rates in the amount of
16			\$145,887.61 in the DVA Continuity Schedule in the Principal Adjustments during
17			2017 Column (cell BF29) as part of the \$(200,882) amount.
18	4.	Qı	uestions regarding principal adjustments and reversals on the DVA Continuity
19		Sc	chedule:
20			
21		Qι	uestions on Principal Adjustments - Accounts 1588 and 1589
22		a.	Did the applicant have principal adjustments in its 2018 rate proceeding which
23			were approved for disposition?

1 Guelph Hydro confirms that there were principal adjustments in its 2018 rate 2 proceeding which were approved for disposition. 3 b. Please provide a break-down of the total amount of principal adjustments that 4 were approved (e.g. true-up of unbilled (for 1589 only), true up of CT 1142, true 5 up of CT 148 etc.). The break-down of the total amount of principal adjustments that were approved 6 7 are as follows: 8 True up of CT 148 for 2016 recorded in 2017 G/L \$54,994 accrued in 9 2016 DVA Continuity as directed by the Board. 10 Further principal adjustments of \$(2,089,987) and \$2,089,987 in accounts 11 1588 and 1589 respectively due a misallocation between the accounts for 12 GA related to Non-RPP accounts. 13 c. Has the applicant reversed the adjustment approved in 2018 in its current 14 proposed amount for disposition? 15 Guelph Hydro confirms that the 2016 accrual adjustment included in the 16 Principal Adjustments for 2016 for \$54,994 has been reversed (cell BF29). The 17 other adjustments were one-time adjustments and were not required to be 18 reversed. 19 d. Please provide a breakdown of the amounts shown under principal adjustments 20 in the DVA Continuity Schedule filed in the current proceeding, including the 21 reversals and the new true up amounts regarding 2017 true ups. 22 The breakdown of the adjustments included under principal adjustments in the 23 DVA Continuity Schedule filed by Guelph Hydro for the 2019 IRM application are 24 as such:

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1 2 3		2016 Reversal of True-up recorded in 2017 G/L 2017 Accrual of True-up recorded in 2018 G/L Total Principal Adjustments	\$(54,994) \$(145,888) \$(200,882)
4 5 6	e.	Does the amount calculated in part d. above reconcile to adjustments shown in the DVA Continuity Schedule for If not, please provide an explanation.	
7		Guelph Hydro confirms that the amount calculated above	e in part d. reconciles to
8		the principal adjustments (cell BF29) shown in the DVA	Continuity Schedule for
9		the 2019 IRM application.	
10	f.	Please confirm that the principal adjustments shown on	the DVA Continuity
10 11	f.	Please confirm that the principal adjustments shown on Schedule are reflected in the GL transactions. As an ex	•
	f.	· · ·	ample, the unbilled to
11	f.	Schedule are reflected in the GL transactions. As an ex	ample, the unbilled to e applicant's GL in the
11 12	f.	Schedule are reflected in the GL transactions. As an exactual true-up for 1589 would already be reflected in the	ample, the unbilled to e applicant's GL in the estment related to
11 12 13	f.	Schedule are reflected in the GL transactions. As an exactual true-up for 1589 would already be reflected in the normal course of business. However, if a principal adjust	ample, the unbilled to e applicant's GL in the estment related to
11 12 13 14	f.	Schedule are reflected in the GL transactions. As an exactual true-up for 1589 would already be reflected in the normal course of business. However, if a principal adjust proportions between 1588 and 1589 was made, applications.	ample, the unbilled to e applicant's GL in the estment related to ent must ensure that the
11 12 13 14 15	f.	Schedule are reflected in the GL transactions. As an exactual true-up for 1589 would already be reflected in the normal course of business. However, if a principal adjust proportions between 1588 and 1589 was made, applicated. GL reflects the movement between the two accounts.	ample, the unbilled to e applicant's GL in the stment related to ant must ensure that the

is reflected in the 2018 General Ledger transactions.

3.7.4 Description of Settlement Process

2	The Board's filing requirements for 2019 Rate Applications require each distributor to
3	provide a description of its settlement process with the IESO or host distributor.
4	Distributors must specify the Global Adjustment (GA) rate used for billing each rate
5	class and confirm that the rate is applied consistently for all billing and unbilled revenue
6	transactions for non-RPP Class B customers, itemize the process for providing
7	consumption estimates to the IESO, describe the true-up process to reconcile
8	estimates of RPP and non-RPP consumption once actuals are known, and describe
9	internal control tests for validating estimated and actual consumption used in RPP
10	settlement and true-up adjustments.
11	Settlement with the IESO or Host Distributor
12	Guelph Hydro does not have a host distributor and settles directly with the IESO.
13	GA Rate Used for Billing & Unbilled Revenue
14	Guelph Hydro bills all non-RPP Class B customers based on the monthly 1st estimate
15	GA rate posted on the IESO's website.
16	For the monthly unbilled revenue estimate, Guelph Hydro uses the 1st estimate GA rate
17	for non-RPP Class B customers, except for the Street Lighting class and RPP eligible
18	customers signed with a retailer. For these customers, Guelph Hydro applied a
19	weighted average 1 st estimate GA rate in the unbilled revenue estimate. The difference
20	in the GA rates used for unbilled revenue calculations was identified as a reconciling
21	item in the 2018 GA Analysis Work Form during the 2018 IRM rate proceedings (EB-
22	2017-0044). Beginning in July 2017, as a result of completing the 2018 GA Analysis
23	Work Form, Guelph Hydro improved the consistency of its unbilled revenue estimate by
24	applying the monthly 1st estimate GA rate to estimated consumption for the Street
25	Lighting class and RPP eligible customers signed with a retailer, rather than the
26	weighted average 1 st estimate GA rate. Guelph Hydro confirms that the 1 st estimate GA

1 rate is applied consistently for all billing and unbilled revenue transactions for non-RPP 2 Class B customers in each class beginning in July 2017. 3 **RPP Settlement Data** 4 Guelph Hydro's billing system captures RPP prices coincidently with corresponding 5 Weighted Average Hourly Spot Price ("WAHSP"). Although only RPP prices are 6 charged and presented on the RPP customers' bills, the billing system keeps track of 7 WAHSP correspondent to RPP consumption and RPP charges. This billing structure 8 allows a perfect settlement as it relates to the difference of RPP minus WAHSP. 9 Therefore, Guelph Hydro prepares the monthly RPP settlement (RPP minus WAHSP) 10 using billed RPP consumption available in Guelph Hydro's Customer Information 11 System (CIS). As a result, Guelph Hydro does not true-up for this portion of the RPP 12 settlement (i.e. RPP minus WAHSP). 13 Guelph Hydro true-ups the GA based on billed consumption multiplied by the difference between the 2nd estimate GA rate (used in RPP settlement submission) and the Actual 14 GA rate. 15 16 In Guelph Hydro's 2018 IRM proceedings (EB-2017-0044), Guelph Hydro recognized 17 the need to develop a method for identifying consumption attributed to each load-18 month. A guery was developed which uses the year-end mass rate change of 19 December 31 to identify consumption for the load-month of December that was billed in 20 the calendar month of January. Currently this query functions only on a mass rate 21 change date. It would be onerous and unproductive to complete mass rate changes in 22 Guelph Hydro's CIS each month for the purpose of extracting consumption of each load 23 month for RPP settlement. For this reason, Guelph Hydro trued-up to the actual RPP

consumption using a mass year-end rate change query and corrected the GA true-up to

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load-month in January 2018.

1 Further details of the RPP settlement process is discussed in Section 3.7.4.1 of this 2 Application. 3 Method for Estimating RPP & non-RPP consumption and Treatment of Embedded 4 Generation & Embedded Distributor Volumes 5 As previously stated, Guelph Hydro prepared the 2017 RPP settlement (RPP minus WAHSP) based on billed RPP consumption volumes, and corrected the GA true-up to 6 7 load-month in January 2018 by using a mass year-end rate change query. 8 Guelph Hydro gathers billed embedded generation volumes to complete the IESO's 9 monthly RESOP, microFIT, and FIT settlements. Guelph Hydro maintains a General 10 Ledger account for each contract price that exists to-date under the RESOP, FIT and 11 microFIT programs. The monthly embedded generation volumes that flow into Guelph 12 Hydro's distribution system are determined by dividing the month-end General Ledger 13 account balances for each contract price by the associated contract price. These 14 volumes, including generation exceeding load for net metered customers, are also 15 submitted as part of the Class A and Embedded Generation monthly submission. The 16 IESO adds the distributors' reported embedded generation volumes to the AQEW to 17 calculate the total quantity of supply used to determine dollar amounts to invoice 18 distributors for Global Adjustment. More information related to the monthly RESOP, 19 microFIT and FIT settlements is described in Sections 3.7.4.3 and 3.7.4.4 of this 20 Application. 21 Guelph Hydro currently has three wholesale market participant ("WMP") customers 22 which belong to the General Service 50 kW to 999 kW class. A WMP refers to any 23 entity that participates directly in any of the IESO-administered markets. These 24 participants settle commodity and market-related charges (including Global Adjustment) 25 with the IESO even if they are embedded in a distributor's distribution system. As a 26 consequence, consumption volumes related to WMP do not contribute to non-RPP

- 1 Class B volumes for Accounts 1580, 1588 and 1589 and are not included in these
- 2 accounts balances.

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- 3 Guelph Hydro does not have any embedded distributors within its service territory and
- 4 therefore there are no distribution customers on RPP.

Internal Controls for RPP Settlement

- As directed in the OEB letter Guidance on the Disposition of Accounts 1588 and 1589
- 7 issued on May 23, 2017, distributors should ensure that they have appropriate controls,
- 8 processes and systems in place relating to RPP settlement claims in order to:
 - Accurately and on a timely basis calculate RPP transactions and claims to the IESO.
 - o For IESO settlement purposes, Guelph Hydro's billing system is setup to determine Weighted Average Hourly Spot Price ("WAHSP") charges based on billed consumption for RPP customers. WAHSP and RPP charges are tracked in separate General Ledger accounts. Guelph Hydro adds the estimated GA charges based on the IESO 2nd estimate and RPP billed consumption at the corresponding WAHSP charges. The amount settled with the IESO is the difference between billed RPP commodity (TOU and tier pricing) minus the sum of corresponding WAHSP and GA charges. Guelph Hydro maintains separate General Ledger accounts to track the RPP settlement and GA settlement portions pertaining to RPP customers.
 - During 2017, Guelph Hydro submitted all monthly RPP settlement claims to the IESO on or before the fourth business day after calendar monthend.
 - Provide reasonable assurance of the validity and accuracy of RPP claims.

1	 Guelph Hydro prepares a monthly IESO RPP settlement reconciliation to
2	ensure that RPP settlement related General Ledger activity is nil at month
3	end.
4	o Based on a year-end mass rate change on December 31, Guelph Hydro
5	can true-up to actual consumption for the load month of December that is
6	billed in the calendar month of January.
7	 Accurately describe the processes conducted to submit RPP claims to the IESO
8	if requested.
9	 Guelph Hydro`s RPP settlement claims process is described in Section
10	3.7.4.1 of this Application.
11	 Determine the amount of the settlement claims that pertain to RPP true-up
12	adjustments for the previous fiscal year.
13	 Guelph Hydro tracks separately each monthly and quarterly RPP GA true-
14	up adjustment and can therefore identify the amount of the claim
15	pertaining to the GA true-up for the previous fiscal year.
16	RPP Settlement Process
17	Guelph Hydro determines RPP eligibility for small business (General Service less than
18	50 kW) customers by performing annual customer reclassification based on annual
19	consumption (i.e. if annual consumption is less than 250,000 kWh, the customer meets
20	the RPP eligibility).
21	On a monthly basis, Guelph Hydro calculates an amount payable/receivable to/from the
22	IESO to settle for the previous month. The settlement figures are communicated to the
23	IESO via an online portal on or before the fourth business day of the month and appear
24	under certain charge types on the IESO invoice, which arrives mid-month. This process
25	ensures that the IESO and Guelph Hydro are appropriately compensated for various

government-mandated rates/plans/programs:

1 2	The Regulated Price Plan (RPP) – charge type 142 & Ontario Fair Hydro Plan Eligible RPP Consumer Discount Settlement Amount – charge type 1142
3	2. Global Adjustment (GA) – charge type 147 and 148
4	3. Renewable Energy Standard Offer (RESOP) Program – charge type 1410
5	4. Feed-In-Tariff (FIT) Program – charge type 1412
6	A further explanation of each component of this settlement process is provided below.
7 8	3.7.4.1 Commodity Accounts 1588 and 1589 - Regulated Price Plan Settlement and True-up
9	RPP Settlement
10	Guelph Hydro claims the difference between Regulated Price Plan ("RPP") rates
11	applied to RPP customers, and the sum of the corresponding consumption at the
12	Weighted Average Hourly Spot Price ("WAHSP") and Global Adjustment ("GA") at 2 nd
13	estimate GA rate in IESO Form (formerly 1598) each month. The process is completed
14	using General Ledger activity and meter data available from Guelph Hydro's Customer
15	Information System ("CIS").
16	For the current IESO settlement month, Guelph Hydro extracts billed customer RPP
17	commodity charges (TOU and tier pricing) from the General Ledger activity and
18	extracts billed consumption for RPP customers from the CIS system. For IESO
19	settlement purposes, Guelph Hydro's billing system is setup system to determine the
20	WAHSP charges based on corresponding billed consumption for RPP customers.
21	WAHSP and RPP charges are tracked in separate General Ledger accounts. Guelph
22	Hydro adds the estimated GA charges based on the IESO 2 nd estimate and WAHSP
23	charges attributed to RPP billed consumption. The amount settled with the IESO is the
24	difference between the billed RPP commodity (TOU and tier pricing) and the sum of the

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1 WAHSP and GA charges. Guelph Hydro maintains separate General Ledger accounts 2 to track the RPP settlement and GA settlement portions, which are both tracked in 3 USoA 4705 account. Guelph Hydro extracts from General Ledger activity the Final 4 Variance Settlement Amount (FSVA) for customers who have exited the RPP in the current IESO settlement month (as of July 1st, 2017 this activity has been suspended). 5 6 RPP Settlement True-ups 7 Each month Guelph Hydro submits a GA true-up to the IESO for the prior month. Until 8 June 2017 this process was completed quarterly. Guelph Hydro calculates the Actual 9 GA charges by applying the corresponding Actual GA rate to the kWh consumption 10 submitted to the IESO for the month. The monthly true-up is the difference between 11 the Actual GA calculation minus the estimated GA submitted to the IESO based on the 12 2nd estimate. In the January 2018 RPP settlement submitted in February 2018, Guelph 13 Hydro claimed a GA true-up for December 2017 and a correction for the previous 12-14 month GA true-ups to be based on load month consumption applicable to the Actual 15 GA rate. GA true-ups are captured within USoA 4705 as well. As directed in the OEB 16 letter Guidance on the Disposition of Accounts 1588 and 1589 issued on May 23, 2017. 17 Guelph Hydro began conducting GA true-up claims on a monthly basis on June 1, 18 2017. 19 The RPP portion of the IESO Charge Type ("CT") 148 Global Adjustment is reflected in 20 Account 1588 RSVA Power. 21 The non-RPP portion of the CT 148 Global Adjustment is reflected in Account 1589 22 Global Adjustment. 23 Certification of Evidence 24 Certification of processes and internal controls related to commodity accounts 1588 25 RSVA Power and 1589 RSVA GA balances is found in Section 3.7.6 of this Application.

3.7.4.2 Global Adjustment

2	Class B Customers
3	Guelph Hydro relies on accrual accounting. All non-RPP Class B customers are billed
4	using the IESO's Global Adjustment 1 st estimate. The billed amounts are tracked in
5	USoAs 4006-4055, depending on customer classifications.
6	The actual GA amount Guelph Hydro is billed by the IESO to service non-RPP Class B
7	customers is tracked in USoA 4707.
8	The GA variance account 1589 captures the difference between the amounts billed to
9	non-RPP customers on 1st estimate and the actual amount paid by Guelph Hydro to the
0	IESO for non-RPP customers (i.e. the IESO CT 148 – Class B GA charge minus the
1	GA attributed to RPP settlement included in the IESO charge 142, now 1142 – RPP
2	settlement amount).
3	Class A Customers
4	Effective July 1, 2015, per O. Reg. 429/04, an eligible customer with a maximum hourly
5	demand over three megawatts, but less than five megawatts, can elect to become a
6	Class A customer for an applicable adjustment period of one year. Table 13 details the
7	number of Class A customers Guelph Hydro historically serves.
8	Effective July 1, 2017 under the Fair Hydro Act, 2017, O. Reg. 429/04 was amended
9	such that an eligible customer with a maximum hourly demand over one megawatt, but
20	less than five megawatts, and manufacturing or greenhouse customers with average
21	demand between 500-1,000 kW could elect to become a Class A customer for an
22	applicable adjustment period of one year.
23	Annually, Guelph Hydro reviews its large customer Class A eligibility by calculating the
24	customer's average demand during the twelve-month base period of May 1 to April 30.

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1	For the May 1, 2016 to June 30, 2017 Base Period, if the customer had average
2	demand above 1 MW, or between 500-1,000 kW and is identified by NAICS code
3	commencing with "31", "32", "33" or "1114", the customer met the eligibility of Class A. I
4	the customer had average demand above 5 MW, the customer was automatically
5	classified as a Class A customer.
6	Guelph Hydro calculates its own peak demand factor (PDF) by collecting the sum of
7	participating Class A customer demand during the top 5 Ontario peaks divided by the
8	sum of Ontario's demand during the top 5 peaks (communicated by the IESO). Guelph
9	Hydro confirms its PDF calculation once it receives its PDF from the IESO at the end of
10	May.
11	To settle Class A customers' actual GA amounts, Guelph Hydro first calculates the total
12	Ontario GA cost by taking the 147 - IESO charge and dividing it by Guelph Hydro's
13	PDF (the sum of Guelph Hydro's Class A customer PDFs). Once total GA costs are
14	determined, this is then multiplied by a specific Class A customer's PDF to determine
15	that customer's Class A GA charge for the month. The second step is repeated for all
16	Class A customers to determine their Class A GA charge for the month. The PDF for
17	each individual Class A customer is calculated as the sum of the five customer demand
18	peaks registered during the base period divided by the sum of the Ontario demand
19	peaks determined by the IESO.

Table 13 - Number of Class A Customers

Adjustment Period	Number of Class A Customers	Combined Peak Demand Factor
July 1, 2014 to June 30, 2015	6	0.00198622
July 1, 2015 to June 30, 2016	13	0.00292400
July 1, 2016 to June 30, 2017	11	0.00234666
July 1, 2017 to June 30, 2018	55	0.00438152
July 1, 2018 to June 30, 2019	61	0.00467176

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Prior to the amendments to O. Reg. 429/04 in 2015, Guelph Hydro served four Class A customers above 5,000 kW and two Class A customers below 5,000 kW that regained Class A status under section 6.2 of O. Reg. 429/04 due to participation in eligible IESO (formerly OPA) conservation programs.

As a result of amendments to the Industrial Conservation Initiative (ICI) program and O.

Reg. 429/04 in 2015, Guelph Hydro added six new Class A eligible customers in the

General Service 1,000-4,999 kW rate class and added one customer due to

reclassification to the Large Use rate class.

Beginning July 1, 2016, Guelph Hydro added one new Class A eligible customer in the General Service 1,000-4,999 kW rate class, and had one General Service 1,000-4,999

kW and two Large Use customers opt-out of Class A.

Under the *Fair Hydro Act, 2017*, the ICI program and O. Reg. 429/04 were amended to allow customers with average demand of one megawatt or more, and manufacturing or greenhouse customers with average demand between 500-1,000 kW to participate as a Class A customer. Beginning July 1, 2017, Guelph Hydro added 44 new Class A eligible customers to the existing 11 Class A customers; two in the Large Use rate class

1 (both previously Class A in the July 1, 2015 to June 30, 2016 Adjustment Period), 30 in 2 the General Service 1,000-4,999 kW rate class, and 12 in the General Service 50-999 3 kW rate class. Beginning July 1, 2018, Guelph Hydro had 61 Class A customers; 53 4 existing Class A customers and eight new Class A eligible customers opted in, one 5 existing Class A customer made the decision to opt-out, and another existing Class A 6 customer no longer met the demand related eligibility criteria to participate. 7 Effective on the date a customer becomes Class A, they are billed on actual global 8 adjustment charges and do not contribute to the GA variance in Account 1589. 9 3.7.4.3 Renewable Energy Standard Offer Program (RESOP) Settlement Amount 10 Guelph Hydro has two customers under the RESOP program. Each month the General 11 Ledger activity is used to determine the actual credit amounts remitted during the month to RESOP customers. The RESOP credit minus WAHSP is settled with the 12 13 IESO. 3.7.4.4 Feed-In-Tariff Program Settlement Amount 14 15 Guelph Hydro maintains a pair of General Ledger accounts for each contract price that 16 exists to date under the FIT and microFIT program. One account tracks the amount 17 credited to FIT or microFIT customers at the applicable contract price during the month, 18 the second account tracks the value of the electricity commodity which has flowed into 19 Guelph Hydro's distribution system from FIT and microFIT generators (found by 20 multiplying the kWh generated by the weighted average hourly spot price ("WAHSP") 21 for the applicable billing period).

Guelph Hydro settles with the IESO the difference between the credits issued to

sold within Guelph Hydro's distribution system.

customers and the value of the electricity commodity which has been generated and

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3.7.5 Capacity Based Recovery (CBR)

- 2 Guelph Hydro follows the OEB's Accounting Guidance on CBR issued on July 25,
- 3 2016.

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- 4 Guelph Hydro bills Class A customers their share of the actual CBR charge, equal to
- 5 Charge Type 1350 on the IESO invoice, based on their respective Peak Demand
- 6 Factor. Wholesale Market Participants are billed by the IESO for CBR. Costs recorded
- 7 under Charge Type 1350 for CBR for Class A consumption are recorded in Account
- 8 4708 Charges WMS, Sub-account CBR Class A.
- 9 Guelph Hydro's settlement process with the IESO offsets to zero the Class A
- 10 contribution to the 1580 WMS Sub-account CBR Class A balance. Therefore, Guelph
- Hydro is proposing not to charge a Rate Rider for disposition of CBR Class A Account
- to the 11 Class A customers who were Class A for the entire 2017 year.
- 13 In accordance with the Chapter 3 Filing Requirements last updated July 12, 2018,
- distributors who serve Class A customers must allocate the recovery of the CBR Class
- B variance balance based on their settlement process with the IESO for any residual
- 16 CBR Class B variance balances that accrued for Class A transition customers (i.e.,
- 17 customers who transitioned from Class B to A or Class A to B during the period).
- Beginning July 1, 2017, 44 customers obtained Class A status, but contributed to the
- 19 CBR Class B variance balance prior to this date. The CBR Class B contribution of the
- Class A transition customers is \$(1,788) for the period of January 1, 2017 to December
- 21 31, 2017, including carrying charges using the OEB prescribed interest rates.
- Guelph Hydro proposes to refund the \$(1,788) balance to the Class A transition
- customers through a customer-specific equal monthly credit over a 12-month disposition
- period. Guelph Hydro's proposal is consistent with the OEB's Decision and Rate Order
- 25 in Guelph Hydro's 2017 IRM case (EB-2016-0075) and 2018 IRM case (EB-2017-0044),
- for recovery of residual CBR Class B variance balances that accrued prior to newly

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- 1 eligible customers being classified as Class A customers. Guelph Hydro's proposed
- 2 customer-specific equal monthly credits for Class A transition customers are
- 3 summarized in Table 14 below. For details, please see the 2019 IRM Rate Generator
- 4 model, Tab 6. Class A Consumption Data and Tab 6.2a CBR B_Allocation.

Table 14 – Class A Transition Customer CBR Monthly Credits

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

		Total	2017
Total Class B Consumption for Years During Balance Accumulation (Total Consumption LESS WMP Consumption and Consumption for Class A customers who were Class A for partial or full year)	A	179,479,894	179,479,894
Transition Customers' Class B Consumption (i.e. full year or partial year)	В	179,479,894	179,479,894
Transition Customers' Portion of Total Consumption	C=B/A	100.00%	0

Allocation of Total CBR Class B Balance \$

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Total CBR Class B Balance	D	-\$	1,788
Transition Customers Portion of CBR Class B Balance	E=D*C	-\$	1,788
CBR Class B Balance to be disposed to Current Class B Customers			
through Rate Rider	F=D-E	-\$	0

Allocation of CRR Class R Ralances to Transition Customers

Allocation of CBR Class B Balances to Transition Cu # of Class A/B Transition Customers		44	1			
Customer	Customers	ed Class B on (kWh) for Transition During the Period When Class B Customers	Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers in 2017	% of kWh	Customer Specific CBR Class B Allocation for the Period When They Were a Class B Customer	Monthly Equal Payments
Customer 1	+	8,184,295	8,184,295	% OI KWII 4.56%	-\$ 82	
Customer 3	+	5,738,046	5,738,046	3.20%	-\$ 57	
Customer 4		6,202,040		3.46%	-\$ 62	
Customer 5		6,641,834	6,641,834	3.70%	-\$ 66	
Customer 6		6,768,036	6,768,036	3.77%	-\$ 67	
Customer 7		7,420,242	7,420,242	4.13%	-\$ 74	
Customer 8		5,807,981	5,807,981	3.24%	-\$ 58	
Customer 9		5,623,126		3.13%	-\$ 56	
Customer 10		6,121,772	6,121,772	3.41%	-\$ 61	
Customer 11		6,116,918	6,116,918	3.41%	-\$ 61	
Customer 12	1	4,970,213	4,970,213		-\$ 50	
Customer 13	1	3,752,166		2.09%	-\$ 37	
Customer 14	1 1	4,922,492	4,922,492	2.74%	-\$ 49	
Customer 15		4,714,910	4,714,910	2.63%	-\$ 47	
Customer 16		4,298,475	4,298,475	2.39%	-\$ 43	
Customer 17		3,947,657	3,947,657	2.20%	-\$ 39	
Customer 18		3,835,851	3,835,851	2.14%	-\$ 38	
Customer 19		3,540,504	3,540,504	1.97%	-\$ 35	
Customer 20		2,652,843	2,652,843	1.48%	-\$ 26	
Customer 21		3,099,907	3,099,907	1.73%	-\$ 31	
Customer 22		3,509,781	3,509,781	1.96%	-\$ 35	
Customer 23		5,045,375	5,045,375	2.81%	-\$ 50	
Customer 24		5,324,409	5,324,409	2.97%	-\$ 53	
Customer 25		6,252,911	6,252,911	3.48%	-\$ 62	
Customer 26	- 	3,170,603	3,170,603	1.77%	-\$ 32	
Customer 27	- 	6,111,521	6,111,521	3.41%	-\$ 52 -\$ 61	
Customer 28	- 	2,607,540			-\$ 26	
Customer 29	- 	4,063,920		2.26%	-\$ 40	
Customer 30	- 	3,779,245		2.11%	-\$ 38	
Customer 31	- 	3,773,243	3,937,447	2.11%	-\$ 39	
Customer 32	+	2,193,286	2,193,286	1.22%	-\$ 22	
Customer 33	+	2,248,578	2,193,280	1.25%	-\$ 22 -\$ 22	
Customer 34	 	1,728,092	1,728,092	0.96%	-\$ 22 -\$ 17	
Customer 35	+ +	2,440,485	2,440,485	1.36%	-\$ 17 -\$ 24	
Customer 36		1,318,723	1,318,723	0.73%	-\$ 24 -\$ 13	
Customer 37	- 	3,075,727	3,075,727	1.71%		
Customer 37 Customer 38	1 1	3,075,727 676,786	3,075,727 676,786	0.38%		-\$ 3 -\$ 1
Customer 39		2,161,847	2.161.847	1.20%	-\$ / -\$ 22	
Customer 40		2,161,847	2,161,847	1.20%	-\$ 22 -\$ 25	
		1,839,374		1.39%		
Customer 41			1,839,374		7	
Customer 42		2,408,686	2,408,686	1.34% 0.44%	-\$ 24	
Customer 43		783,912	783,912			-\$ 1
Customer 44		1,082,418	1,082,418	0.60%	-\$ 11	
Customer 45		6,856,561	6,856,561	3.82%	-\$ 68	
Total		179,479,894	179,479,894	100.00%	-\$ 1,788	-\$ 149

1	Guelph Hydro records WMS revenues for CBR on all consumption for Class B
2	customers, excluding Wholesale Market Participants. Costs recorded under Charge
3	Type 1351 for CBR for Class B consumption is recorded in Account 4708 Charges -
4	WMS, Sub-account CBR Class B. Guelph Hydro tracks the variance between the
5	revenue billed to customers for Class B CBR and the costs recorded under Charge
6	Type 1351 for CBR in Account 1580 WMS Sub-account CBR Class B. Carrying
7	charges are applied to monthly opening balances at the Board's prescribed rate.

3.7.6 Adjustments to the Board-approved deferral and variance account balances

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In accordance with the Filing Requirements to provide a supporting statement indicating what adjustments were made to deferral and variance account balances that were previously approved by the Board on a final basis, Guelph Hydro states that no adjustments have been made to deferral and variance balances previously approved by the OEB; the following are the adjustments approved by the OEB and included in Tab 3 Continuity Schedule:

1 Table 15 – Deferral and Variance Accounts Approved for Disposition

	2012	cos	20	014 IRM	2015	IRM	2016 (cos	2017	IRM	2018	RM
	EB-201	1-0123	EB-	2013-0133	EB-201	4-0077	EB-2015	5-0073	EB-2016	6-0075	EB-2017	-0044
Board's Decision	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest
Group 1				RSVA								
1550-Low Voltage	(\$115.802)	(\$2.925)	(\$9.894)	(\$1,217)	\$17.489	\$168	\$74.826	\$1.396	\$108.497	\$1.696	\$81,768	\$1.348
1551 - Smart Metering Charge Variance	(, , , , ,	,	, , , , ,	(, , ,	\$62,203	\$1,616	(\$18,216)	(\$254)	(\$39,205)	(\$459)	(\$20,636)	(\$323)
1580-WMS	(\$1,922,324)	(\$38,863)	(\$3,989,563)	(\$127,785)	(\$961,981)	\$6,615	(\$112,601)	\$6,586	(\$3,881,395)	(\$56,303)	(\$1,627,076)	(\$25,742)
1580-WMS- Sub-account CBR Class B		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		\$350,955	\$5,029	(\$62,618)	(\$1,165)
1584-RTNC	\$667,902	\$14,641	\$1,345,249	\$27,626	\$517,305	(\$11,516)	\$197,800	\$5,657	(\$978,909)	(\$13,022)	(\$641,050)	(\$9,229)
1586-RTCC	(\$373,043)	(\$9,060)	\$515,947	\$4,930	(\$112,262)	(\$8,634)	\$290,300	\$6,210	(\$433,382)	(\$5,463)	(\$258,199)	(\$2,777)
1588-Power	(\$739,604)	(\$17,838)	\$1,579,299	(\$159,858)	\$861,186	(\$1,463)	(\$659,091)	(\$6,258)	(\$1,091,870)	(\$9,667)	(\$1,031,019)	(\$28,453)
1589-Power-GA	(\$1,146,068)	(\$24,464)	(\$2,285,823)	\$33,672	\$4,829,630	\$87,698	\$3,283,591	\$31,085	(\$347,498)	\$3,213	\$3,285,963	\$79,013
1595-Disposition of Account Balances Approved in 2008 COS	\$14,174	\$10,549	(\$3,004)	(\$2,443)	\$13	(\$1,177)		(\$1,181)				
1595-Disposition of Account Balances Approved in 2010 IRM			\$25,686	(\$126,025)	(\$1,175)	\$254	\$89	(\$56)	\$0	(\$1)		
1595-Disposition of Account Balances Approved in 2012 COS					\$1,135,286	\$544,624						
1595-Disposition of Account Balances Approved in 2014 IRM							\$313,895	(\$387,360)	\$56,659	\$1,441		
1595-Disposition of Account Balances Approved in 2015 IRM									\$30,526	\$655,040	(\$97,851)	(\$2,300)
Group 2												
1508-IFRS-Other Reg. Assets	\$436,933	\$18,882					\$54,050	(\$5,710)				
1518-RCVA-Retail	(\$83,312)	(\$3,789)					\$23,714	(\$1,016)				
1532-Renewable Generation Connection							₾05.774	\$12,278				
OM&A Deferral Account							\$85,771	\$12,278				
1533-Renewable Generation Connection							(\$343,832)	(\$40,785)				
Funding Adder Deferral Account							V: ' /	V: ' /				
1548-RCVA-STR	(\$211,458)	(\$13,488)					(\$21,168)	(\$3,507)				
1555-Smart Meter Capital	1555-included in the rate base						\$423,206	\$35,807				
1556-Smart Meter OMA	1556-included in the rate base						\$171,801	\$7,702				
1562-Deferred PILs Account	\$1,151,767	\$628,391										
1592-PILs & Tax Variance	(\$564,143)	(\$22,383)					(\$50,797)	(\$3,187)				
1521Special Purpose Charge Assesment	1	(, , , , ,					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,				
Variance Account	(\$37,397)	\$2,194										
1568- LRAMVA							\$288,941	\$13,680	\$1,028,810	\$30,785	\$393,177	\$6,307
1576- Accounting Changes							(\$805,452)					
TOTAL	(\$2,922,376)	\$541,847	(\$2,822,103)	(\$351,100)	\$6,347,694	\$618,186	\$3,196,827	(\$328,912)	(\$5,196,813)	\$612,288	\$22,459	\$16,681

- 1 Guelph Hydro has presented below the total deferral and variance account balances
- 2 requested for disposition and used to test the threshold:

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Table 16 – Total Group 1 Balances

			2	2017	
Account Descriptions	Account Number	Closing Principal Balances as of Dec 31-2017 Adjusted for Dispositions during 2018	Closing Interest Balances as of Dec 31-2017 Adjusted for Dispositions during 2018	Projected Interest from Jan 1, 2018 to December 31, 2018 on Dec 31- 2017 Balance Adjusted for Disposition during 2018	Total
Group 1 Accounts					
LV Variance Account	1550	\$76,354	\$623	\$1,369	\$78,346
Smart Metering Entity Charge Variance	1551	(\$8,309)	(\$131)	(\$149)	(\$8,589)
RSVA - Wholesale Market Service Charge	1580	(\$1,651,500)	(\$18,918)	(\$29,603)	(\$1,700,021)
RSVA - WMSC- Subaccount CBR Class B	1580	(\$8,937)	\$6,228	(\$160)	(\$2,869)
RSVA - Retail Transmission Network Charge	1584	\$1,685,987	\$8,178	\$30,221	\$1,724,386
RSVA - Retail Transmission Connection Charge	1586	\$1,559,387	\$8,968	\$27,952	\$1,596,307
RSVA - Power (excluding Global Adjustment)	1588	(\$142,399)	(\$7,912)	(\$2,553)	(\$152,864)
RSVA - Global Adjustment	1589	\$2,717,540	\$30,090	\$48,712	\$2,796,342
Disposition and Recovery/Refund of Regulatory Balances (2010)	1595 (2010)				\$0
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595(2014)				\$0
Disposition and Recovery/Refund of Regulatory Balances (2015)	1595 (2015)				\$0
Disposition and Recovery/Refund of Regulatory Balances (2016)	1595 (2016)	\$1,053,768	(\$325,235)	\$15,809	\$744,342
Group 1 Sub-Total (including Account 1589 - Global Adjustment)		\$5,281,891	(\$298,109)	\$91,598	\$5,075,380
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)		\$2,564,351	(\$328,199)	\$42,886	\$2,279,038
RSVA - Global Adjustment	1589	\$2,717,540	\$30,090	\$48,712	\$2,796,342
Total of Group 1					\$5,075,380

The closing principal balances include the disposition adjustment approved in 2012

COS (EB-2011-0123), 2014 IRM (EB-2013-0133), 2015 IRM (EB-2014-0077), 2016

COS (EB-2015-0073), 2017 IRM (EB-2016-0075), and 2018 IRM (EB-2017-0044).

9 The interest rate used for calculating the projected interest from January 1, 2018 to

March 31, 2018 is 1.50% and from April 1, 2018 to December 31, 2018 is 1.89%

which is the Board-approved prescribed interest rate for the first, and respectively,

second and third quarter of 2018.

The proposed Deferral and Variance Rate Riders are presented next.

<u>Table 17 – Proposed Deferral and Variance Account</u> and Global Adjustment Rate Riders

Deferral/Variance **Global Adjustment** Rate Rider Rate Class **Account Rate Rider** Unit Unit \$0.0039 RESIDENTIAL \$/kWh \$0.0018 \$/kWh GENERAL SERVICE LESS THAN 50 KW \$/kWh \$0.0015 \$/kWh \$0.0039 GENERAL SERVICE 50 TO 999 KW -Non-\$/kW (\$0.4189)\$/kWh \$0.0039 Wholesale Market Participant \$/kW \$0.9509 GENERAL SERVICE 50 TO 999 KW - RPP \$/kW (0.4189)and Non-Wholesale Market Participant \$/kW 0.9509 GENERAL SERVICE 50 TO 999 KW -\$/kWh \$/kW \$0.9509 \$0.0039 Wholesale Market Participant GENERAL SERVICE 1,000 TO 4,999 KW -\$/kW \$/kWh \$0.0039 \$0.5512 Non-Class A customers GENERAL SERVICE 1,000 TO 4,999 KW -\$/kW \$0.5512 Class A customers LARGE USE - Class A \$/kW \$0.6429 UNMETERED SCATTERED LOAD \$/kWh \$/kWh \$0.0018 \$0.0039 \$/kWh SENTINEL LIGHTING \$/kW \$2.7325 \$0.0045 STREET LIGHTING \$0.0039 \$/kW \$0.4420 \$/kWh

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Certification of Evidence

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2	As Chief Executive Officer of Guelph Hydro Electric Systems Inc., I certify to the
3	best of my knowledge, that the information filed in the regulatory assets claim is
4	consistent with the Board's accounting requirements and procedures in the
5	Accounting Procedures Handbook. The filing is consistent with the requirements
6	of the Report of the Board on Electricity Distributors' Deferral and Variance
7	Account Review Initiative issued July 31, 2009 and Chapter 3 of the Filing
8	Requirements for Transmission and Distribution Rate Applications last revised
9	July 12, 2018.
10	To the best of my knowledge, I certify that Guelph Hydro has robust processes
11	and internal controls in place for the preparation, review, verification and
12	oversight of account balances being disposed, consistent with the certification
13	requirements in Chapter 1 and 3 of the Filing Requirements for Transmission and
14	Distribution Rate Applications.

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Pankaj Sardana

Chief Executive Officer

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3.8 Account 1568 LRAM Variance Account ("LRAMVA")

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2	Reference A	Appendix 5 Guelph LRAMVA Model.					
3	For CDI	M programs delivered within the 2011 to 2014 term and going forward within					
4	the 201	5 to 2020 term, the Board established Account 1568 as the LRAMVA to					
5	capture the variance between the Board-approved CDM forecast and the actual						
6	results a	at the customer rate class level.					
7	The LR	AM variance account ("LRAMVA") captures at the customer rate-class level,					
8	the diffe	rence between the following:					
9	a)	The results of actual, verified impacts of authorized CDM activities					
10		undertaken by Guelph Hydro; and					
11	b)	The OEB-approved LRAMVA threshold (reference: file EB-2015-0073,					
12		Settlement Agreement, Appendix E-Settled Load Forecast presented as					
13		Appendix 4 of this Application)					
14	In accor	dance with the July 31, 2009 Report of the Board: Electricity Distributors'					
15	Deferra	and Variance Account Review Initiative (EDDVAR) and the April 26, 2012					
16	Guidelines for Electricity Distributor CDM, Guelph Hydro has not included the 1568						
17	LRAMV	A in the pre-set disposition threshold calculation in determining materiality					
18	for disp	osition for Group 1 accounts.					
19	In accor	dance with the Board's Guidelines for Electricity Distributor CDM, at a					
20	minimur	m, distributors must apply for disposition of the balance in the LRAMVA at					
21	the time	of their Cost of Service rate applications. Distributors may apply for the					
22	disposit	ion of the balance in the LRAMVA in Incentive Regulation Mechanism rate					
23	applicat	ions, if the balance is deemed significant by the applicant.					
24	All requ	ests for disposition of the LRAMVA must be made together with carrying					
25	charges	•					

1 Statement Identifying the year of the new lost revenue and prior savings 2 persistence claimed in the LRAMVA disposition 3 In its 2016 COS application (EB-2015-0073), Guelph Hydro received approval to 4 dispose the 2011-2013 LRAMVA balance in the amount of \$302,621; in its 2017 5 IRM (EB-2016-0075) the OEB approved the disposition of the 2014-2015 LRAMVA 6 balance in the amount of \$1.059.595; subsequently, in its 2018 IRM (EB-2017-7 0044) the OEB approved the disposition of the 2016 LRAMVA balance of \$399,484. 8 Guelph Hydro is seeking the disposition of 2017 LRAMVA balance and the 2011 to 9 2016 CDM savings persistence in 2017. The 2017 LRAMVA balance requested for 10 disposition as part of this Application is \$791,293.38 (\$772,898.40 principal and 11 \$18,394.98 interest which includes January 1 to December 31, 2018 interest); 12 Guelph Hydro considers the 2017 LRAMVA balance significant. 13 Statement Confirming LRAMVA was based on Verified Savings Results 14 Guelph Hydro confirms that its LRAMVA calculation was based on verified savings 15 results as reported in Guelph Hydro's Final Verified Annual CDM Reports and 16 Persistence Savings Reports issued by the IESO, presented in this Application as 17 Appendix 3 (in PDF and Excel version). Included in this Appendix are: 18 2011 to 2014 Verified Results 19 2011 to 2014 Verified Adjustments 20 2011 to 2014 Verified Persistence 21 2015, 2016 and 2017 Verified Results 22 2015 and 2016 Verified Adjustments 23 2015 and 2016 (including Adjustments) and 2017 Verified Persistence 24 Guelph Hydro has used the most recent input assumptions available at the time of 25 the program evaluation when calculating the lost revenue. 26 Guelph Hydro has applied interest carrying charges at the Board's prescribed rate.

1 Guelph Hydro has not deviated from the OEB's LRAMVA model concept.

Summary of LRAMVA balance requested for disposition

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3 The following table presents the LRAMVA balances requested for disposition:

Table 18 – LRAMVA Claim

	1568 LRAMVA 2017 Balances Requested for Disposition								
Customer Classes	Principal	Interest Jan. 1 to Dec. 31, 2017	Interest Jan. 1 to Dec. 31, 2018	Total LRAMVA Claim for Disposition in 2018 IRM	2019 Proposed LRAMVA Rate Riders by Rate Class				
Residential	\$167,901.09	\$986.42	\$3,009.63	\$171,897.13	\$0.0005 \$/kWh				
GS<50 kW	\$73,921.92	\$434.29	\$1,325.05	\$75,681.26	\$0.0006 \$/kWh				
GS 50 to 999 kW	\$109,621.69	\$644.03	\$1,964.97	\$112,230.68	\$0.1029 \$/kW				
GS 1000 to 4999 kW	\$117,742.64	\$691.74	\$2,110.54	\$120,544.91	\$0.1084 \$/kW				
Large Users	\$323,968.10	\$1,903.31	\$5,807.13	\$331,678.54	\$0.8322 \$/kW				
Unmetered Scattered	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000 \$/kWh				
Sentinel Lighting	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0000 \$/kW				
Street Lighting	(\$20,257.04)	(\$119.01)	(\$363.11)	(\$20,739.16)	(\$0.7280) \$/kW				
Total	\$772,898.40	\$4,540.78	\$13,854.20	\$791,293.38					

7 Statement Confirming Period of Rate Recovery

8 Guelph Hydro is requesting a period of one-year for LRAMVA recovery.

Details for the forecast CDM savings included in LRAMVA calculation

- 2 Guelph Hydro has followed both the new OEB LRAMVA model and OEB Report
- 3 EB-2016-0182: Updated Policy for the Lost Revenue Adjustment Mechanism
- 4 Calculation: Lost Revenues and Peak Demand Savings from Conservation and
- 5 Demand Management Programs.
- 6 The 1568 LRAMVA balance includes 2017 IESO "Final Verified Results" and
- 7 excludes the 2011 to 2016 balance previously approved for disposition.

8 As part of the 2016 COS proceedings (EB-2015-0073), Guelph Hydro included a

9 load forecast that accounted for the expected impact of CDM activities, which

impact assumed that Guelph Hydro would achieve 27,299,116 kW demand savings

in 2016. This is the level of the expected CDM load reduction embedded into 2016

to 2020 distribution rates. The approved amount used for CDM threshold for 2016

LRAMVA is 33,013,333 kW (reference Appendix 2-I of Filling Requirements of

Chapter 2 Appendices file, and Settlement Agreement – Appendix E-Settled Load

Forecast – OEB file EB-2016-0075, presented as Appendix 4 in this Application).

The following table presents the Board-approved CDM threshold per customer

17 class:

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Table 19: CDM Threshold for LRAMVA per Customer Class

2016 LRAMVA Threshold	kWh	kW
Residential	4,365,766	
GS< 50 kW	1,133,691	
GS 50 to 999 kW	3,401,072	8,871
GS 1000 to 4999 kW	728,801	1,546
Large Use	22,538,608	40,432
Unmetered Scattered Load	0	
Sentinel Lighting	0	0
Street Ligting	845,395	2,344
Total	33,013,333	53,193

- 1 The following table presents the Board-approved Appendix 2-I of Filling
- 2 Requirements Chapter 2 Appendices file:

3 <u>Table 20 – Appendix 2-I</u>

	2011	2012	2013	2014	2015	2016	Total for 2014	Total for 2016
Ī					kWh			
Amount used for CDM threshold for LRAMVA (2015) - cost	0	0	0	5,078,231			5,078,231	
2012 CDM adjustment (per Board Decision in 2012 Cost of Service Application) - revenue		15,906,000	15,906,000	15,906,000			47,718,000	
Amount used for CDM threshold for LRAMVA (2016)					16,506,667	16,506,667		33,013,333
Manual Adjustment for 2016 Load Forecast (billed basis)	-	-	-	2,539,116	16,506,667	8,253,333		27,299,116
Proposed Loss Factor (TLF) Manual Adjustment for 2016 Load Forecast (system purchased basis)	2.60%	Format: X.XX%		2,605,121	16,935,767	8,467,883		28,008,771

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With respect to the entries in the LRAMVA, the CDM Guidelines specify that distributors must calculate the full year impact of CDM programs on a monthly basis, based on the volumetric impact of the load reductions arising from the CDM measures implemented in that month, multiplied by the distributor's Board-approved variable distribution charge to the customer rate class in which the volumetric variance occurred.

In accordance with the Guidelines for Electricity Distributors (CDM – EE-2012-0003), Guelph Hydro has used the Board-approved volumetric rates. Carrying charges were applied on a monthly basis and are being requested on the lost revenue amount.

The 2017 Board-Approved distribution rates are presented below:

Table 21 – 2017 Distribution Volumetric Rates

		January 1 to December 31, 2017 Rates EB-2016-0075		
Customer Classes	UM	Distribution Volumetric Rate		
Residential	kWh	\$0.0098		
GS<50 kW	kWh	\$0.0139		
GS 50 to 999 kW	kW	\$2.7403		
GS 1000 to 4999 kW	kW	\$3.0421		
Large Users	kW	\$2.7331		
Unmetered Scattered Loads	kWh	\$0.0221		
Sentinel Lighting	kW	\$8.3138		
Street Lighting	kW	\$10.1929		

The 2017 forecast savings are presented in the following tables:

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Table 22 – 2017 Forecast CDM Savings

Customer Classes	2017 Forecast CDM Savings [\$]
Residential	(\$42,784.51)
GS<50 kW	(\$15,758.30)
GS 50 to 999 kW	(\$24,310.23)
GS 1000 to 4999 kW	(\$4,702.23)
Large Users	(\$110,504.24)
Unmetered Scattered Loads	\$0.00
Sentinel Lighting	\$0.00
Street Lighting	(\$23,889.84)
TOTAL	(\$221,949.35)

Statement confirming how the rate class allocations for actual CDM savings were determined by customer class and program

Guelph Hydro has considered the IESO's 2017 Final Verified Results, and yearover-year persistence as presented in Appendix 3

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1 2011 to 2017 IESO's CDM Results". The prescribed interest rate of 1.10% was 2 applied on LRAMVA monthly balances from Q1 2017 to Q3 2017 and 1.50% 3 from Q4 2017 to Q1 2018, and an estimated interest rate of 1.89% was applied 4 from Q2 2018 to Q4 2018 (this estimated interest rate reflects the Q2 to Q3 2018 5 actual prescribed interest rate). 6 In accordance with the OEB's Report on Updated Policy for the Lost Revenue 7 Adjustment Mechanism calculation: Lost Revenues and Peak Demand Savings 8 from Conservation and Demand Management Programs (the "Report") issued on 9 May 19, 2016, Guelph Hydro has excluded Demand Response results from the 10 2017 LRAMVA balance calculation. Guelph Hydro did not have any Building 11 Commissioning programs participants for which the Report indicated that only 12 summer months to be taken in consideration for the demand savings calculation. 13 For CDM programs that are designed and designated for specific customer segments or rate classes, LRAMVA allocations for CDM savings are allocated 14 15 directly to those specific rate classes. For example, the saveONenergy 16 "Coupon", "Deal Days" and "Heating and Cooling" Programs are designated as 17 residential programs. and will be allocated 100% to the residential rate class. 18 Each completed non-residential CDM project is tracked by project application 19 number, account number and rate class in a program specific tracking 20 spreadsheet. 21 For CDM programs with small volumes (e.g. typically less than 5) of projects 22 completed in a given year, the appropriate rate class is allocated based on a 23 percentage share of the program savings in that CDM program year. For 24 example, the Process & Systems Upgrades Program ("PSUP") and the High 25 Performance New Construction ("HPNC") Program generally have low volumes 26 of completed projects. The LRAM CDM savings are allocated directly to those 27 specific rate classes, typically Large User ("LU"), general service 1,000 to 4,999 28 kW (GS<5MW) or general service 50 to 999 kW (GS<1MW).

For CDM programs with larger volumes of completed projects that could have participants from multiple rate classes (e.g. Retrofit), the completed projects are extracted from a tracking spreadsheet for analysis in a separate worksheet. Total program energy and demand savings are tabulated, and then summarized by rate class separately for both energy and demand. 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.

A summary of the 2017 Final Verified Results rate class allocations by percent for Retrofit programs is presented in Table 23 below and applied in Tab 5 of the LRAMVA workform. The detailed rate class allocation percentage calculation is filed in Tab 3-a of the LRAMVA workform.

14 <u>Table 23 – Guelph Hydro 2017 Final Verified Results - Rate Class Allocation</u>

RATE CLASS	Description	% Allocation based on Energy	% Allocation based on Demand	
Residential	RES	0%	0%	
GS<50 kW	GS<50	3%	5%	
GS 50 to 999 kW	GS<1MW	25%	43%	
GS 1000 to 4999 kW	GS<5MW	36%	25%	
Large Users	LU	35%	26%	
Unmetered Scattered Loads	UMSL	0%	0%	
Sentinel Lighting	SENLT	0%	0%	
Street Lighting	STLT	1%	1%	
	Total:	100%	100%	

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1	Guelph Hydro populated Tab 4. 2011-2014 LRAM and Tab 5. 2015-2020 LRAM
2	with 2011 to 2017 net energy and peak savings and 2011 to 2016 persistence in
3	2017.
4	Only the 2017 Board-Approved distribution rates were filed in Tab 3. Distribution
5	Rates; therefore, the LRAMVA model calculates the 2017 net energy savings and
6	2011 to 2016 net energy persistence in 2017 using the 2017 Board-approved
7	distribution volumetric rates.
8	The 2017 actual CDM savings are presented in the following table:

Table 24 – 2017 – Final Verified CDM Savings

Customer Classes	2017 Actual CDM Savings [\$]
Residential	\$210,685.59
GS<50 kW	\$89,680.22
GS 50 to 999 kW	\$133,931.92
GS 1000 to 4999 kW	\$122,444.86
Large Users	\$434,472.35
Unmetered Scattered Loads	\$0.00
Sentinel Lighting	\$0.00
Street Lighting	\$3,632.80
TOTAL	\$994,847.74

Statement - Documentation for Street Lighting Projects

As noted in LRAMVA Work Form Tab 8, Guelph Hydro had a single street lighting project in 2017, in which 340 luminaires were converted to LED, with a resultant annual net energy savings of 114,558 kWh. The applicant used the IESO's Prescriptive Exterior Lighting Worksheet to quantify the measures installed and calculate the related project incentive.

The IESO's Prescriptive Measures and Assumptions List ("MAL") used in conjunction with the project Worksheet calculate the estimated gross annual kWh energy savings, and the IESO's annual Evaluation, Measurement and Verification ("EM&V") exercise calculates the net verified annual energy savings attributed to the project.

The IESO does not recognize demand reduction for street lighting projects as the energy is used in off-peak hours, and as such does not reduce provincial system demand peaks. However, from an LDC load perspective, a street lighting project does have an LRAM impact, as the customer's kW load is reduced with the

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energy efficient LED measures, and Guelph Hydro's street lighting distribution revenue is based on connected kW demand.

This project's load impact is calculated by taking the total number of luminaires and their corresponding luminaire-ballast load as the base case. The post-project energy efficient LED equivalent load is then calculated in a similar manner (number of luminaires x per unit kW load). The difference is used as the kW load reduction for the LRAM calculation, after the IESO Net to Gross adjustment is applied to the project results. The resulting value is then used to replace the "0" kW demand reduction allocated in the IESO's 2017 Final Verified Results Report for Guelph Hydro.

For Guelph Hydro's 2017 street light project the base case demand was 37 kW, the post project demand was 14.2 kW, with a resultant 22.8 kW demand reduction. After applying the IESO's 2017 Retrofit Program Realization Rate and Net to Gross adjustments, a 24.0 kW LRAM demand reduction is calculated and applied to the project. Guelph Hydro has calculated persistence for the streetlighting class, using the same persistence factor which applies to the other components included in the Retrofit program. The calculation details for this project are provided in the Tab 8 Streetlighting Work Form table. After the project was commissioned, Guelph Hydro adjusted the monthly billing load profile to reflect the reduced energy usage as a result of the energy efficient measure installations.

Application of recoveries in Account 1595

Starting with 2019 rate applications, distributors who meet the requirements for disposition of residual balances of Account 1595 sub-accounts, must complete the 1595 Analysis Workform. The new workform will help the OEB assess if the residual balances in Account 1595 sub-accounts for each vintage year are reasonable. The workform compares principal and interest amounts previously approved for disposition to the residual balances remaining after amounts have been recovered/refunded to customers through rate riders.

Guelph Hydro has completed the 1595 Analysis Workform for Account 1595 subaccount 2016 and analyzed the variances accounting for the \$744,342 balance being requested for recovery. The analysis found that \$732,410 of the 2016 balance under recovery was due to Global Adjustment rate rider under-recoveries because of Class A transition customers in GS 1000kW to 4999kW not being billed the GA rate rider applicable to Class B customers. The residual balance in Account 1595 sub-account 2016 of \$744,342 requested for recovery therefore appears reasonable.

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4. Appendices

Guelph Hydro Electric Systems Inc. EB-2018-0036 Application Appendix 3 Filed: August 9, 2018

Appendix 1 2019 IRM Rate Generator

(Presented in PDF and Excel format)



Quick Link

Ontario Energy Board's 2019 Electricity Distribution Rates Webpage

Utility Name	Guelph Hydro Electric Systems	Inc.	
Assigned EB Number	EB-2018-0036		
Name of Contact and Title	Cristina Birceanu, VP Regulato	ry Affairs, Customer Care and Billi	
Phone Number	519-837-4735		
Email Address	cbirceanu@guelphhydro.com		
We are applying for rates effective	Tuesday, January 1, 2019		
Rate-Setting Method	Price Cap IR		
Please indicate in which Rate Year the Group 1 accounts were last cleared ¹	2018		
lease indicate the last Cost of Service Re-Basing Year	2016		
<u>Legend</u>			
Pale green cells represent input	cells.		
Pale blue cells represent drop-down lists. The applicant should select the appropriate item from the drop-down list.			
Pale grey cell represent auto-populated RRR data			
White cells contain fixed values,	automatically generated values or fo	ormulae.	

Note:

1. Rate year of application

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

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

Version

2.0



Guelph Hydro Electric Systems Inc. TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2018

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

EB-2017-0044

RESIDENTIAL SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge	\$	25.73
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(0.18)
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0049
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0045
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective	е	
until December 31, 2018	\$/kWh	0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kWh	(0.0023)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0059
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge	\$	16.74
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	Ψ \$	(0.50)
·		` ,
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0140
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0045
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective		
until December 31, 2018	\$/kWh	0.0003
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kWh	(0.0022)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0062
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0052
	φπιντι	0.0002
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
	**	
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge	\$	181.48
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(3.80)
Distribution Volumetric Rate	\$/kW	2.7650
Low Voltage Service Rate	\$/kW	0.0121
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0045
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective		
until December 31, 2018	\$/kW	0.0218
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018		
Applicable only for Non-Wholesale Market Participants	\$/kW	(0.5958)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kW	(0.2077)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018		
Applicable only for Class B Customers	\$/kW	(0.0183)
Retail Transmission Rate - Network Service Rate	\$/kW	2.6095
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.7067
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1983
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.2808
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



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

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

APPLICATION

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

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

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

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

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

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

Service Charge	\$	574.08
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(46.33)
Distribution Volumetric Rate	\$/kW	3.0695
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018 Applicable only for Non-RPP Customers	\$/kWh	0.0045
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until December 31, 2018	\$/kW	0.0442
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kW	(1.0955)
Nate Nider for Disposition of Defender variance Accounts (2010) - effective dritti December 31, 2010	Φ/KVV	(1.0955)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018		
Applicable only for Class B Customers	\$/kW	(0.0244)
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.7067
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.2808
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25



LARGE USE SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025 Distribution Volumetric Rate	\$ \$ \$/kW	1,103.59 (151.18) 2.7577
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until December 31, 2018 Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018 Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW \$/kW \$/kW \$/kW	0.4790 (0.9653) 3.2687 2.7540
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR Capacity Based Recovery (CBR) - Applicable for Class B Customers Rural or Remote Electricity Rate Protection Charge (RRRP) Standard Supply Service - Administrative Charge (if applicable)	\$/kWh \$/kWh \$/kWh \$	0.0032 0.0004 0.0003 0.25



UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

\$	4.90
\$	(0.05)
\$/kWh	0.0223
\$/kWh	0.0045
\$/kWh	(0.0022)
\$/kWh \$/kWh	(0.0001) 0.0062 0.0052
Ψ/ΚΨΤΙ	0.0032
\$/kWh	0.0032
\$/kWh	0.0004
\$/kWh	0.0003
\$	0.25
	\$ \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh



STANDBY POWER SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - APPROVED ON AN INTERIM BASIS

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



Incentive Regulation Model for 2019 File SENTINEL LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge (per connection) Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025 Distribution Volumetric Rate Low Voltage Service Rate	\$ \$ \$/kW \$/kW	7.58 (0.11) 8.3886 0.0089
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018 Applicable only for Non-RPP Customers Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kWh \$/kW	0.0045 (1.0821)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018 Applicable only for Class B Customers Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW \$/kW \$/kW	(0.0179) 1.9979 1.6831
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR Capacity Based Recovery (CBR) - Applicable for Class B Customers Rural or Remote Electricity Rate Protection Charge (RRRP) Standard Supply Service - Administrative Charge (if applicable)	\$/kWh \$/kWh \$/kWh \$	0.0032 0.0004 0.0003 0.25



STREET LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

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Service Charge (per connection)	\$	0.43
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(0.01)
Distribution Volumetric Rate	\$/kW	10.2846
Low Voltage Service Rate	\$/kW	0.0107
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0045
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective		
until December 31, 2018	\$/kW	(0.8432)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kW	(0.7759)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018		
Applicable only for Class B Customers	\$/kW	(0.0180)
Retail Transmission Rate - Network Service Rate	\$/kW	2.4040
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0253
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
	Ψ	0.20



microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	2	5.40
Service Charge	D D	5.40

ALLOWANCES

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

SPECIFIC SERVICE CHARGES

Disconnect/reconnect at pole - during regular hours

Disconnect/reconnect at pole - after regular hours 2. Current Tariff Schedule

APPLICATION

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

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

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

Customer Administration

Arrears certificate	\$	15.00
Returned cheque (plus bank charges)	\$	8.55
Account setup charge/change of occupancy charge (plus credit agency costs if applicable)	\$	8.75
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	10.00
Credit service charge for paperless bill	\$	(10.00)
Non-Payment of Account		
Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	9.00
Disconnect/reconnect at meter - during regular hours	\$	20.00
Disconnect/reconnect at meter - after regular hours	•	50.00

50.00

\$ Issued Month chargo Wear



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)	\$ 22.35
Overhead bond connection - per connection	\$ 105.00
Underground bond connection - per connection	\$ 100.00

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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

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

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

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

LOSS FACTORS

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

1.0260
1.0137
1.0157
1.0036

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column BU has been prepopulated from the latest 2.1.7 RRR filing.

For all Group 1 Accounts, except for Account 1595, start inputting data from the year in which the GL balance was last disposed. For example, if in the 2018 rate application, DVA balances as at December 31, 2016 were approved for disposition, start the continuity schedule from 2016 by entering the 2015 closing balance in the Adjustment column under 2015. For all Account 1595 sub-accounts, complete the DVA continuity schedule for each Account 1595 vintage year that has a GL balance as at December 31, 2017 regardless of whether the account is being requested for disposition in the current application. For each Account 1595 sub-account, start inputting data from the year the sub-account started to accumulate a balance (i.e. the vintage year). For example, for Account 1595 (2015),data should be inputted starting in 2015 when the relevant balances approved for disposition was first transferred into Account 1595 (2015).

Please refer to the footnotes for further instructions.

						2012									2013					
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2012	Transactions Debit / (Credit) during 2012	OEB-Approved Disposition during 2012	Principal Adjustments ¹ durin _i 2012	Closing Principal Balance as of Dec 31, 2012	Opening Interest Amounts as of Dec 31 Jan 1, 2012	I hencet	on Adjust		onterest Opening Princing as of Amounts as of 2012 1, 2013			Principal g Adjustments ¹ durin 2013	Closing Principal Balance as of Dec 31, 2013		Interest Jan 1 to Dec 31, 2013	OEB-Approved Disposition during 2013	Interest Adjustments ¹ during 2013	Closing Interest Amounts as of Dec 31, 2013
Group 1 Accounts																				
LV Variance Account	1550										0	0				0	0			C
Smart Metering Entity Charge Variance Account	1551										0	0				0	0			Č
RSVA - Wholesale Market Service Charge ⁵	1580										0	0				0	o			C
Variance WMS – Sub-account CBR Class A ⁵	1580										0	0				0	0			(
Variance WMS – Sub-account CBR Class B ⁵	1580										0	0				0	0			C
RSVA - Retail Transmission Network Charge	1584										0	0				0	0			Č
RSVA - Retail Transmission Connection Charge	1586										0	0				0	0			(
RSVA - Power ⁴	1588										0	0				0	0			C
RSVA - Global Adjustment ⁴	1589										0	0				0	0			C
Disposition and Recovery/Refund of Regulatory Balances (2012) ³	1595										0	0				0	o			(
Disposition and Recovery/Refund of Regulatory Balances (2013) ³	1595										0	0				0	o			(
Disposition and Recovery/Refund of Regulatory Balances (2014) ³	1595										0	0				0	o			(
Disposition and Recovery/Refund of Regulatory Balances (2015) ³	1595										0	0				0	0			(
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595										0	0				0)			
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595										0	0				0	0			C
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	4505											0				0				,
Not to be disposed of until a year after rate rider has expired and that balance has been audited	1595					•					U	U				U	J			(
RSVA - Global Adjustment	1589	0	(0)	0 (0	0	0	0	0	0	0	0	0	0) (0	C	, (
Total Group 1 Balance excluding Account 1589 - Global Adjustment Total Group 1 Balance		0	(0 0	1	0 (0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0) (0	0	(
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568															0				1
Total including Account 1568		0	(0)	0	0	0	0	0	0	0	0	0	0	0) (0	C	, C

For all OEB-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related OEB decision.

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

2 If the LDC's rate year begins on January 1, 2019, the projected interest is recorded from January 1, 2018 to December 31, 2018 on the December 31, 2017 balances adjusted for the disposed balances approved by the OEB in the 2018 rate decision. If the LDC's rate year begins on May 1, 2019, the projected interest is recorded from January 1, 2018 to April 30, 2019 on the December 31, 2017 balances adjusted for the disposed interest balances approved by the OEB in the 2018 rate decision.

³ The individual sub-accounts as well as the total for all Account 1595 sub-accounts is to agree to the RRR data. Differences need to be explained. For each Account 1595 sub-account, the transfer of the balance approved for disposition into Account 1595 is to be recorded in "OEB Approved Disposition" column. The recovery/refund is to be recorded in the "Transaction" column. The audited balance in the account is only to be disposed a year after the recovery/refund period has been completed. Generally, no further transactions would be expected to flow through the account after that. Any vintage year of Account 1595 is only to be disposed once on a final basis. No further dispositions of these accounts are generally expected thereafter, unless justified by the distributor.

Select the "Check to dispose of account" checkbox in column BT if the sub-account is requested for disposition.

4 Effective May 23, 2017, per the OEB's letter titled Guidance on Disposition of Accounts 1588 and 1589, applicants must reflect RPP Settlement true-up claims pertaining to the period that is being requested for disposition in Accounts 1588 and 1589. This is to include true ups that impact the GA as well. The amount requested for disposition starts with the audited account balance. If the audited account balance does not reflect the true-up claims for that year, the impacts of the true-up claims are to be shown in the Adjustment column in that year. Note that this true-up claim will need to be reversed in the amount requested for disposition in the following year. However, if the RPP Settlement true-up claim was not reflected at the end of the last year of the account balance that was previously disposed, then no adjustment would have to be made in the first year at the beginning of the current period being requested for disposition. This way the adjustment is appropriately captured in the last year of the previously disposed period and the first year of the current period requested for disposition. Note that if a distributor has any balance in Account 1589 that pertains to Class A, this must be excluded from the balance requested for disposition.



Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column BU has been prepopulated from the latest 2.1.7 RRR filing.

For all Group 1 Accounts, except for Account 1595, start inputting data from the year in which the GL balance was last disposed. For example, if in the 2018 rate application, DVA balances as at December 31, 2016 were approved for disposition, start the continuity schedule from 2016 by entering the 2015 closing balance in the Adjustment column under 2015. For all Account 1595 sub-accounts, complete the DVA continuity schedule for each Account 1595 vintage year that has a GL balance as at December 31, 2017 regardless of whether the account is being requested for disposition in the current application. For each Account 1595 sub-account, start inputting data from the year the sub-account started to accumulate a balance (i.e. the vintage year). For example, for Account 1595 (2015),data should be inputted starting in 2015 when the relevant balances approved for disposition was first transferred into Account 1595 (2015).

Please refer to the footnotes for further instructions.

					2014											2015					
Account Descriptions Account Nur	Opening Principa Amounts as of Jan 1, 2014		OEB-Approved Disposition during A 2014	Principal Adjustments ¹ during 2014	Closing Principal Balance as of Dec 31, 2014	Opening Interest Amounts as of Jan 1, 2014	Interest Jan 1 to f Dec 31, 2014	OEB-Approved Disposition during 2014	Interest Adjustments ¹ during 2014	1 Amounts as of	Opening Princip Amounts as of Ja 1, 2015		' I homografio	n during Adju	Principal ustments ¹ during 2015	Closing Principal Balance as of Dec 31, 2015	Opening Interest Amounts as of Jan 1, 2015	Interest Jan 1 to Dec 31, 2015	OEB-Approved Disposition during 2015	Interest Adjustments ¹ during 2015	Closing Interest Amounts as of Dec 31, 2015
Group 1 Accounts																					
LV Variance Account 1550					C)	0				0	0			183,322	183,322	0			1,898	1,898
Smart Metering Entity Charge Variance Account 1551)			()	0				0	0			(57,421)	(57,421)				(282)	(282)
RSVA - Wholesale Market Service Charge ⁵ 1580)			C)	0				0	0			(3,993,997)	(3,993,997)	0			(7,022)	(7,022)
Variance WMS – Sub-account CBR Class A ⁵					C)	0				0	0			92,932	92,932	0			287	287
Variance WMS – Sub-account CBR Class B ⁵)			C)	0				0	0			350,955	350,955	0			1,169	1,169
RSVA - Retail Transmission Network Charge 1584)			()	0				0	0			(781,110)	(781,110)	0			3,403	3,403
RSVA - Retail Transmission Connection Charge 1586)			()	0				0	0			(143,081)	(143,081)	0			5,514	
RSVA - Power ⁴ 1588	()			C)	0				0	0			(1,750,962)	(1,750,962)	0			(3,915)	(3,915)
RSVA - Global Adjustment ⁴)			()	0				0	0			2,936,093	2,936,093	0			38,120	38,120
Disposition and Recovery/Refund of Regulatory Balances (2012) ³)			C)	0				0	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013) ³)			C)	0				0	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2014) ³)			C)	0				0	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2015) ³					C)	0				0	0 (6,3	17,168) (6	,347,694)		30,526	0	36,518	(618,186)		654,704
Disposition and Recovery/Refund of Regulatory Balances (2016) ³)			C)	0				0	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2017) ³)			C)	0				0	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2018) ³																					
Not to be disposed of until a year after rate rider has expired and that balance has been audited 1595	1)			C)	0				0	0				0	0				0
RSVA - Global Adjustment 1589)	0 0	0) ()	0 (0)	0 (0	0	0	0	2,936,093	2,936,093	0	0	0	38,120	38,120
Total Group 1 Balance excluding Account 1589 - Global Adjustment)	0 0	0) ()	0	0)	0	0	0 (6,3	17,168) (6	,347,694)	(6,099,361)	(6,068,836)		36,518	(618,186)		
Total Group 1 Balance	()	0 0	0) ()	0	0)	0	0			,347,694)	(3,163,269)			36,518			693,878 I
LRAM Variance Account (only input amounts if applying for disposition of this account) 1568					()	0				0	0			1,557,539	1,557,539	0			33,101	33,101
Total including Account 1568)	0 0	0) ()	0) ()	0 0	0	0 (6.3	17,168) (6	,347,694)	(1.605.730)	(1,575,204)	0	36,518	(618,186)	72,275	726,979

For all OEB-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related OEB decision.

Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting documentations. If the LDC's rate year begins on January 1, 2019, the projected interest is recorded from January 1, 2018 to December 31, 2018 on the December 31, 2017 balances adjusted for the disposed balances approved by the OEB in the 2018 rate decision. If the LDC's rate year begins on May 1, 2019, the projected interest is recorded from January 1, 2018 to April 30, 2019 on the December 31, 2017 balances adjusted for the disposed interest balances approved by the OEB in the 2018 rate decision.

The individual sub-accounts as well as the total for all Account 1595 sub-accounts is to agree to the RRR data. Differences need to be explained. For each Account 1595 sub-account, the transfer of the balance approved for disposition into Account 1595 is to be recorded in "OEB Approved Disposition" column. The recovery/refund is to be recorded in the "Transaction" column. The audited balance in the account is only to be disposed a year after the recovery/refund period has been completed. Generally, no further transactions would be expected to flow through the account after that. Any vintage year of Account 1595 is only to be disposed once on a final basis. No further dispositions of these accounts are generally expected thereafter, unless justified by the distributor.

Select the "Check to dispose of account" checkbox in column BT if the sub-account is requested for disposition.

Effective May 23, 2017, per the OEB's letter titled Guidance on Disposition of Accounts 1588 and 1589, applicants must reflect RPP Settlement true-up claims pertaining to the period that is being requested for disposition in Accounts 1588 and 1589. This is to include true ups that impact the GA as well. The amount requested for disposition starts with the audited account balance. If the audited account balance does not reflect the true-up claims for that year, the impacts of the true-up claims are to be shown in the Adjustment column in that year. Note that this true-up claim will need to be reversed in the amount requested for disposition in the following year. However, if the RPP Settlement true-up claim was not reflected at the end of the last year of the account balance that was previously disposed, then no adjustment would have to be made in the first year at the beginning of the current period being requested for disposition. This way the adjustment is appropriately captured in the last year of the previously disposed period and the first year of the current period requested for disposition. Note that if a distributor has any balance in Account 1589 that pertains to Class A, this must be excluded from the balance requested for disposition.



Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column BU has been prepopulated from the latest 2.1.7 RRR filing.

For all Group 1 Accounts, except for Account 1595, start inputting data from the year in which the GL balance was last disposed. For example, if in the 2018 rate application, DVA balances as at December 31, 2016 were approved for disposition, start the continuity schedule from 2016 by entering the 2015 closing balance in the Adjustment column under 2015. For all Account 1595 sub-accounts, complete the DVA continuity schedule for each Account 1595 vintage year that has a GL balance as at December 31, 2017 regardless of whether the account is being requested for disposition in the current application. For each Account 1595 sub-account, start inputting data from the year the sub-account started to accumulate a balance (i.e. the vintage year). For example, for Account 1595 (2015),data should be inputted starting in 2015 when the relevant balances approved for disposition was first transferred into Account 1595 (2015).

Please refer to the footnotes for further instructions.

						2016										2017					
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2016	Transactions Debit / (Credit) during 2016	OEB-Approved Disposition during 2016	Principal Adjustments ¹ during 2016	Closing Principal Balance as of Dec 31, 2016	Opening Interest Amounts as of Jan 1, 2016	Interest Jan 1 to Dec 31, 2016	OEB-Approved Disposition during 2016	Interest Adjustments ¹ during 2016	Closing Interest Amounts as of Dec 31, 2016	pening Principal mounts as of Jan 1, 2017	Transactions Debit / (Credit) during 2017	OEB-Approved Disposition during Ac 2017	Principal djustments ¹ during 2017	Closing Principal Balance as of Dec 31, 2017	Opening Interest Amounts as of Jan 1, 2017	Interest Jan 1 to Dec 31, 2017	OEB-Approved Disposition during 2017	Interest Adjustments ¹ during 2017	Closing Interest Amounts as of Dec 31, 2017
Group 1 Accounts																					
LV Variance Account	1550	183,322	81,769	74,826		190,265	1,898	1,643	1,396		2,145	190,265	76,354	108,497		158,123	2,145	1,522	1,696		1,971
Smart Metering Entity Charge Variance Account	1551	(57,421)	(20,636)	(18,216)		(59,841)	(282)	(527)	(254)		(555)	(59,841)	(8,309)	(39,205)		(28,945)	(555)	(358)	(459)		(454)
RSVA - Wholesale Market Service Charge ⁵	1580	(3,993,997)	(1,627,076)	(112,601)		(5,508,471)	(7,022)	(50,539)	6,586		(64,147)	(5,508,471)	(1,651,500)	(3,881,395)		(3,278,576)	(64,147)	(30,777)	(56,303)	(7,120)	(45,741)
Variance WMS – Sub-account CBR Class A ⁵	1580	92,932	(92,932)			0	287	(287)			0	0		0		0	0	50	0		50
Variance WMS – Sub-account CBR Class B ⁵	1580	350,955	(62,618)			288,337	1,169	3,384			4,553	288,337	(8,937)	350,955		(71,555)	4,553	(500)	5,029	7,120	6,144
RSVA - Retail Transmission Network Charge	1584	(781,110)	(641,049)			(1,619,959)	3,403	(12,945)	5,657		(15,199)	(1,619,959)	1,685,987	(978,909)		1,044,937	(15,199)	1,126	(13,022)		(1,051)
RSVA - Retail Transmission Connection Charge	1586	(143,081)	(258,199)	290,300		(691,581)	5,514	(4,704)	6,210		(5,400)	(691,581)	1,559,387	(433,382)		1,301,188	(5,400)	6,128	(5,463)		6,191
RSVA - Power ⁴	1588	(1,750,962)	1,058,968	(659,091)	(2,089,987)	(2,122,889)	(3,915)	(29,122)	(6,258)		(26,779)	(2,122,889)	(142,399)	(1,091,870)		(1,173,419)	(26,779)	(19,253)	(9,667)		(36,365)
RSVA - Global Adjustment ⁴	1589	2,936,093	1,140,982	3,283,591	2,144,981	2,938,465	38,120	39,045	31,085		46,080	2,938,465	2,918,422	(347,498)	(200,882)	6,003,503	46,080	66,236	3,213		109,103
Disposition and Recovery/Refund of Regulatory Balances (2012) ³	1595	0				0	0				0	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2013) ³	1595	0				0	0				0	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2014) ³	1595	0				0	0				0	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2015) ³	1595	30,526	(97,851)			(67,325)	654,704	(888)			653,816	(67,325)		30,526		(97,851)	653,816	(1,146)	655,040		(2,370)
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595	0	(2,181,664)	(3,096,832)		915,168	0	20,642	364,632		(343,990)	915,168	(33,201)		171,801	1,053,768	(343,990)	11,053		7,702	(325,235)
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595	0				0	0				0	0	5,342,267	6,225,622		(883,355)	0	(38,495)	(581,504)		543,009
Disposition and Recovery/Refund of Regulatory Balances (2018) ³ Not to be disposed of until a year after rate rider has expired and that balance has been audited	1595	0				0	0				0	0				0	0				0
RSVA - Global Adjustment	1589	2,936,093	1,140,982	3,283,591	2,144,981	2,938,465	38,120	39,045	31,085	0	46,080	2,938,465	2,918,422	(347,498)	(200,882)	6,003,503	46,080	66,236	3,213	0	109,103
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(6,068,836)			(2,089,987)				377,969	0	204,446	(8,676,296)	6,819,649		171,801		204,446	(70,651)	(4,653)	7,702	146,150
Total Group 1 Balance		(3,132,743)			54,994				409,054	0	250,526	(5,737,831)	9,738,071	(56,659)	(29,081)			(4,415)	(1,440)	7,702	255,254
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	1,557,539	393,177	288,941	(239,788)	1,421,987	33,101	13,299	13,680	47	32,767	1,421,987	656,889	1,028,810	116,009	1,166,075	32,767	9,331	30,785	(465)	10,848
Total including Account 1568		(1,575,204)	(2,307,129)	248,717	(184,794)	(4,315,844)	726,979	(20,999)	422,734	47	283,293	(4,315,844)	10,394,960	972,151	86,928	5,193,893	283,293	4,916	29,345	7,237	266,102

For all OEB-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related OEB decision.

Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting documentations. If the LDC's rate year begins on January 1, 2019, the projected interest is recorded from January 1, 2018 to December 31, 2018 on the December 31, 2017 balances adjusted for the disposed balances approved by the OEB in the 2018 rate decision. If the LDC's rate year begins on May 1, 2019, the projected interest is recorded from January 1, 2018 to April 30, 2019 on the December 31, 2017 balances adjusted for the disposed interest balances approved by the OEB in the 2018 rate decision.

The individual sub-accounts as well as the total for all Account 1595 sub-accounts is to agree to the RRR data. Differences need to be explained. For each Account 1595 sub-account, the transfer of the balance approved for disposition into Account 1595 is to be recorded in "OEB Approved Disposition" column. The recovery/refund is to be recorded in the "Transaction" column. The audited balance in the account is only to be disposed a year after the recovery/refund period has been completed. Generally, no further transactions would be expected to flow through the account after that. Any vintage year of Account 1595 is only to be disposed once on a final basis. No further dispositions of these accounts are generally expected thereafter, unless justified by the distributor.

Select the "Check to dispose of account" checkbox in column BT if the sub-account is requested for disposition.

Effective May 23, 2017, per the OEB's letter titled Guidance on Disposition of Accounts 1588 and 1589, applicants must reflect RPP Settlement true-up claims pertaining to the period that is being requested for disposition in Accounts 1588 and 1589. This is to include true ups that impact the GA as well. The amount requested for disposition starts with the audited account balance. If the audited account balance does not reflect the true-up claims for that year, the impacts of the true-up claims are to be shown in the Adjustment column in that year. Note that this true-up claim will need to be reversed in the amount requested for disposition in the following year. However, if the RPP Settlement true-up claim was not reflected at the end of the last year of the account balance that was previously disposed, then no adjustment would have to be made in the first year at the beginning of the current period being requested for disposition. This way the adjustment is appropriately captured in the last year of the previously disposed period and the first year of the current period requested for disposition. Note that if a distributor has any balance in Account 1589 that pertains to Class A, this must be excluded from the balance requested for disposition.

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Column BU has been prepopulated from the latest 2.1.7 RRR filing.

For all Group 1 Accounts, except for Account 1595, start inputting data from the year in which the GL balance was last disposed. For example, if in the 2018 rate application, DVA balances as at December 31, 2016 were approved for disposition, start the continuity schedule from 2016 by entering the 2015 closing balance in the Adjustment column under 2015. For all Account 1595 sub-accounts, complete the DVA continuity schedule for each Account 1595 vintage year that has a GL balance as at December 31, 2017 regardless of whether the account is being requested for disposition in the current application. For each Account 1595 sub-account, start inputting data from the year the sub-account started to accumulate a balance (i.e. the vintage year). For example, for Account 1595 (2015),data should be inputted starting in 2015 when the relevant balances approved for disposition was first transferred into Account 1595 (2015).

Please refer to the footnotes for further instructions.

If you had any Class A customers at any point during the period that the Account 1589 GA balance accumulated (i.e. from the year the balance was last disposed to 2017), check off the checkbox.

If you had Class A customer(s) during this period, Tab 6 will be generated and applicants must complete the information pertaining to Class A customers.

If you had any customers classified as Class A at any point during the period where Account 1580, sub-account CBR Class B balance accumulated (i.e. 2017 or 2017 to 2016 or 2015 to 2017), check off the checkbox.

If you had Class A customer(s) during this period, Tab 6.2 will be generated. Account 1580, sub-account CBR Class B will be disposed through a separate rate rider calculated in Tab 6.2.

If you only had Class B customers during this period, the balance in 1580 sub-account CBR Class B will be allocated and disposed with Account 1580 WMS.

			2	2018		P ₁	rojected Interest	on Dec-31-17 Balance	es	2.1.7 RRR	
Account Descriptions	Account Number	Principal Disposition during 2018 - instructed by OEB	Interest Disposition during 2018 - instructed by OEB	Closing Principal Balances as of Dec 31, 2017 Adjusted for Disposition during 2018	Closing Interest Balances as of Dec 31, 2017 Adjusted for Disposition during 2018	Projected Interest from Jan 1, 2018 to Dec 31, 2018 on Dec 31, 2017 balance adjusted for disposition during 2018 ²	Projected Interest from Jan 1, 2019 to Apr 30, 2019 on Dec 31, 2017 balance adjusted for disposition during 2018 ²	Total Interest	Total Claim	As of Dec 31, 2017	Variance RRR vs. 2017 Balance (Principal + Interest)
Group 1 Accounts											
LV Variance Account	1550	81,768	1,348	76,354	623	1,369		1,992	78,346	160,094	0
Smart Metering Entity Charge Variance Account	1551	(20,636)	(323)		(131)			(280)	(8,589)	(29,399)	
RSVA - Wholesale Market Service Charge ⁵	1580	(1,627,076)	(25,742)	(1,651,500)	(19,999)	(29,603)		(49,602)	(1,701,102)	(3,389,679)	(65,362)
Variance WMS – Sub-account CBR Class A⁵	1580	0	0	0	50	0		50	0	50	0
Variance WMS – Sub-account CBR Class B⁵	1580	(62,618)	(1,165)	(8,937)	7,309	(160)		7,149	(1,788)	(72,532)	(7,120)
RSVA - Retail Transmission Network Charge	1584	(641,050)	(9,229)	1,685,987				38,400	1,724,386		
RSVA - Retail Transmission Connection Charge	1586	(258,199)	(2,777)	1,559,387	8,968	27,952		36,920	1,596,307	1,307,380	0
RSVA - Power ⁴	1588	(1,031,019)	(28,453)	(142,399)	(7,912)	(2,553)		(10,465)	(152,864)	(1,209,784)	(0)
RSVA - Global Adjustment⁴	1589	3,285,963	79,013	2,717,540	30,090	48,712		78,802	2,796,342	6,258,494	145,887
Disposition and Recovery/Refund of Regulatory Balances (2012) ³	1595			0	(0		0 Check to D	Dispose of Account 0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2013) ³	1595			0	(0		0 Check to D	Dispose of Account 0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2014) ³	1595			0	(0		0	Dispose of Account 0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2015) ³	1595	(97,851)	(2,300)	(0)	(70)	(0)		(70) Check to D	Dispose of Account 0	(100,221)	0
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595			1,053,768	(325,235)	15,809		(309,426) 🗹 Check to [Dispose of Account 744,342	549,030	(179,503)
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595			(883,355)	543,009	(15,834)		527,175 ☐ Check to I	Dispose of Account 0	(340,346)	0
Disposition and Recovery/Refund of Regulatory Balances (2018) ³ Not to be disposed of until a year after rate rider has expired and that balance has been audited	1595			0	C)		0	Dispose of Account 0		0
RSVA - Global Adjustment	1589	3,285,963	79,013	2,717,540	30,090	48,712	0	78,802	2,796,342	6,258,494	145,887
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(3,656,681)	(68,639)		214,789	27,052	0	241,842	2,279,038	(2,009,040)	
Total Group 1 Balance		(370,718)	10,374		244,879	75,764	0	320,644	5,075,380	4,249,454	
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	393,177	6,307	772,898	4,541	13,854		18,395	791,293	1,061,379	(115,544)
Total including Account 1568		22,459	16,681	5,171,434	249,420	89,618	0	339,039	5,866,673	5,310,833	(149,161)

For all OEB-Approved dispositions, please ensure that the disposition amount has the same sign (e.g. debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related OEB decision.

Please provide explanations for the nature of the adjustments. If the adjustment relates to previously OEB-Approved disposed balances, please provide amounts for adjustments and include supporting documentations. If the LDC's rate year begins on January 1, 2019, the projected interest is recorded from January 1, 2018 to December 31, 2018 on the December 31, 2017 balances adjusted for the disposed balances approved by the OEB in the 2018 rate decision. If the LDC's rate year begins on May 1, 2019, the projected interest is recorded from January 1, 2018 to April 30, 2019 on the December 31, 2017 balances adjusted for the disposed interest balances approved by the OEB in the 2018 rate decision.

The individual sub-accounts as well as the total for all Account 1595 sub-accounts is to agree to the RRR data. Differences need to be explained. For each Account 1595 sub-account, the transfer of the balance approved for disposition into Account 1595 is to be recorded in "OEB Approved Disposition" column. The recovery/refund is to be recorded in the "Transaction" column. The audited balance in the account is only to be disposed a year after the recovery/refund period has been completed. Generally, no further transactions would be expected to flow through the account after that. Any vintage year of Account 1595 is only to be disposed once on a final basis. No further dispositions of these accounts are generally expected thereafter, unless justified by the distributor.

Select the "Check to dispose of account" checkbox in column BT if the sub-account is requested for disposition.

Effective May 23, 2017, per the OEB's letter titled Guidance on Disposition of Accounts 1588 and 1589, applicants must reflect RPP Settlement true-up claims pertaining to the period that is being requested for disposition in Accounts 1588 and 1589. This is to include true ups that impact the GA as well. The amount requested for disposition starts with the audited account balance. If the audited account balance does not reflect the true-up claims for that year, the impacts of the true-up claims are to be shown in the Adjustment column in that year. Note that this true-up claim will need to be reversed in the amount requested for disposition in the following year. However, if the RPP Settlement true-up claim was not reflected at the end of the last year of the account balance that was previously disposed, then no adjustment would have to be made in the first year at the beginning of the current period being requested for disposition. This way the adjustment is appropriately captured in the last year of the previously disposed period and the first year of the current period requested for disposition. Note that if a distributor has any balance in Account 1589 that pertains to Class A, this must be excluded from the balance requested for disposition.



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

Click on the checkbox to confirm the accuracy of the data below:

If you have identified any issues, please contact the

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

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

Rate Class	Unit	Total Metered kWh	kW	Metered kWh for Non-RPP Customers (excluding WMP)	Metered kW for Non-RPP Customers (excluding WMP)		Metered kW for Wholesale Market Participants (WMP)	Total Metered kWh less WMP consumption (if applicable)	Total Metered kW less WMP consumption (if applicable)	1595 Recovery Proportion (2016) ¹	1568 LRAM Variance Account Class Allocation (\$ amounts)	Number of Customers for Residential and GS<50 classes ³
RESIDENTIAL SERVICE CLASSIFICATION	kWh	342,442,311	0	12,421,581	0	0	0	342,442,311	0	38%	171,897	50,542
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	136,257,078	0	24,815,969	0	0	0	136,257,078	0	10%	75,681	4,079
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	394,872,668	1,090,970	354,253,587	983,137	6,196,614	13104	388,676,054	1,077,866	27%	112,231	
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	527,071,124	1,111,659	527,071,124	1,111,659	0	0	527,071,124	1,111,659	14%	120,545	
LARGE USE SERVICE CLASSIFICATION	kW	189,347,197	398,563	189,347,197	398,562	0	0	189,347,197	398,563	10%	331,679	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,923,140	0	380,988	0	0	0	1,923,140	0	0%	C	
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0	0%		
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	18,294	51	669	1	0	0	18,294	51	0%	C	
STREET LIGHTING SERVICE CLASSIFICATION	kW	10,236,100	28,486	10,236,100	28,486	0	0	10,236,100	28,486	0%	-20,739	
	Total	1,602,167,912	2,629,729	1,118,527,215	2,521,845	6,196,614	13,104	1,595,971,298	2,616,625	100%	791,293	54,621

Т	hre	esh	nol	d T	est
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Total Claim (including Account 1568)	\$5,866,673
Total Claim for Threshold Test (All Group 1 Accounts)	\$5,075,380
Threshold Test (Total claim per kWh) ²	\$0.0032

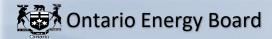
1568 Account Balance from Continuity Schedule 791,293

Total Balance of Account 1568 in Column S matches the amount entered on the Continuity Schedule

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

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

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



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

Allocation of Group 1 Accounts (including Account 1568)

		% of Customer	% of Total kWh adjusted for			allocated based on Total less WMP			allocated based on Total less WMP		
Rate Class	% of Total kWh	Numbers **	•	1550	1551	1580	1584	1586	1588	1595_(2016)	1568
RESIDENTIAL SERVICE CLASSIFICATION	21.4%	92.5%	6 21.5%	16,745	(7,948)	(365,000)	368,565	341,190	(32,800)	283,417	171,897
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	8.5%	7.5%	8.5%	6,663	(641)	(145,233)	146,651	135,759	(13,051)	75,538	75,681
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	24.6%	0.0%	6 24.4%	19,309	0	(414,279)	424,995	393,428	(37,228)	199,626	112,231
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	32.9%	0.0%	33.0%	25,774	0	(561,791)	567,278	525,143	(50,484)	106,811	120,545
LARGE USE SERVICE CLASSIFICATION	11.8%	0.0%	6 11.9%	9,259	0	(201,820)	203,791	188,655	(18,136)	74,506	331,679
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	0.1%	0.0%	6 0.1%	94	0	(2,050)	2,070	1,916	(184)	1,559	0
STANDBY POWER SERVICE CLASSIFICATION	0.0%	0.0%	6 0.0%	0	0	0	0	0	0	0	0
SENTINEL LIGHTING SERVICE CLASSIFICATION	0.0%	0.0%	6 0.0%	1	0	(19)	20	18	(2)	122	0
STREET LIGHTING SERVICE CLASSIFICATION	0.6%	0.0%	6 0.6%	501	0	(10,910)	11,017	10,199	(980)	2,764	(20,739)
Total	100.0%	100.0%	6 100.0%	78,346	(8,589)	(1,701,102)	1,724,386	1,596,307	(152,864)	744,342	791,293

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



2a

2b

3a

Incentive Regulation Model for 2019 Filers

Please select the Year the Account 1580 CBR Class B was Last Disposed.

2016

(e.g. If in the 2018 EDR process, you received approval to dispose the GA variance account balance as at December 31, 2016, enter 2016.)

Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1589 GA balance accumulated (i.e. from the year after the balance was last disposed to 2017)?

Yes

(e.g. If you received approval to dispose of the GA variance account balance as at December 31, 2015, the period the GA variance accumulated would be 2016 and 2017.)

Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1580, subaccount CBR Class B balance accumulated (i.e. from the year after the balance was last disposed to 2017)?

Yes

(e.g. If you received approval to dispose of the CBR Class B balance as at December 31, 2016, the period the CBR Class B variance accumulated would be 2017.)

Enter the number of transition customers you had during the period the Account 1589 GA balance accumulated.

45

1.139	Transition Customers -	Non-loss Adjusted Billing Determinants by Customer		20	47
Colored 2 Colored 2 Colored 2 Colored 2 Colored 3 Colo			-	January to June	July to December
C. 1279 C. 2 STREET LEWIS CO. 2007 C. 2-50 C. 2007 C	Customer 1	LARGE USE SERVICE CLASSIFICATION	<u>-</u>		
C. C. STATE CO.	Customer 2	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	·	В -	A 7,031,870
CACRESSIVE STREET, LEGITIA CORP. OF STREET, CANADA STREET, CANADA STREET, CACRESSIVE STRE			<u>-</u>	- В	
GREAT GREAT GREAT GREAT C 499 FW SERVE C 1509 FC 1700 F	Customer 3	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	5,738,046	6,041,045
16.727 16.728 1			Class A/B	В	А
Cultimer's Chinemal Server Color 10 A 500 for Memoria Cultimer's	Customer 4	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	16,727	
Carboner 1	Customer 5	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION			A 6,189,438
General Security 1, 2007 10, 2007 10, 2007 10, 2007 10, 2007 10, 2007 10, 2007 10, 2007 10, 2007 10, 2007 10, 2007 10, 2007 11, 2007 10, 2007 11,			<u>-</u>		
Cartamer 11 Cartamer 21 Cartamer 32 Cartamer 32 Cartamer 32 Cartamer 32 Cartamer 32 Cartamer 32 Cartamer 34 Carta	Customer 6	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh		6,688,186 14 453
SAMPAGE SPRINGE 1,000 TO 4,999 ON SERVICE CLASS RECEION 100	Customer 7	CENERAL SERVICE A 000 TO A 000 KW SERVICE OF ASSISTENTION	Class A/B	В	А
CASSINUM 1 SAMPA SPRINGE 1021 TO 4,900 AM SPRINGE CASSIFICATION 1,000 1,1270 3,254 3,561 33,564 3,600 3,	Customer 7	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	15,254	15,513
CASIONEY 2 SIMBRAL SERVICE 1,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 10 SIMBRAL SERVICE 1,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 11 CASIONEY 12 SIMBRAL SERVICE 1,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 12 SIMBRAL SERVICE 1,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 12 SIMBRAL SERVICE 1,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 13 SIMBRAL SERVICE 1,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 13 SIMBRAL SERVICE 1,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 13 SIMBRAL SERVICE 1,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 13 SIMBRAL SERVICE 1,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 13 SIMBRAL SERVICE 1,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 13 SIMBRAL SERVICE 1,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 13 SIMBRAL SERVICE 1,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 13 SIMBRAL SERVICE 1,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 13 SIMBRAL SERVICE 1,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 13 SIMBRAL SERVICE 1,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 13 SIMBRAL SERVICE 1,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 13 SIMBRAL SERVICE 1,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 13 SIMBRAL SERVICE 2,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 13 SIMBRAL SERVICE 2,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 13 SIMBRAL SERVICE 2,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 13 SIMBRAL SERVICE 2,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 23 SIMBRAL SERVICE 2,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 23 SIMBRAL SERVICE 2,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 23 SIMBRAL SERVICE 2,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 23 SIMBRAL SERVICE 2,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 23 SIMBRAL SERVICE 2,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 23 SIMBRAL SERVICE 2,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 23 SIMBRAL SERVICE 2,000 TIG 4,999 RW SERVICE CLASSIFICATION CASIONEY 24 SIMBR	Customer 8	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh		5,361,559
CASIONEY 12 CREAM SERVICE 1.003 TO 4.395 KM SERVICE CLASS PICATION CHARACTER 1.007 TO 4.395 KM SERVICE CLASS PICATION C			-		
Customer 10 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 11 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 12 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 13 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 14 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 14 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 14 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 14 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 14 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 15 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 16 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 17 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 18 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 19 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 19 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 19 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 19 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 10 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 10 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 10 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 10 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 10 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 10 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 10 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 10 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 10 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 10 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 10 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLASSIFICATION Customer 10 GENERAL SERVICE LOSS TO A. 599 KW SERVICE CLA	Customer 9	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	<u>-</u>		
MW	Customer 10	GENERAL SERVICE 1 000 TO 4 999 KW SERVICE CLASSIFICATION		В	А
Customer 12 Customer 13 Customer 14 Customer 15 Customer 15 Customer 15 Customer 16 Customer 17 Customer 17 Customer 17 Customer 18 Customer 18 Customer 18 Customer 19 Customer 20 Customer 19 Customer 20 Custo			kW	12,858	13,509
CUSOMER 1 SENDE LODG TO A 799 KW SERVICE CLASS FICATION	Customer 11	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	6,116,918	6,733,704
Customer 13 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION KW			Class A/B	В	А
Customer 13 CENTRAL, SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 7,955 CUSTOMER 1 CUSTOMER 1,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 7,955 CUSTOMER 1,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 7,955 CUSTOMER 1,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 8,978 CUSTOMER 1,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 8,978 CUSTOMER 1,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 8,978 CUSTOMER 1,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 8,978 CUSTOMER 1,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 8,978 CUSTOMER 1,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,978 CUSTOMER 1,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,978 CUSTOMER 1,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,978 CUSTOMER 1,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,978 CUSTOMER 1,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,978 CUSTOMER 1,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,978 CUSTOMER 1,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,978 CUSTOMER 1,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,978 CUSTOMER 1,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,978 CUSTOMER 2,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,978 CUSTOMER 2,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,978 CUSTOMER 2,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,978 CUSTOMER 2,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,978 CUSTOMER 2,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,978 CUSTOMER 2,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,978 CUSTOMER 2,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,978 CUSTOMER 2,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,078 CUSTOMER 2,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,078 CUSTOMER 2,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,078 CUSTOMER 2,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,078 CUSTOMER 2,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,078 CUSTOMER 2,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,078 CUSTOMER 2,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,078 CUSTOMER 2,000 TO 4,999 KW SERVICE CLASSIFICATION LEV 9,078 CUSTOMER 2,000 TO 4,999 KW SE	Customer 12	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	<u> </u>		
Customer 14 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 15 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 15 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 16 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 17 CUSTOMER 17 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 17 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 18 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 19 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 KW SERVICE CLASS FICATION CUSTOMER 20 CENTRAL SERVICE 1,000 TO 4,999 K	Customer 13	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION			
Castomer 14 GENERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSIFICATION NW 4,922,492 4,974,692 1,200 TO 4,599 KW SERVICE CLASSIFICATION NW 1,1,370 1,200 1,200 TO 4,599 KW SERVICE CLASSIFICATION NW 1,0,666 4,915,779 1,000 TO 4,599 KW SERVICE CLASSIFICATION NW 1,0,666 4,978,479 4,915,779 1,000 TO 4,999 KW SERVICE CLASSIFICATION NW 1,0,666 4,978,479 4,978,479 1,000 TO 4,999 KW SERVICE CLASSIFICATION NW 1,0,575 4,247,435 1,000 TO 4,599 KW SERVICE CLASSIFICATION NW 1,0,575 4,247,435 1,000 TO 4,599 KW SERVICE CLASSIFICATION NW 1,0,575 4,247,435 1,000 TO 4,599 KW SERVICE CLASSIFICATION NW 1,0,575 4,247,435 1,000 TO 4,599 KW SERVICE CLASSIFICATION NW 1,0,500 KW 1,000 KW 1,0			<u> </u>	•	
Customer 15 CEMERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSITICATION CUSTOMER 15 CEMERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSITICATION CUSTOMER 17 CEMERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSITICATION CUSTOMER 18 CEMERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSITICATION CUSTOMER 18 CEMERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSITICATION CUSTOMER 18 CEMERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSITICATION CUSTOMER 19 CEMERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSITICATION CUSTOMER 19 CEMERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSITICATION CUSTOMER 19 CEMERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSITICATION CUSTOMER 20 CEMERAL SERVICE 5 TO 599 KW SERVICE CLASSITICATION CUSTOMER 21 CEMERAL SERVICE 5 TO 599 KW SERVICE CLASSITICATION CUSTOMER 22 CEMERAL SERVICE 5 TO 599 KW SERVICE CLASSITICATION CUSTOMER 23 CEMERAL SERVICE 5 TO 599 KW SERVICE CLASSITICATION CUSTOMER 24 CEMERAL SERVICE 5 TO 599 KW SERVICE CLASSITICATION CUSTOMER 24 CEMERAL SERVICE 5 TO 599 KW SERVICE CLASSITICATION CUSTOMER 25 CEMERAL SERVICE 5 TO 599 KW SERVICE CLASSITICATION CUSTOMER 25 CEMERAL SERVICE 5 TO 599 KW SERVICE CLASSITICATION CUSTOMER 25 CEMERAL SERVICE 5 TO 599 KW SERVICE CLASSITICATION CUSTOMER 25 CEMERAL SERVICE 5 TO 599 KW SERVICE CLASSITICATION CUSTOMER 25 CEMERAL SERVICE 5 TO 599 KW SERVICE CLASSITICATION CUSTOMER 25 CEMERAL SERVICE 5 TO 599 KW SERVICE CLASSITICATION CUSTOMER 25 CEMERAL SERVICE 5 TO 599 KW SERVICE CLASSITICATION CUSTOMER 25 CEMERAL SERVICE 5 TO 599 KW SERVICE CLASSITICATION CUSTOMER 25 CEMERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSITICATION CUSTOMER 25 CEMERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSITICATION CUSTOMER 25 CEMERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSITICATION CUSTOMER 25 CEMERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSITICATION CUSTOMER 25 CEMERAL SERVICE 5 TO 599 KW SERVICE CLASSITICATION CUSTOMER 25 CEMERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSITICATION CUSTOMER 25 CEMERAL SERVICE 5 TO 10 4,599 KW SERVICE CLASSITICATION CUSTOMER 25 CEMERAL SERVICE 5 TO 10 4	Customer 14	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	4,922,492	4,974,669
Customer 16	6.1	CENTED AL CEDIVICE A 200 TO A 200 KW CEDIVICE CLASSIFICATION	Class A/B	В	Α
Customer 16 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSFICATION W/N 4,298.475 4,610,199 10,174	Customer 15	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	10,660	
Customer 12 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 18 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 18 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 20 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 21 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 21 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 21 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 22 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION LUSTOMER 23 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION LUSTOMER 23 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION LUSTOMER 24 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION LUSTOMER 25 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION LUSTOMER 25 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION LUSTOMER 26 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION LUSTOMER 26 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 26 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 26 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 26 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 26 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 26 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 26 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 26 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 27 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 29 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 29 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 29 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 29 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 29 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 29 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION LUSTOMER 29 GENERAL S	Customer 16	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION			
Customer 18 SENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 3,383,851 3,869,906 Class A/b B A Customer 19 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 3,340,304 3,721,831 Customer 20 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 3,340,304 3,721,831 Customer 21 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 6,388 7,687.77 Customer 21 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION KWh 3,099,500 4,813,000 Customer 22 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION KWh 7,631 7,463 Customer 23 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION KWh 5,304,309 3,399,305 Customer 23 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION KWh 5,545,375 5,566,376 Customer 24 Customer 25 GENERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSIFICATION KWh 5,545,375 5,566,376 Customer 25 GENERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSIFICATION KWh 5,524,409 5,748,219 Customer 25 GENERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSIFICATION KWh 5,524,409 5,748,219 Customer 26 GENERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSIFICATION KWh 6,525,911 6,999,605 Customer 26 GENERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSIFICATION KWh 6,525,911 6,999,605 Customer 26 GENERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSIFICATION KWh 6,525,911 6,999,605 Customer 27 GENERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSIFICATION KWh 6,525,911 6,999,605 Customer 28 GENERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSIFICATION KWh 6,525,911 6,999,605 Customer 29 GENERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSIFICATION KWh 6,525,911 6,999,605 Customer 30 GENERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSIFICATION KWh 6,525,911 6,999,605 Customer 30 GENERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSIFICATION KWh 6,525,911 6,999,605 Customer 30 GENERAL SERVICE 1,000 TO 4,599 KW SERVICE CLASSIFICATION KWh 6,525,9			<u> </u>		
Customer 18 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWN	Customer 17	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	<u>-</u>		
Customer 19	Customer 19	GENERAL SERVICE 1 000 TO 4 000 KW SERVICE CLASSIFICATION	Class A/B	В	Α
Customer 19 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 3,50,304 3,773,831	customer 18	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	7,812	8,248
Customer 20 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 21 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION Customer 22 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION Customer 22 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION Customer 23 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION Customer 24 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 24 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 25 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 26 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 27 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 26 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 27 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 27 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 28 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 27 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 28 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 28 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 29 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 29 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 29 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 29 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 30 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 31 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 32 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 33 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 34 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 35 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 36 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 36 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 36 GENERAL SERVICE 1,000 TO	Customer 19	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	3,540,504	3,721,831
Customer 21			<u> </u>	·	·
Customer 21 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION KWh 3,099.907 4,834.080 kW KWh 3,099.907 4,834.080 kW KWh 3,509.781 3,794.587 4,635.007 4,63	Customer 20	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION			
Customer 22 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWN 3,309,781 3,794,587 KWN 7,631 7,463	Customer 21	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION			
Customer 22 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWN 3,090,781 3,794,587 KW 7,631 7,463 Class A/8 8 A A Class A/8 B A A			<u> </u>	8,616	10,758
Customer 23	Customer 22	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	3,509,781	3,794,587
Customer 24	6		Class A/B	В	А
Customer 24 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh	Customer 23	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	13,635	15,424
Customer 25 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 6,252,911 6,339,051 1,775 Class A/B B A A 11,329 11,775 Class A/B B A A A A A A A A	Customer 24	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION			
Customer 26 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION KWh 3,170,003 2,249,441 KWh 6,508 5,362 Class A/B B A Customer 27 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 6,111,521 5,848,635 KWh 11,021 10,471 Class A/B B A Customer 28 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 2,607,540 2,773,625 Class A/B B A Customer 29 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 4,063,920 4,582,538 KWh 6,111,521 Class A/B B A Customer 30 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 3,779,245 4,319,125 Class A/B B A Customer 31 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 3,937,447 4,294,166 KWh 8,844 8,424 Class A/B B A Customer 32 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 2,193,286 1,873,557 KWh 2,248,578 KWh 2,248,578 Class A/B B A Customer 33 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 2,248,578 2,304,942 KWh 2,348,578 2,304,942 KWh 2,348,578 2,304,942 KWh 2,348,578 2,304,942 KWh 2,344,648 KWh 2,344,648 KWh 2,344,648 KWh 2,344,648 KWh 2,344,648 KWh 2,344,648 KWh 2,444,648 Class A/B B A KWh 2,444,648 Class A/B B A			<u> </u>		
Class A/B B A	Customer 25	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	<u> </u>		
KW 6,508 5,362	Customer 26	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	Class A/B	В	А
Customer 27 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 6,111,521 5,848,635 KW 11,021 10,471 Class A/B B A Customer 28 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 2,607,540 2,773,625 KW 6,262 6,260 Class A/B B A Customer 29 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 4,063,920 4,582,538 KW 8,124 9,243 Class A/B B A Customer 30 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 3,779,245 4,319,125 KW 7,447 8,449 Class A/B B A Customer 31 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 3,937,447 4,294,166 KW 8,344 8,424 Class A/B B A Customer 32 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 2,193,286 1,873,557 KW 5,851 5,756 Class A/B B A Customer 33 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 2,193,286 1,873,557 KW 5,851 5,756 Class A/B B A Customer 34 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 1,728,092 1,964,489 KW 5,380 5,891 Customer 34 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 1,728,092 1,964,489 KW 5,380 5,891 Customer 35 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 1,728,092 1,964,489 KW 5,380 5,891 Customer 36 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 2,440,485 2,145,079 KW 5,328 4,899 Customer 36 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION KWh 1,318,723 1,066,489 KW 4,598 3,733 Customer 36 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION KWh 1,318,723 1,066,489 KW 4,598 3,733	customer 20	GENERAL SERVICE SO TO 333 KW SERVICE CLASSIFICATION	kW	6,508	5,362
Class A/B B A	Customer 27	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	6,111,521	5,848,635
RW 6,262 6,260			Class A/B	В	А
Customer 29 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWh 4,063,920 4,582,538 Rw 8,124 9,243 9,243 Class A/B B A Class A/B B A A,063,920 A,582,538 B A A,064,942 A,063,920 A,582,538 B A A,064,849 B A A,063,920 A,582,538 A,064,849 B A A,063,920 A,582,538 A,064,849 B A A,063,920 A,582,538 A,064,849 A	Customer 28	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	<u> </u>		
Class A/B B A	Customer 29	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION			
Customer 30 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KW 7,447 8,449 Class A/B B A Customer 31 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KW 8,397,447 4,294,166 KW 8,344 8,424 Class A/B B A Customer 32 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KW 5,851 Class A/B B A Customer 33 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KW 5,851 Class A/B B A Customer 34 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KW 5,286 Class A/B B A Customer 34 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KW 5,286 Class A/B B A Customer 34 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KW 5,380 5,891 Class A/B B A Customer 35 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KW 5,380 5,891 Class A/B B A Customer 35 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KW 5,328 4,809 Class A/B B A Customer 36 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION KW 1,318,723 1,066,489 KW 4,598 3,733 Class A/B B A			-		
Class A/B B A Customer 31 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 32 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 32 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 33 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 34 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 34 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 34 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 35 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 35 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 35 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Customer 36 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Class A/B Customer 36 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Class A/B Class A/B Class A/B B A Customer 36 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION Class A/B Class A/B B A Customer 36 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION Class A/B Customer 36 Class A/B B A Customer 36 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION Class A/B Customer 36 Customer 36 Customer 36 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION Class A/B Customer 36 Customer 36 Customer 36 Customer 36 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION Customer 36 Customer 37 Customer 38 Customer 39 Customer 39 Customer 39 Customer 39 Customer 30 Custom	Customer 30	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh		
Residence Resi	Customer 21	GENERAL SERVICE 1 000 TO 4 999 KW SERVICE CLASSIFICATION	Class A/B	В	А
Customer 32 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION kW 5,851 5,756 Class A/B B A Customer 33 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION kW 5,286 5,463 Class A/B B A Customer 34 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION kW 5,286 5,463 Class A/B B A Customer 34 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION kW 5,380 5,891 Class A/B B A Customer 35 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION kW 5,380 5,891 Class A/B B A Customer 35 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION kW 5,328 4,809 Class A/B B A Customer 36 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION kW 1,318,723 1,066,489 KW 4,599 3,733 Class A/B B A	Castomer SI	SERVICE CLASSIFICATION	kW	8,344	8,424
Customer 33 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWH Class A/B KW Class A/B B A Customer 34 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION Class A/B Customer 34 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWH Class A/B Class A/B B A Customer 35 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWH Class A/B B A Customer 35 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION KWH Class A/B Class A/B B A Customer 36 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION KWH Class A/B B A	Customer 32	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	2,193,286	1,873,557
KW 5,286 5,463			Class A/B	В	А
Customer 34 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION kW 5,380 Class A/B B A Customer 35 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION kWh 2,440,485 2,145,079 kWh 5,328 4,809 Class A/B B A Customer 36 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION kWh 1,318,723 1,066,489 kWh 4,598 3,733 Class A/B B A	Customer 33	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION		5,286	
KW 5,380 5,891	Customer 34	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION			
Customer 35 GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION kWh 2,440,485 2,145,079 kW 5,328 4,809 Class A/B B A Customer 36 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION kWh 1,318,723 1,066,489 kWh 4,598 3,733 Class A/B B A			<u>-</u>		5,891
Customer 36 GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION KWh 1,318,723 1,066,489 KW 4,598 3,733 Class A/B B A	Customer 35	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	2,440,485	2,145,079
kW 4,598 3,733 Class A/B B A	Customer 26	GENERAL SERVICE SO TO 000 KW/ SERVICE CLASSIFICATION	Class A/B	В	А
· ·	Justicinici 30	SERVICE CLASSIFICATION	kW	4,598	3,733
	Customer 37	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION			

•				
		kW	6,065	5,340
		Class A/B	В	А
Customer 38	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	676,786	668,231
		kW	5,664	5,173
		Class A/B	В	А
Customer 39	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	2,161,847	1,866,555
		kW	5,474	5,079
		Class A/B	В	А
Customer 40	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	2,503,363	2,475,290
		kW	5,141	4,878
		Class A/B	В	А
Customer 41	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	1,839,374	1,513,638
		kW	5,083	4,438
		Class A/B	В	А
Customer 42	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	2,408,686	1,959,990
		kW	4,640	4,013
		Class A/B	В	А
Customer 43	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	783,912	637,130
		kW	4,282	3,677
		Class A/B	В	А
Customer 44	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	1,082,418	994,270
		kW	3,347	2,916
		Class A/B	В	А
Customer 45	LARGE USE SERVICE CLASSIFICATION	kWh	6,856,561	-
		kW	11,736	-
		Class A/B	В	А

Enter the number of customers who were Class A during the entire period since the Account 1589 GA balance accumulated (i.e. did not transition between Class A and B).

3b

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Class A Customers - Billing Determinants by Customer

Customer	Rate Class		2017
Customer A1	LARGE USE SERVICE CLASSIFICATION	kWh	92,365,083
		kW	173,192
Customer A2	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	28,003,514
		kW	57,476
Customer A3	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	37,805,020
		kW	56,803
Customer A4	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	23,750,000
		kW	51,615
Customer A5	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	23,328,009
		kW	42,596
Customer A6	LARGE USE SERVICE CLASSIFICATION	kWh	37,275,288
		kW	70,768
Customer A7	LARGE USE SERVICE CLASSIFICATION	kWh	37,093,703
		kW	69,214
Customer A8	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	22,580,617
		kW	44,241
Customer A9	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	21,155,556
		kW	38,665
Customer A10	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	28,185,629
		kW	49,105
Customer A11	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	26,858,488
		kW	65,540



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

Year the Account 1589 GA Balance Last Disposed

2016

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

		Total	2017
Total Non-RPP Class B Consumption for Years During Balance Accumulation (Non-RPP Consumption LESS WMP Consumption and Consumption for Class A customers who were Class A for partial or			
full year)	Α	376,753,694	376,753,694
Transition Customers' Class B Consumption (i.e. full year or partial year)	В	179,479,894	179,479,894
Transition Customers' Portion of Total Consumption	C=B/A	47.64%	

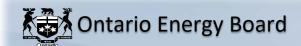
Allocation of Total GA Balance \$

Total GA Balance	D	\$ 2,796,342
Transition Customers Portion of GA Balance	E=C*D	\$ 1,332,136
GA Balance to be disposed to Current Class B Customers through		
Rate Rider	F=D-E	\$ 1,464,206

Allocation of GA Balances to Class A/B Transition Customers # of Class A/B Transition Customers

# of Class A/B Transition Customers	45				
Customer	Total Metered Consumption (kWh) for Transition Customers During the Period WhenThey Were Class B Customers	Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers in 2017	% of kWh	Customer Specific GA Allocation for the Period When They Were a Class B customer	Monthly Equal Payments
Customer 1	8,184,295	8,184,295	4.56%		_
Customer 2	0,104,233	0,104,255	0.00%	\$ -	\$ -
Customer 3	5,738,046	5,738,046		т	\$ 3,549
Customer 4	6,202,040	6,202,040			
Customer 5	6,641,834		3.70%	•	\$ 4,108
Customer 6	6,768,036			•	
Customer 7	7,420,242				
Customer 8	5,807,981	5,807,981	3.24%	·	
Customer 9	5,623,126	5,623,126		•	
Customer 10	6,121,772		3.41%	•	\$ 3,786
Customer 11	6,116,918				\$ 3,783
Customer 12	4,970,213			•	
Customer 13	3,752,166				\$ 2,321
Customer 14	4,922,492				
Customer 15	4,714,910		2.63%		
Customer 16	4,298,475		2.39%		
Customer 17	3,947,657	3,947,657	2.20%	· ·	
Customer 18	3,835,851	3,835,851	2.14%	\$ 28,470	\$ 2,373
Customer 19	3,540,504	3,540,504	1.97%	\$ 26,278	\$ 2,190
Customer 20	2,652,843	2,652,843	1.48%	\$ 19,690	\$ 1,641
Customer 21	3,099,907	3,099,907	1.73%	\$ 23,008	\$ 1,917
Customer 22	3,509,781	3,509,781	1.96%	\$ 26,050	\$ 2,171
Customer 23	5,045,375	5,045,375	2.81%	\$ 37,448	\$ 3,121
Customer 24	5,324,409	5,324,409	2.97%	\$ 39,519	\$ 3,293
Customer 25	6,252,911	6,252,911	3.48%	\$ 46,410	\$ 3,868
Customer 26	3,170,603	3,170,603	1.77%	\$ 23,533	\$ 1,961
Customer 27	6,111,521	6,111,521	3.41%	\$ 45,361	\$ 3,780
Customer 28	2,607,540	2,607,540	1.45%	\$ 19,354	\$ 1,613
Customer 29	4,063,920	4,063,920	2.26%	\$ 30,163	\$ 2,514
Customer 30	3,779,245				\$ 2,338
Customer 31	3,937,447				\$ 2,435
Customer 32	2,193,286				\$ 1,357
Customer 33	2,248,578			•	
Customer 34	1,728,092			·	
Customer 35	2,440,485			· · · · · · · · · · · · · · · · · · ·	
Customer 36	1,318,723				
Customer 37	3,075,727				
Customer 38	676,786	·			
Customer 39	2,161,847				
Customer 40	2,503,363	2,503,363	1.39%	\$ 18,580	\$ 1,548

Customer 41	1,839,374	1,839,374	1.02%	\$ 13,652	\$ 1,138
Customer 42	2,408,686	2,408,686	1.34%	\$ 17,878	\$ 1,490
Customer 43	783,912	783,912	0.44%	\$ 5,818	\$ 485
Customer 44	1,082,418	1,082,418	0.60%	\$ 8,034	\$ 669
Customer 45	6,856,561	6,856,561	3.82%	\$ 50,891	\$ 4,241
Total	179,479,894	179,479,894	100.00%	\$ 1,332,136	



The purpose of this tab is to calculate the GA rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1589 GA was last disposed. Calculations in this tab will be modified upon completion of tab 6.1a, which allocates a portion of the GA balance to transition customers, if applicable.

Effective January 2017, the billing determinant and all rate riders for the disposition of GA balances will be calculated on an energy basis (kWhs) regardless of the billing determinant used for distribution rates for the particular class (see Chapter 3, Filing Requirements, section 3.2.5.2)

Defeate Data Billian Barrana Barran (formanda)	40
Default Rate Rider Recovery Period (in months)	12
Proposed Rate Rider Recovery Period (in	
months)	12

Rate Rider Recovery to be used below

		Total Metered Non-RPP 2017	Consumption for Class A Customers that were Class A for the entire period GA blance	Total Metered 2017 Consumption for Customers that Transitioned Between Class A and B during the	Non-RPP Metered Consumption for Current Class B Customers (Non-RPP Consumption excluding WMP, Class A and Transition		otal GA \$ allocated to Current Class B		
		Consumption excluding WMP	accumulated	period GA balance accumulated	Customers' Consumption)	% of total kWh	Customers	GA Rate Rider	
		kWh	kWh	kWh	kWh				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	12,421,581	0	0	12,421,581	2 20/	¢ 49 27E	\$0.0039	kWh
				U	, ,	3.3%	\$48,275	•	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	24,815,969	0	0	24,815,969	6.6%	\$96,444	\$0.0039	kWh
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	354,253,587	0	50,694,647	303,558,940	80.6%	\$1,179,744	\$0.0039	kWh
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	527,071,124	211,666,832	290,064,845	25,339,447	6.7%	\$98,479	\$0.0039	kWh
LARGE USE SERVICE CLASSIFICATION	kWh	189,347,197	166,734,074	22,613,123	0	0.0%	\$0	\$0.0000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	380,988	0	0	380,988	0.1%	\$1,481	\$0.0039	kWh
STANDBY POWER SERVICE CLASSIFICATION	kWh	0	0	0	0	0.0%	\$0	\$0.0000	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kWh	669	0	0	669	0.0%	\$3	\$0.0045	kWh
STREET LIGHTING SERVICE CLASSIFICATION	kWh	10,236,100	0	0	10,236,100	2.7%	\$39,781	\$0.0039	kWh
	Total	1,118,527,215	378,400,906	363,372,615	376,753,694	100.0%	\$1,464,207	,	

Total Metered 2017



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

Please enter the Year the Account 1580 CBR Class B was
Last Disposed.

[Note: Account 1580, Sub-account CBR Class B was established starting in 2015]

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

		Total	2017
Total Class B Consumption for Years During Balance Accumulation (Total Consumption LESS WMP Consumption and Consumption for Class A customers who were Class A for partial or full year)	А	179,479,894	179,479,894
Transition Customers' Class B Consumption (i.e. full year or partial year)	В	179,479,894	179,479,894
Transition Customers' Portion of Total Consumption	C=B/A	100.00%	0

Allocation of Total CBR Class B Balance \$

Total CBR Class B Balance	D	-\$ 1,	788
Transition Customers Portion of CBR Class B Balance	E=D*C	-\$ 1,	788
CBR Class B Balance to be disposed to Current Class B Customers			\Box
through Rate Rider	F=D-E	-\$	0

Allocation of CBR Class B Balances to Transition Customers

# of Class A/B Transition Customers	44	1			
Customer	Total Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers	Customers in 2017	% of kWh	Customer Specific CBR Class B Allocation for the Period When They Were a Class B Customer	Monthly Equal Payments
Customer 1	8,184,295		4.56%		
Customer 3	5,738,046		3.20%		-\$ 5
Customer 4	6,202,040		3.46%	-	
Customer 5	6,641,834	6,641,834	3.70%		
Customer 6	6,768,036		3.77%	-	
Customer 7	7,420,242		4.13%		
Customer 8	5,807,981	5,807,981	3.24%	-	
Customer 9	5,623,126		3.13%		
Customer 10	6,121,772		3.41%		-\$ 5
Customer 11	6,116,918		3.41%		
Customer 12	4,970,213	4,970,213	2.77%		
Customer 13	3,752,166	3,752,166	2.09%		-\$ 3
Customer 14	4,922,492	4,922,492	2.74%	-	·
Customer 15	4,714,910	4,714,910	2.63%	-\$ 47	-\$ 4
Customer 16	4,298,475	4,298,475	2.39%	-\$ 43	-\$ 4
Customer 17	3,947,657	3,947,657	2.20%	-\$ 39	-\$ 3
Customer 18	3,835,851	3,835,851	2.14%	-\$ 38	-\$ 3
Customer 19	3,540,504	3,540,504	1.97%	-\$ 35	-\$ 3
Customer 20	2,652,843	2,652,843	1.48%		
Customer 21	3,099,907	3,099,907	1.73%		
Customer 22	3,509,781	3,509,781	1.96%	-	· ·
Customer 23	5,045,375		2.81%		
Customer 24	5,324,409		2.97%		-
Customer 25	6,252,911	6,252,911	3.48%		
Customer 26	3,170,603	3,170,603	1.77%		
Customer 27	6,111,521		3.41%		-\$ 5
Customer 28	2,607,540		1.45%	•	-\$ 2
Customer 29	4,063,920		2.26%		-\$ 3
Customer 30	3,779,245		2.11%		
Customer 31	3,937,447		2.11%		-\$ 3 -\$ 3
					<u> </u>
Customer 32	2,193,286		1.22%		-\$ 2
Customer 33	2,248,578		1.25%		-\$ 2
Customer 34	1,728,092		0.96%		-\$ 1
Customer 35	2,440,485		1.36%		
Customer 36	1,318,723		0.73%		-\$ 1
Customer 37	3,075,727		1.71%		-\$ 3
Customer 38	676,786		0.38%		-\$ 1
Customer 39	2,161,847		1.20%		-\$ 2
Customer 40	2,503,363		1.39%		-\$ 2
Customer 41	1,839,374	1,839,374	1.02%	-\$ 18	-\$ 2
Customer 42	2,408,686	2,408,686	1.34%	-\$ 24	-\$ 2
Customer 43	783,912	783,912	0.44%	-\$ 8	-\$ 1
Customer 44	1,082,418		0.60%		-\$ 1
Customer 45	6,856,561		3.82%		-\$ 6
Total	179,479,894		100.00%		



The purpose of this tab is to calculate the CBR rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1580, sub-account CBR Class B balance accumulated.

Please select the Year the Account 1580 CBR Class B was 2016 Last Disposed.

(Note: Account 1580, Sub-account CBR Class B was established starting in 2015)

RESIDENTIAL SERVICE CLASSIFICATION
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION
LARGE USE SERVICE CLASSIFICATION
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION
STANDBY POWER SERVICE CLASSIFICATION
SENTINEL LIGHTING SERVICE CLASSIFICATION
STREET LIGHTING SERVICE CLASSIFICATION

	Total Metered Consumption Min	2017	Total Metered 2017 Cons Class A customers that we the entire period CBR Clas accumulated	re Class A for	Total Metered 2017 Consumpthat Transitioned Between Clathe period CBR Class B bala	ass A and B during (Metered Consumption for Cu Customers (Total Consumption L A and Transition Customers'	ESS WMP, Class	% of total kWh	Total CBR Class B \$ allocated to Current Class B Customers	CBR Class B Rate Rider	Unit
	kWh	kW	kWh	kW	kWh	kW	kWh	kW				
kWh	342,442,311	0	0	0	0	0	342,442,311	0	40.1%	\$0	\$0.0000	kWh
kWh	136,257,078	0	0	0	0	0	136,257,078	0	16.0%	\$0	\$0.0000	kWh
kWh	388,676,054	1,077,866	0	0	50,694,647	129,877	337,981,407	947,989	39.6%	\$0	\$0.0000	kW
kWh	527,071,124	1,111,659	211,666,832	406,040	290,064,845	630,633	25,339,447	74,986	3.0%	\$0	\$0.0000	kW
kWh	189,347,197	398,563	166,734,074	313,173	22,613,123	85,390	0	0	0.0%	\$0	\$0.0000	kW
kWh	1,923,140	0	0	0	0	0	1,923,140	0	0.2%	\$0	\$0.0000	kWh
kWh	0	0	0	0	0	0	0	0	0.0%	\$0	\$0.0000	kW
kWh	18,294	51	0	0	0	0	18,294	51	0.0%	\$0	\$0.0000	kW
kWh	10,236,100	28,486	0	0	0	0	10,236,100	28,486	1.2%	\$0	\$0.0000	kW
Total	1,595,971,298	2,616,625	378,400,906	719,213	363,372,615	845,900	854,197,777	1,051,512	100.0%	\$0	_	



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

Default Rate Rider Recovery Period (in months)
DVA Proposed Rate Rider Recovery Period (in months)
LRAM Proposed Rate Rider Recovery Period (in months)

12	
12	Rate Rider Rec
12	Rate Rider Rec

Rate Rider Recovery to be used below Rate Rider Recovery to be used below

		Total Metered	Metered kW	Total Metered kWh less WMP	Total Metered kW less WMP	Allocation of Group 1 Account Balances to All	Account Balances to Non- WMP Classes Only (If	Deferral/Variance Account Rate	Account Rate Rider for Non-WMP	Account 1568	
Rate Class	Unit	kWh	or kVA	consumption	consumption	1	Applicable) ²	Rider ²	(if applicable) ²		Revenue Reconcilation ¹
RESIDENTIAL SERVICE CLASSIFICATION	kWh	342,442,311	0	342,442,311	0	604,170		0.0018	0.0000	0.0005	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	136,257,078	0	136,257,078	0	205,685		0.0015	0.0000	0.0006	
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	394,872,668	1,090,970	388,676,054	1,077,866	1,037,359	(451,507)	0.9509	(0.4189)	0.1029	
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	527,071,124	1,111,659	527,071,124	1,111,659	612,731		0.5512	0.0000	0.1084	
LARGE USE SERVICE CLASSIFICATION	kW	189,347,197	398,563	189,347,197	398,563	256,255		0.6429	0.0000	0.8322	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,923,140	0	1,923,140	0	3,405		0.0018	0.0000	0.0000	
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0		0.0000	0.0000	0.0000	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	18,294	51	18,294	51	139		2.7325	0.0000	0.0000	
STREET LIGHTING SERVICE CLASSIFICATION	kW	10,236,100	28,486	10,236,100	28,486	12,590		0.4420	0.0000	(0.7280)	

Allocation of Group

Deferral/Variance

2,291,841.50

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

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



Summary - Sharing of Tax Change Forecast Amounts

For the 2016 year, enter any Tax Credits from the Cost of Service Tax Calculation

(Positive #)	199,000	
1. Tax Related Amounts Forecast from Capital Tax Rate Changes	2016	2018
Taxable Capital (if you are not claiming capital tax, please enter your OEB-Approved Rate Base)	151,391,730	\$ 151,391,730
Deduction from taxable capital up to \$15,000,000	\$ -	\$ -
Net Taxable Capital	\$ 151,391,730	\$ 151,391,730
Rate	0.00%	0.00%
Ontario Capital Tax (Deductible, not grossed-up)	\$ -	\$ -
2. Tax Related Amounts Forecast from Income Tax Rate Changes Regulatory Taxable Income	\$ 2,671,866	\$ 2,671,866
Corporate Tax Rate	26.50%	26.50%
Tax Impact	\$ 509,044	\$ 509,044
Grossed-up Tax Amount	\$ 692,577	\$ 692,578
Tax Related Amounts Forecast from Capital Tax Rate Changes	\$ -	\$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	\$ 692,577	\$ 692,578
Total Tax Related Amounts	\$ 692,577	\$ 692,578
Incremental Tax Savings		\$ 0
Sharing of Tax Amount (50%)		\$ 0

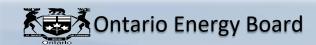


Calculation of Rebased Revenue Requirement and Allocation of Tax Sharing Amount. Enter data from the last OEB-Approved Cost of Service application in columns C through H.

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

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

Rate Class		Total kWh (most recent RRR filing)	Total kW (most recent RRR filing)	Allocation of Tax Savings by Rate Class	Distribution Rate Rider		
RESIDENTIAL SERVICE CLASSIFICATION	kWh	342,442,311		0	0.00	\$/customer	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	136,257,078		0	0.0000	kWh	
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	394,872,668	1,090,970	0	0.0000	kW	If the allocated tax sharing amount does not produce a rate rider in one
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	527,071,124	1,111,659	0	0.0000	kW	or more rate class (except for the Standby rate class), a distributor is
LARGE USE SERVICE CLASSIFICATION	kW	189,347,197	398,563	0	0.0000	kW	required to transfer the entire OEB-approved tax sharing amount into
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,923,140		0	0.0000	kWh	account 1595 for disposition at a later date (see Filing Requirements,
STANDBY POWER SERVICE CLASSIFICATION	kW			0	0.0000	kW	Appendix B)
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	18,294	51	0	0.0000	kW	
STREET LIGHTING SERVICE CLASSIFICATION	kW	10,236,100	28,486	0	0.0000	kW	
Total		1,602,167,912	2,629,729	\$0			



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

Rate Class	Rate Description	Unit	Rate	Adjusted Metered kWh	Adjusted Metered kW	Applicable Loss Factor	Loss Adjusted Billed kWh
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068	342,442,311	0	1.0260	351,345,811
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0059	342,442,311	0	1.0260	351,345,811
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0062	136,257,078	0	1.0260	139,799,762
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0052	136,257,078	0	1.0260	139,799,762
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.6095	335,503,700	926,943		
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.7067	59,368,967	164,027		
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1983	335,503,700	926,943		
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.2808	59,368,967	164,027		
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.7067	527,071,124	1,111,659		
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.2808	527,071,124	1,111,659		
Large Use Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.2687	189,347,197	398,563		
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.7540	189,347,197	398,563		
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0062	1,923,140	0	1.0260	1,973,142
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0052	1,923,140	0	1.0260	1,973,142
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.9979	18,294	51		
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6831	18,294	51		
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.4040	10,236,100	28,486		
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0253	10.236.100	28,486		

Non-Loss

Non-Loss



Uniform Transmission Rates	Unit	2017			2018		2019
Rate Description		Rate			Rate		Rate
Network Service Rate	kW	\$	3.66	\$	3.61	\$	3.61
Line Connection Service Rate	kW	\$	0.87	\$	0.95	\$	0.95
Transformation Connection Service Rate	kW	\$	2.02	\$	2.34	\$	2.34
Hydro One Sub-Transmission Rates	Unit	2017			2018		2019
Rate Description		Rate			Rate		Rate
Network Service Rate	kW	\$	3.1942	\$	3.1942	\$	3.1942
Line Connection Service Rate	kW	\$	0.7710	\$	0.7710	\$	0.7710
Transformation Connection Service Rate	kW	\$	1.7493	\$	1.7493	\$	1.7493
Both Line and Transformation Connection Service Rate	kW	\$	2.5203	\$	2.5203	\$	2.5203
If needed, add extra host here. (I)	Unit	2017			2018		2019
Rate Description		Rate			Rate		Rate
Network Service Rate	kW						
Line Connection Service Rate	kW						
Transformation Connection Service Rate	kW						
Both Line and Transformation Connection Service Rate	kW	\$	-	\$	-	\$	-
If needed, add extra host here. (II)	Unit	2017			2018		2019
Rate Description		Rate			Rate		Rate
Network Service Rate	kW						
Line Connection Service Rate	kW						
Transformation Connection Service Rate	kW						
Both Line and Transformation Connection Service Rate	kW	\$	-	\$	-	\$	-
Low Voltage Switchgear Credit (if applicable, enter as a negative value)	\$	Historical 2017		C	urrent 2018	Fo	recast 2019



In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Tab 10. For Hydro One Sub-transmission Rates, if you are charged a combined Line and Transformer connection rate, please ensure that both the Line Connection and Transformation Connection columns are completed.

If any of the Hydro One Sub-transmission rates (column E, I and M) are highlighted in orange, please double check the billing data entered in "Units Billed" and "Amount" columns. The highlighted rates do not match the Hydro One Sub-transmission rates approved for that time period. If data has been entered correctly, please provide explanation for the discrepancy in rates.

IESO Month	Units Billed	Network Rate	Amount	Lii Units Billed	ne Connect Rate	ion Amount	Transfo Units Billed	rmation Co Rate	nnection Amount	То	tal Connection Amount
lanuary	242 620	ቀ ን ድድ	Ф 904 692	250 224	 የለ 07	¢ 247.792	220 504	¢ 2.02	Ф 464 F70	¢	670.254
January February	243,629 239,061	\$3.66 \$3.66	\$ 891,682 \$ 874,963	250,324 251,854	\$0.87 \$0.87	\$ 217,782 \$ 219,113	228,501 229,627	\$2.02 \$2.02	\$ 461,572 \$ 463,847	\$ \$	679,354 682,960
March	232,466	\$3.66	\$ 850,826	243,584	\$0.87	\$ 211,918	223,449	\$2.02	\$ 451,367	\$	663,285
April	214,886	\$3.66	\$ 786,483	227,263	\$1.18	\$ 268,095	207,118	\$2.81	\$ 581,780	\$	849,875
May	223,504	\$3.66	\$ 818,025	234,937	\$0.87	\$ 204,395	215,537	\$2.02	\$ 435,385	\$	639,780
June	255,861	\$3.66	\$ 936,451	260,433	\$0.87	\$ 226,577	238,301	\$2.02	\$ 481,368	\$	707,945
July August	236,485 245,642	\$3.66 \$3.66	\$ 865,535 \$ 899,050	254,827 252,340	\$0.87 \$0.87	\$ 221,699 \$ 219,536	232,378 230,126	\$2.02 \$2.02	\$ 469,404 \$ 464,855	\$ \$	691,103 684,390
September	266,375	\$3.66	\$ 974,933	282,996		\$ 246,207	259,337	\$2.02	\$ 523,861	\$ \$	770,067
October	221,815	\$3.66	\$ 811,843	233,358	\$0.87	\$ 203,021	213,477	\$2.02	\$ 431,224	\$	634,245
November	238,004	\$2.12	\$ 504,613	252,675		\$ 247,323	232,864	\$3.21	\$ 747,104	\$	994,427
December	242,596	\$3.52	\$ 853,938	244,070	\$0.88	\$ 214,782	223,081	\$2.13	\$ 475,163	\$	689,944
Total	2,860,324	3.52	\$ 10,068,340	2,988,661	\$ 0.90	\$ 2,700,448	2,733,796	\$ 2.19	\$ 5,986,928	\$	8,687,376
Hydro One		Network		Liı	ne Connect	ion	Transfo	rmation Co	nnection	То	tal Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount		Amount
January	3,802	\$3.1942	\$ 12,145	4,198	\$0.7710	\$ 3,237	4,198	\$1.7493	\$ 7,343	\$	10,580
February	3,638	\$3.1942	\$ 11,620	3,872	\$0.7710	\$ 2,985	3,872	\$1.7493	\$ 6,773	\$	9,758
March	3,379	\$3.1942	\$ 10,793	3,708		\$ 2,859	3,708		\$ 6,487	\$	9,346
April	2,952	\$3.1942	\$ 9,430	3,257	\$0.7710	\$ 2,511	3,257	\$1.7493	\$ 5,697	\$	8,208
May June	3,161 4,735	\$3.1942 \$3.1942	\$ 10,096 \$ 15,126	3,165 4,735		\$ 2,440 \$ 3,651	3,165 4,735	\$1.7493 \$1.7493	\$ 5,537 \$ 8,284	\$ \$	7,978 11,935
July	4,735	\$3.1942	\$ 14,899	4,735		\$ 3,596	4,735		\$ 8,159	φ \$	11,756
August	4,332	\$3.1942	\$ 13,836	4,332		\$ 3,340	4,332		\$ 7,577	\$	10,917
September	4,871	\$3.1942	\$ 15,559	5,314		\$ 4,097	5,314		\$ 9,296	\$	13,393
October	3,065	\$3.1942	\$ 9,791	3,304	\$0.7710	\$ 2,547	3,304	\$1.7493	\$ 5,779	\$	8,327
November	3,483	\$3.1942	\$ 11,124	3,872		\$ 2,985	3,872		\$ 6,772	\$	9,757
December	4,181	\$3.1942	\$ 13,356	4,293	\$0.7710	\$ 3,310	4,293	\$1.7493	\$ 7,511	\$	10,821
Total	46,264		\$ 147,775		\$ 0.7710			\$ 1.7493		\$	122,774
Add Extra Host Here (I) (if needed)		Network			ne Connect			rmation Co		То	tal Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount		Amount
January		-			\$ -			\$ -		\$	-
February March		- • -			\$ - \$ -			\$ - \$ -		¢	-
April		, - } -			\$ -			\$ -		φ \$	- -
May		-			\$ -			\$ -		\$	_
June		-			\$ -			\$ -		\$	-
July		-			\$ -			\$ -		\$	-
August		-			\$ -			\$ -		\$	-
September		-			\$ -			\$ -		\$	-
October November		- •			\$ - \$ -			\$ -		\$	-
December		- -			\$ - \$ -			\$ - \$ -		э \$	- -
Total	- 9	-	\$ -		\$ -	\$ -		\$ -	\$ -	\$	
Add Extra Host Here (II) (if needed)		Network		Liı	ne Connect	ion	Transfo	rmation Co	nnection	То	tal Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount		Amount
January February		-			\$ - \$ -			\$ - \$ -		\$	-
March		р - } -			\$ -			\$ - \$ -		φ \$	-
April		-			\$ -			\$ -		\$	_
May		- } -			\$ -			\$ -		\$	-
June		-			\$ -			\$ -		\$	-
July		-			\$ -			\$ -		\$	-
August		- ¢			\$ - ¢			\$ -		\$	-
September October		-			\$ - \$ -			\$ - \$ -		Φ \$	-
November		-			\$ -			\$ -		\$	-
December		-			\$ -			\$ -		\$	-
Total	- 9	-	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$	-
Total		Network		Liı	ne Connect	ion	Transfo	rmation Co	nnection	То	tal Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount		Amount
January	247,431				\$ 0.8684			\$ 2.0151		\$	689,934
February	242,699			-		\$ 222,098		\$ 2.0155		\$	692,717
March	235,845							\$ 2.0156		\$	672,631
April May	217,838 \$ 226,665 \$			230,520 238,102		\$ 270,606 \$ 206,836		\$ 2.7925 \$ 2.0161	\$ 587,477 \$ 440,922	\$ \$	858,083 647,758
June	260,596 S			265,168		\$ 230,228		\$ 2.0161		φ \$	719,879
July	241,149			259,491	\$ 0.8682			\$ 2.0147		\$	702,859
August	249,974			256,672		\$ 222,876		\$ 2.0150		\$	695,307
September	271,246	3.6516	\$ 990,492	288,310	\$ 0.8682	\$ 250,304	264,651	\$ 2.0146	\$ 533,157	\$	783,460
October	224,880					\$ 205,569		\$ 2.0159		\$	642,572
November	241,487				\$ 0.9757			\$ 3.1845		\$	1,004,185
December	246,777				\$ 0.8781			\$ 2.1228		\$ 	700,765
Total	2,906,588	3.51	\$ 10,216,115	3,037,375	\$ 0.90	\$ 2,738,006	2,782,510	\$ 2.18	\$ 6,072,144	\$	8,810,150
							_ow Voltage Switc	_		\$	-
						Total including of	deduction for Low	/ Voltage Sv	vitchgear Credit	\$	8,810,150



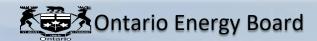
The purpose of this sheet is to calculate the expected billing when current 2018 Uniform Transmission Rates are applied against historical 2017 transmission units.

IESO		Network		Lin	e Connection		Transfo	rmation Cor	nection	Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	243,629 \$	3.6100 \$	•	-	\$ 0.9500 \$,	228,501	\$ 2.3400		\$ 772,50
February March	239,061 \$ 232,466 \$	3.6100 \$ 3.6100 \$	•	,	\$ 0.9500 \$ \$ 0.9500 \$	•	,	\$ 2.3400 \$ 2.3400		\$ 776,58 \$ 754,27
April	214,886 \$	3.6100	•	-	\$ 0.9500 \$	215,900	,	\$ 2.3400		\$ 700,55
May June	223,504 \$ 255,861 \$	3.6100 \$ 3.6100 \$	•	,	\$ 0.9500 \$ \$ 0.9500 \$	•	•	\$ 2.3400 \$ 2.3400		\$ 727,54 \$ 805,03
July	236,485 \$	3.6100	853,711	254,827	\$ 0.9500 \$	242,086	232,378	\$ 2.3400	\$ 543,765	\$ 785,85
August September	245,642 \$ 266,375 \$	3.6100 \$ 3.6100 \$	•	,	\$ 0.9500 \$ \$ 0.9500 \$	•	•	\$ 2.3400 \$ 2.3400		\$ 778,2° \$ 875,69
October	221,815 \$	3.6100 \$,	,	\$ 0.9500 \$	·	•	\$ 2.3400		\$ 721,22
November December	238,004 \$ 242,596 \$	3.6100 \$ 3.6100 \$,	,	\$ 0.9500 \$ \$ 0.9500 \$	•	•	\$ 2.3400 \$ 2.3400		\$ 784,94 \$ 753,87
Total	2,860,324 \$	3.61 \$		· 	\$ 0.9500 \$		2,733,796		\$ 6,397,083	\$ 733,87
Hydro One	2,860,324 \$	Network	10,323,770		e Connection		· ·	rmation Cor		Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	3,802 \$	3.1942			\$ 0.7710 \$			\$ 1.7493		\$ 10,58
February	3,638 \$	3.1942	11,620	3,872	\$ 0.7710 \$	2,985	3,872	\$ 1.7493	\$ 6,773	\$ 9,75
March	3,379 \$	3.1942	,	•	\$ 0.7710 \$	•	·	\$ 1.7493		\$ 9,34
April May	2,952 \$ 3,161 \$	3.1942 \$ 3.1942 \$	•	,	\$ 0.7710 \$ \$ 0.7710 \$	•	3,257 3,165	\$ 1.7493 \$ 1.7493	. ,	\$ 8,20 \$ 7,9
June	4,735 \$	3.1942	15,126	4,735	\$ 0.7710 \$	3,651	4,735	\$ 1.7493	\$ 8,284	\$ 11,93
July August	4,664 \$ 4,332 \$	3.1942 \$ 3.1942 \$	•	,	\$ 0.7710 \$ \$ 0.7710 \$,	•	\$ 1.7493 \$ 1.7493		\$ 11,75 \$ 10,9
September	4,871 \$	3.1942	15,559	5,314	\$ 0.7710 \$	4,097	5,314	\$ 1.7493	\$ 9,296	\$ 13,39
October November	3,065 \$ 3,483 \$	3.1942 \$ 3.1942 \$,	,	\$ 0.7710 \$ \$ 0.7710 \$,	,	\$ 1.7493 \$ 1.7493		\$ 8,32 \$ 9,75
December	4,181 \$	3.1942	,	•	\$ 0.7710 \$,	\$ 1.7493	. ,	\$ 10,82
Total	46,264 \$	3.19	147,775	48,714	\$ 0.77 \$	37,559	48,714	\$ 1.75	\$ 85,216	\$ 122,7
Add Extra Host Here (I)		Network		Lin	e Connection	l .	Transfo	rmation Cor	nection	Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	- \$ - \$	- \$	-		\$ - \$ \$ - \$	-	-	\$ -	\$ - \$ -	\$ -
February March	- \$ - \$	- 1 - 9	- -	-	\$ - \$	-	-	\$ - \$ -	\$ -	\$ -
April	- \$	- \$	-	-	\$ - \$	-	-	\$ -	\$ -	\$ -
May June	- \$ - \$	- \$ - \$	- -	-	\$ - \$ \$ - \$	- -	-	\$ - \$ -	\$ - \$ -	\$ - \$ -
July	- \$	- \$	-	-	\$ - \$	-	-	\$ -	\$ -	\$ -
August September	- \$ - \$	- \$	-	-	\$ - \$ \$ - \$	-	-	\$ - \$ -	\$ - \$ -	\$ - \$ -
October	- \$	- \$	-		\$ - \$	-	-	\$ -	\$ -	\$ -
November December	- \$ - \$	- \$	-		\$ - \$ \$ - \$	-	-	\$ - \$ -	\$ - \$ -	\$ - \$ -
Total	- \$	- 4	,		\$ - \$			\$ -	\$ -	\$ -
Add Extra Host Here (II)	•	Network			e Connection		Transfo	mation Cor		Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	- \$	- \$	-	-	\$ - \$	_	-	\$ -	\$ -	\$ -
February	- \$	- \$	-	-	\$ - \$	-	-	\$ -	\$ -	\$ -
March April	- \$ - \$	- 3 - 9	- -	-	\$ - \$ \$ - \$	- -	-	\$ - \$ -	\$ - \$ -	\$ -
May	- \$	- \$	-	-	\$ - \$	-	-	\$ -	\$ -	\$ -
June July	- \$ - \$	- 9	- -	-	\$ - \$ \$ - \$	-	-	\$ - \$ -	\$ - \$ -	\$ - \$ -
August	- \$	- \$	-	-	\$ - \$	-	-	\$ -	\$ -	\$ -
September October	- \$	- \$	-	-	\$ - \$	-	-	\$ -	\$ -	\$ -
November	- \$ - \$	- \$	-	-	\$ - \$	-	-	\$ -	\$ -	\$ -
December	- \$	- \$	-	-	\$ - \$	-	-	\$ -	\$ -	\$ -
Total	- \$	- \$	-	-	\$ - \$	-	-	\$ -	\$ -	\$ -
Total		Network		Lin	e Connection		Transfo	mation Cor	nection	Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January February	247,431 \$	3.6036			\$ 0.9470 \$ \$ 0.9473 \$			\$ 2.3293 \$ 2.3302		\$ 783,08 \$ 786.3
February March	242,699 \$ 235,845 \$	3.6038 \$ 3.6040 \$			\$ 0.9473 \$ \$ 0.9473 \$	•	'	\$ 2.3302 \$ 2.3304		\$ 786,34 \$ 763,62
April	217,838 \$	3.6044 \$	785,168	230,520	\$ 0.9475 \$	218,411	210,375	\$ 2.3309	\$ 490,353	\$ 708,70
May June	226,665 \$ 260,596 \$	3.6042 \$ 3.6024 \$		238,102 265,168	\$ 0.9476 \$ \$ 0.9468 \$	•		\$ 2.3315 \$ 2.3285		\$ 735,52 \$ 816,93
July	241,149 \$	3.6020 \$	868,610	259,491	\$ 0.9468 \$	245,682	237,042	\$ 2.3284	\$ 551,924	\$ 797,60
August September	249,974 \$ 271,246 \$	3.6028 \$ 3.6025 \$		256,672 288,310	\$ 0.9470 \$ \$ 0.9467 \$	•	'	\$ 2.3291 \$ 2.3281	\$ 546,072 \$ 616,144	\$ 789,13 \$ 889,08
September October	224,880 \$	3.6025 \$ 3.6043 \$		236,662	\$ 0.9475 \$			\$ 2.3281		\$ 889,00 \$ 729,55
November	241,487 \$	3.6040 \$	870,319	256,547	\$ 0.9473 \$	243,026	236,736	\$ 2.3303	\$ 551,674	\$ 794,70
December	246,777 \$	3.6030 \$	889,128	248,363	\$ 0.9469 \$	235,177	227,374	\$ 2.3288	\$ 529,520	\$ 764,69
Total	2,906,588 \$	3.60 \$	10,473,545	3,037,375	\$ 0.95 \$	2,876,787	2,782,510	\$ 2.33	\$ 6,482,298	\$ 9,359,08
							Low Voltage Switc	hgear Cred	it (if applicable)	\$ -
						Total including	deduction for Low	Voltage Sw	vitchgear Credit	\$ 9,359,08



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

IESO	Network		Line Connection	n	Transformation Con	Total Connection	
Month	Units Billed Rate	Amount	Units Billed Rate	Amount	Units Billed Rate	Amount	Amount
January February March April May June July August September October November December	243,629 \$ 3.610 239,061 \$ 3.610 232,466 \$ 3.610 214,886 \$ 3.610 223,504 \$ 3.610 255,861 \$ 3.610 236,485 \$ 3.610 245,642 \$ 3.610 266,375 \$ 3.610 221,815 \$ 3.610 238,004 \$ 3.610 242,596 \$ 3.610	0 \$ 863,010 0 \$ 839,202 0 \$ 775,738 0 \$ 806,849 0 \$ 923,658 0 \$ 853,711 0 \$ 886,768 0 \$ 961,614 0 \$ 800,752 0 \$ 859,194	250,324 \$ 0.9500 \$ 251,854 \$ 0.9500 \$ 243,584 \$ 0.9500 \$ 227,263 \$ 0.9500 \$ 234,937 \$ 0.9500 \$ 252,340 \$ 0.9500 \$ 252,340 \$ 0.9500 \$ 282,996 \$ 0.9500 \$ 233,358 \$ 0.9500 \$ 2244,070 \$ 0.9500 \$ 244,070 \$ 0.9500 \$ 2244,070 \$ 0.9500 \$ 225000 \$ 2244,070 \$ 0.9500 \$ 225000 \$ 2244,070 \$ 0.9500 \$ 225000 \$ 2244,070 \$ 0.9500 \$ 225000 \$ 225000 \$ 2244,070 \$ 0.9500 \$ 2250000 \$ 225000 \$ 225000 \$ 225000 \$ 225000 \$ 225000 \$ 225000 \$ 2250000 \$ 225000 \$ 225000 \$ 225000 \$ 2250000 \$ 225000 \$ 2250000 \$ 2250	239,261 231,405 215,900 223,190 247,411 242,086 239,723 268,846 221,690 240,041	228,501 \$ 2.3400 229,627 \$ 2.3400 223,449 \$ 2.3400 207,118 \$ 2.3400 215,537 \$ 2.3400 238,301 \$ 2.3400 232,378 \$ 2.3400 230,126 \$ 2.3400 259,337 \$ 2.3400 213,477 \$ 2.3400 232,864 \$ 2.3400 223,081 \$ 2.3400	\$ 537,327 \$ 522,871 \$ 484,656 \$ 504,357 \$ 557,624 \$ 543,765 \$ 538,495 \$ 606,849 \$ 499,536 \$ 544,902	\$ 772,500 \$ 776,588 \$ 754,275 \$ 700,556 \$ 727,547 \$ 805,036 \$ 785,850 \$ 778,218 \$ 875,695 \$ 721,226 \$ 784,943 \$ 753,876
Total	2,860,324 \$ 3.6	1 \$ 10,325,770	2,988,661 \$ 0.95 \$	2,839,228	2,733,796 \$ 2.34	\$ 6,397,083	\$ 9,236,311
Hydro One	Network		Line Connection	n	Transformation Con	nection	Total Connection
Month	Units Billed Rate	Amount	Units Billed Rate	Amount	Units Billed Rate	Amount	Amount
January February March April May June July August September October November December	3,802 \$ 3.194 3,638 \$ 3.194 2,952 \$ 3.194 2,952 \$ 3.194 4,735 \$ 3.194 4,664 \$ 3.194 4,332 \$ 3.194 4,871 \$ 3.194 3,065 \$ 3.194 3,483 \$ 3.194 4,181 \$ 3.194	2 \$ 11,620 2 \$ 10,793 2 \$ 9,430 2 \$ 10,096 2 \$ 15,126 2 \$ 14,899 2 \$ 13,836 2 \$ 15,559 2 \$ 9,791 2 \$ 11,124	4,198 \$ 0.7710 \$ 3,872 \$ 0.7710 \$ 3,708 \$ 0.7710 \$ 3,257 \$ 0.7710 \$ 3,165 \$ 0.7710 \$ 4,735 \$ 0.7710 \$ 4,664 \$ 0.7710 \$ 4,332 \$ 0.7710 \$ 5,314 \$ 0.7710 \$ 3,304 \$ 0.7710 \$ 3,872 \$ 0.7710 \$ 4,293 \$ 0.7710 \$ 3,872	2,985 2,859 2,511 2,440 3,651 3,596 3,340 4,097 2,547 2,985 3,310	4,198 \$ 1.7493 3,872 \$ 1.7493 3,708 \$ 1.7493 3,257 \$ 1.7493 3,165 \$ 1.7493 4,735 \$ 1.7493 4,664 \$ 1.7493 4,332 \$ 1.7493 5,314 \$ 1.7493 3,304 \$ 1.7493 3,872 \$ 1.7493 4,293 \$ 1.7493	\$ 6,773 \$ 6,487 \$ 5,697 \$ 5,537 \$ 8,284 \$ 8,159 \$ 7,577 \$ 9,296 \$ 5,779 \$ 6,772 \$ 7,511	\$ 10,580 \$ 9,758 \$ 9,346 \$ 8,208 \$ 7,978 \$ 11,935 \$ 11,756 \$ 10,917 \$ 13,393 \$ 8,327 \$ 9,757 \$ 10,821
Add Extra Host Here (I)	Network		Line Connection	n	Transformation Con	nection	Total Connection
Month	Units Billed Rate	Amount	Units Billed Rate	Amount	Units Billed Rate	Amount	Amount
January February March April May June July August September October November December	-		- \$		-		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Add Extra Host Here (II)	Network		Line Connection		Transformation Con		Total Connection
Month	Units Billed Rate	Amount	Units Billed Rate	Amount	Units Billed Rate	Amount	Amount
January February March April May June July August September October November December			- \$		- \$		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Total	- \$ -	\$ -	- \$ - 9	-	- \$ -	\$ -	\$ -
Total	Network		Line Connection	_	Transformation Con		Total Connection
Month	Units Billed Rate	Amount	Units Billed Rate	Amount	Units Billed Rate	Amount \$ 542,026	Amount
January February March April May June July August September October November December	242,699 \$ 3.6 235,845 \$ 3.6 217,838 \$ 3.6 226,665 \$ 3.6 260,596 \$ 3.6 241,149 \$ 3.6 249,974 \$ 3.6 271,246 \$ 3.6 224,880 \$ 3.6 241,487 \$ 3.6 246,777 \$ 3.6	0 \$ 849,995 0 \$ 785,168 0 \$ 816,946 0 \$ 938,784 0 \$ 868,610 0 \$ 900,604 0 \$ 977,173 0 \$ 810,543	254,522 \$ 0.95 \$ 255,726 \$ 0.95 \$ 247,292 \$ 0.95 \$ 230,520 \$ 0.95 \$ 238,102 \$ 0.95 \$ 256,168 \$ 0.95 \$ 256,672 \$ 0.95 \$ 288,310 \$ 0.95 \$ 236,662 \$ 0.95 \$ 256,547 \$ 0.95 \$ 248,363 \$ 0.95 \$ 33,037,375 \$ 0.95 \$ 3	242,246 234,264 218,411 225,631 5 251,062 6 245,682 243,063 272,943 224,237 243,026 235,177	232,699 \$ 2.33 233,499 \$ 2.33 227,157 \$ 2.33 210,375 \$ 2.33 218,702 \$ 2.33 243,036 \$ 2.33 237,042 \$ 2.33 234,458 \$ 2.33 264,651 \$ 2.33 216,781 \$ 2.33 236,736 \$ 2.33 227,374 \$ 2.33 2,782,510 \$ 2.33 2,782,510 \$ 2.33	\$ 544,100 \$ 529,357 \$ 490,353 \$ 509,894 \$ 565,908 \$ 551,924 \$ 546,072 \$ 616,144 \$ 505,316 \$ 551,674 \$ 529,520 \$ 6,482,298	\$ 783,080 \$ 786,346 \$ 763,621 \$ 708,764 \$ 735,524 \$ 816,970 \$ 797,606 \$ 789,135 \$ 889,088 \$ 729,553 \$ 794,700 \$ 764,697 \$ 9,359,085
				Total includin	g deduction for Low Voltage Sv	vitchgear Credit	\$ 9,359,085



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

Rate Class	Rate Description	Unit	Current RTSR- Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification General Service 50 To 999 kW Service Classification General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kWh \$/kWh \$/kW \$/kW \$/kW	0.0068 0.0062 2.6095 2.7067 2.7067	351,345,811 139,799,762	0 0 926,943 164,027 1,111,659	2,389,152 866,759 2,418,859 443,972 3,008,927	22.7% 8.2% 23.0% 4.2% 28.6%	2,380,577 863,648 2,410,178 442,379 2,998,129	0.0068 0.0062 2.6001 2.6970 2.6970
Large Use Service Classification Unmetered Scattered Load Service Classification Sentinel Lighting Service Classification Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Network Service Rate	\$/kW \$/kWh \$/kW \$/kW	3.2687 0.0062 1.9979 2.4040	1,973,142	398,563 0 51 28,486	1,302,783 12,233 102 68,480	12.4% 0.1% 0.0% 0.7%	1,298,108 12,190 102 68,235	3.2570 0.0062 1.9907 2.3954
The purpose of this table is to re-align the current R1	S Connection Rates to recover current wholesale connection costs.							Command	A alia.ta al
Rate Class	Rate Description	Unit	Current RTSR- Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR- Connection
Residential Service Classification General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh \$/kWh	0.0059	351,345,811	0	2,072,940	23.3% 8.2%	2,176,722	0.0062
General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kvvn \$/kW	0.0052 2.1983	139,799,762	926,943	726,959 2,037,700	8.2% 22.9%	763,354 2,139,717	0.0055 2.3084
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.2808		164,027	374,113	4.2%	392,843	2.3950
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.2808		1,111,659	2,535,472	28.4%	2,662,410	2.3950
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.7540		398,563	1,097,643	12.3%	1,152,596	2.8919
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0052	1,973,142	0	10,260	0.1%	10,774	0.0055
Sentinel Lighting Service Classification Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW \$/kW	1.6831 2.0253		51 28,486	86 57,693	0.0% 0.6%	90 60,581	1.7674 2.1267
	RTS Network Rates to recover future wholesale network costs.	Ψ/ΚΨΨ	2.0255		20,400	37,093	0.076	00,501	2.1207
Rate Class	Rate Description	Unit	Adjusted RTSR-Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Proposed RTSR- Network
Rate Class Residential Service Classification	Rate Description Retail Transmission Rate - Network Service Rate	Unit \$/kWh	•	•	Billed kW	_		Wholesale	RTSR-
Residential Service Classification General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Network Service Rate	\$/kWh \$/kWh	0.0068 0.0062	Billed kWh	0 0	Amount 2,380,577 863,648	Amount % 22.7% 8.2%	Wholesale Billing 2,380,577 863,648	RTSR- Network 0.0068 0.0062
Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Network Service Rate	\$/kWh \$/kWh \$/kW	0.0068 0.0062 2.6001	Billed kWh 351,345,811	0 0 926,943	2,380,577 863,648 2,410,178	22.7% 8.2% 23.0%	Wholesale Billing 2,380,577 863,648 2,410,178	RTSR- Network 0.0068 0.0062 2.6001
Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kWh \$/kWh \$/kW \$/kW	0.0068 0.0062 2.6001 2.6970	Billed kWh 351,345,811	0 0 926,943 164,027	2,380,577 863,648 2,410,178 442,379	22.7% 8.2% 23.0% 4.2%	Wholesale Billing 2,380,577 863,648 2,410,178 442,379	RTSR- Network 0.0068 0.0062 2.6001 2.6970
Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification General Service 50 To 999 kW Service Classification General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kWh \$/kWh \$/kW \$/kW \$/kW	0.0068 0.0062 2.6001 2.6970 2.6970	Billed kWh 351,345,811	0 0 926,943 164,027 1,111,659	2,380,577 863,648 2,410,178 442,379 2,998,129	22.7% 8.2% 23.0% 4.2% 28.6%	Wholesale Billing 2,380,577 863,648 2,410,178 442,379 2,998,129	RTSR- Network 0.0068 0.0062 2.6001 2.6970 2.6970
Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kWh \$/kWh \$/kW \$/kW \$/kW	0.0068 0.0062 2.6001 2.6970 2.6970 3.2570	Billed kWh 351,345,811 139,799,762	0 0 926,943 164,027	2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108	22.7% 8.2% 23.0% 4.2% 28.6% 12.4%	Wholesale Billing 2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108	RTSR- Network 0.0068 0.0062 2.6001 2.6970 2.6970 3.2570
Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification General Service 50 To 999 kW Service Classification General Service 1,000 To 4,999 kW Service Classification Large Use Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kWh \$/kWh \$/kW \$/kW \$/kW	0.0068 0.0062 2.6001 2.6970 2.6970	Billed kWh 351,345,811	0 0 926,943 164,027 1,111,659 398,563	2,380,577 863,648 2,410,178 442,379 2,998,129	22.7% 8.2% 23.0% 4.2% 28.6%	Wholesale Billing 2,380,577 863,648 2,410,178 442,379 2,998,129	RTSR- Network 0.0068 0.0062 2.6001 2.6970 2.6970
Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification General Service 50 To 999 kW Service Classification General Service 1,000 To 4,999 kW Service Classification Large Use Service Classification Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate	\$/kWh \$/kWh \$/kW \$/kW \$/kW \$/kW	0.0068 0.0062 2.6001 2.6970 2.6970 3.2570 0.0062	Billed kWh 351,345,811 139,799,762	0 0 926,943 164,027 1,111,659 398,563 0	2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108 12,190	22.7% 8.2% 23.0% 4.2% 28.6% 12.4% 0.1%	Wholesale Billing 2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108 12,190	0.0068 0.0062 2.6001 2.6970 2.6970 3.2570 0.0062
Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification General Service 50 To 999 kW Service Classification General Service 1,000 To 4,999 kW Service Classification Large Use Service Classification Unmetered Scattered Load Service Classification Sentinel Lighting Service Classification Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Network Service Rate	\$/kWh \$/kWh \$/kW \$/kW \$/kW \$/kWh \$/kWh	0.0068 0.0062 2.6001 2.6970 2.6970 3.2570 0.0062 1.9907 2.3954	Billed kWh 351,345,811 139,799,762	0 0 926,943 164,027 1,111,659 398,563 0 51	2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108 12,190 102	22.7% 8.2% 23.0% 4.2% 28.6% 12.4% 0.1% 0.0%	Wholesale Billing 2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108 12,190 102 68,235	0.0068 0.0062 2.6001 2.6970 2.6970 3.2570 0.0062 1.9906 2.3954
Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification General Service 50 To 999 kW Service Classification General Service 1,000 To 4,999 kW Service Classification Large Use Service Classification Unmetered Scattered Load Service Classification Sentinel Lighting Service Classification Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Network Service Rate	\$/kWh \$/kWh \$/kW \$/kW \$/kW \$/kWh \$/kWh	0.0068 0.0062 2.6001 2.6970 2.6970 3.2570 0.0062 1.9907	Billed kWh 351,345,811 139,799,762	0 0 926,943 164,027 1,111,659 398,563 0 51	2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108 12,190 102	22.7% 8.2% 23.0% 4.2% 28.6% 12.4% 0.1% 0.0%	Wholesale Billing 2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108 12,190 102	0.0068 0.0062 2.6001 2.6970 2.6970 3.2570 0.0062 1.9906
Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification General Service 50 To 999 kW Service Classification General Service 1,000 To 4,999 kW Service Classification Large Use Service Classification Unmetered Scattered Load Service Classification Sentinel Lighting Service Classification Street Lighting Service Classification The purpose of this table is to update the re-aligned	Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate	\$/kWh \$/kWh \$/kW \$/kW \$/kWh \$/kWh \$/kW Unit	0.0068 0.0062 2.6001 2.6970 2.6970 3.2570 0.0062 1.9907 2.3954 Adjusted RTSR- Connection 0.0062 0.0055	Billed kWh 351,345,811 139,799,762 1,973,142 Loss Adjusted	0 0 926,943 164,027 1,111,659 398,563 0 51 28,486 Billed kW	2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108 12,190 102 68,235 Billed Amount	22.7% 8.2% 23.0% 4.2% 28.6% 12.4% 0.1% 0.0% 0.7% Billed Amount % 23.3% 8.2%	Wholesale Billing 2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108 12,190 102 68,235 Current Wholesale Billing 2,176,722 763,354	RTSR- Network 0.0068 0.0062 2.6001 2.6970 2.6970 3.2570 0.0062 1.9906 2.3954 Proposed RTSR- Connection 0.0062 0.0055
Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification General Service 50 To 999 kW Service Classification General Service 1,000 To 4,999 kW Service Classification Large Use Service Classification Unmetered Scattered Load Service Classification Sentinel Lighting Service Classification Street Lighting Service Classification The purpose of this table is to update the re-aligned Rate Class Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification General Service 50 To 999 kW Service Classification General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate RTS Connection Rates to recover future wholesale connection costs. Rate Description Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kWh \$/kWh \$/kW \$/kW \$/kWh \$/kWh \$/kW \$/kWh \$/kWh \$/kWh \$/kWh	0.0068 0.0062 2.6001 2.6970 2.6970 3.2570 0.0062 1.9907 2.3954 Adjusted RTSR- Connection 0.0062 0.0055 2.3084 2.3950 2.3950	Billed kWh 351,345,811 139,799,762 1,973,142 Loss Adjusted Billed kWh 351,345,811	0 0 926,943 164,027 1,111,659 398,563 0 51 28,486 Billed kW	2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108 12,190 102 68,235 Billed Amount 2,176,722 763,354 2,139,717 392,843 2,662,410	22.7% 8.2% 23.0% 4.2% 28.6% 12.4% 0.1% 0.0% 0.7% Billed Amount % 23.3% 8.2% 22.9% 4.2% 28.4%	Wholesale Billing 2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108 12,190 102 68,235 Current Wholesale Billing 2,176,722 763,354 2,139,717 392,843 2,662,410	RTSR- Network 0.0068 0.0062 2.6001 2.6970 3.2570 0.0062 1.9906 2.3954 Proposed RTSR- Connection 0.0062 0.0055 2.3084 2.3950 2.3950
Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification General Service 50 To 999 kW Service Classification General Service 1,000 To 4,999 kW Service Classification Large Use Service Classification Unmetered Scattered Load Service Classification Sentinel Lighting Service Classification Street Lighting Service Classification The purpose of this table is to update the re-aligned Rate Class Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification General Service 50 To 999 kW Service Classification General Service 1,000 To 4,999 kW Service Classification Large Use Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh \$/kWh \$/kW \$/kW \$/kW \$/kWh \$/kW \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh \$/kW	0.0068 0.0062 2.6001 2.6970 2.6970 3.2570 0.0062 1.9907 2.3954 Adjusted RTSR- Connection 0.0062 0.0055 2.3084 2.3950 2.3950 2.8919	Billed kWh 351,345,811 139,799,762 1,973,142 Loss Adjusted Billed kWh 351,345,811 139,799,762	0 0 926,943 164,027 1,111,659 398,563 0 51 28,486 Billed kW	2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108 12,190 102 68,235 Billed Amount 2,176,722 763,354 2,139,717 392,843 2,662,410 1,152,596	22.7% 8.2% 23.0% 4.2% 28.6% 12.4% 0.1% 0.0% 0.7% Billed Amount % 23.3% 8.2% 22.9% 4.2% 28.4% 12.3%	Wholesale Billing 2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108 12,190 102 68,235 Current Wholesale Billing 2,176,722 763,354 2,139,717 392,843 2,662,410 1,152,596	RTSR- Network 0.0068 0.0062 2.6001 2.6970 2.6970 3.2570 0.0062 1.9906 2.3954 Proposed RTSR- Connection 0.0062 0.0055 2.3084 2.3950
Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification General Service 50 To 999 kW Service Classification General Service 1,000 To 4,999 kW Service Classification Large Use Service Classification Unmetered Scattered Load Service Classification Sentinel Lighting Service Classification Street Lighting Service Classification The purpose of this table is to update the re-aligned Rate Class Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification General Service 50 To 999 kW Service Classification General Service 1,000 To 4,999 kW Service Classification Large Use Service Classification Unmetered Scattered Load Service Classification Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh \$/kWh \$/kW \$/kW \$/kWh \$/kWh \$/kW \$/kWh \$/kWh \$/kWh \$/kWh	0.0068 0.0062 2.6001 2.6970 2.6970 3.2570 0.0062 1.9907 2.3954 Adjusted RTSR- Connection 0.0062 0.0055 2.3084 2.3950 2.3950	Billed kWh 351,345,811 139,799,762 1,973,142 Loss Adjusted Billed kWh 351,345,811	0 0 926,943 164,027 1,111,659 398,563 0 51 28,486 Billed kW	2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108 12,190 102 68,235 Billed Amount 2,176,722 763,354 2,139,717 392,843 2,662,410	22.7% 8.2% 23.0% 4.2% 28.6% 12.4% 0.1% 0.0% 0.7% Billed Amount % 23.3% 8.2% 22.9% 4.2% 28.4%	Wholesale Billing 2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108 12,190 102 68,235 Current Wholesale Billing 2,176,722 763,354 2,139,717 392,843 2,662,410	RTSR-Network 0.0068 0.0062 2.6001 2.6970 2.6970 3.2570 0.0062 1.9906 2.3954 Proposed RTSR-Connection 0.0062 0.0055 2.3084 2.3950 2.3950 2.8919 0.0055 1.7675
Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification General Service 50 To 999 kW Service Classification General Service 1,000 To 4,999 kW Service Classification Large Use Service Classification Unmetered Scattered Load Service Classification Sentinel Lighting Service Classification Street Lighting Service Classification The purpose of this table is to update the re-aligned Rate Class Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 999 kW Service Classification General Service 50 To 999 kW Service Classification General Service 1,000 To 4,999 kW Service Classification Large Use Service Classification Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate - Interval Metered Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kWh \$/kW \$/kW \$/kW \$/kW \$/kWh \$/kW \$/kWh \$/kWh \$/kWh \$/kW \$/kW \$/kW	0.0068 0.0062 2.6001 2.6970 2.6970 3.2570 0.0062 1.9907 2.3954 Adjusted RTSR- Connection 0.0062 0.0055 2.3084 2.3950 2.3950 2.8919 0.0055	Billed kWh 351,345,811 139,799,762 1,973,142 Loss Adjusted Billed kWh 351,345,811 139,799,762	0 0 926,943 164,027 1,111,659 398,563 0 51 28,486 Billed kW 0 0 926,943 164,027 1,111,659 398,563 0	2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108 12,190 102 68,235 Billed Amount 2,176,722 763,354 2,139,717 392,843 2,662,410 1,152,596 10,774	22.7% 8.2% 23.0% 4.2% 28.6% 12.4% 0.1% 0.0% 0.7% Billed Amount % 23.3% 8.2% 22.9% 4.2% 28.4% 12.3% 0.1%	Wholesale Billing 2,380,577 863,648 2,410,178 442,379 2,998,129 1,298,108 12,190 102 68,235 Current Wholesale Billing 2,176,722 763,354 2,139,717 392,843 2,662,410 1,152,596 10,774	RTSR- Network 0.0068 0.0062 2.6001 2.6970 2.6970 3.2570 0.0062 1.9906 2.3954 Proposed RTSR- Connection 0.0062 0.0055 2.3084 2.3950 2.3950 2.8919 0.0055



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

0.00%

Productivity

Factor

17,407,273

Price Escalator 1.20%

of Residential Customers

(approved in the last CoS)

Effective Year of

Residential Rate

Design Transition

(yyyy)

2016

17,405,838

50,242

Choose Stretch Factor Group	III	Price Cap Index	0.90%	Billed kWh for Residential Class (approved in the last CoS)	386,643,528	OEB-approved # of Transition Years	4	
Associated Stretch Factor Value	0.30%			Rate Design Transition Years Left	1			
Rate Class	Current MFC	MFC Adjustment from R/C Model		DVR Adjustment from R/C Model	Price Cap Index to be Applied to MFC and DVR	Proposed MFC	Proposed Volumetric Charge	
RESIDENTIAL SERVICE CLASSIFICATION	25.73		0.0049		0.90%	29.13	0.0000	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	16.74		0.014		0.90%	16.89	0.0141	
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	181.48		2.765		0.90%	183.11	2.7899	
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	574.08		3.0695		0.90%	579.25	3.0971	
LARGE USE SERVICE CLASSIFICATION	1103.59		2.7577		0.90%	1,113.52	2.7825	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	4.9		0.0223		0.90%	4.94	0.0225	
STANDBY POWER SERVICE CLASSIFICATION	0				0.90%	0.00	0.0000	
SENTINEL LIGHTING SERVICE CLASSIFICATION	7.58		8.3886		0.90%	7.65	8.4641	
STREET LIGHTING SERVICE CLASSIFICATION	0.43		10.2846		0.90%	0.43	10.3772	
microFIT SERVICE CLASSIFICATION	5.4					5.4		
Rate Design Transition		Revenue from Rates	Current F/V Split	Decoupling MFC Split	Incremental Fixed Charge (\$/month/year)	New F/V Split	Adjusted Rates ¹	Revenue at New F/V Split
Current Residential Fixed Rate (inclusive of R/C adj.)	25.7300	15,512,720	89.1%	10.9%	3.14	100.0%	28.87	17,405,838
Current Residential Variable Rate (inclusive of R/C adj.)	0.0049	1,894,553	10.9%			0.0%	0.0000	0

¹ These are the residential rates to which the Price Cap Index will be applied to. Wheeling Service Rate will be adjusted for PCI on Sheet 19.



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

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

Time-of-Use RPP Prices

As of		May 1, 2018	
Off-Peak	\$/kWh	0.0650	
Mid-Peak	\$/kWh	0.0940	
On-Peak	\$/kWh	0.1320	

Debt Retirement Charge (DRC)

Smart Meter Entity Charge (SME)

Smart Meter Entity Charge (SME)	\$ 0.57



In the Green Cells below, enter any proposed rate riders that are not already included in this model (e.g.: proposed ICM rate riders). Please note that existing SMIRR and SM Entity Charge do not need to be included below.

In column A, the rate rider descriptions must begin with "Rate Rider for".

In column B, choose the associated unit from the drop-down menu.

In column C, enter the rate. All rate riders with a "\$" unit should be rounded to 2 decimal places and all others rounded to 4 decimal places.

In column C, enter the rate. All rate riders with a "\$" unit should be rounded to 2 decimal places and all others rounded to 4 decimal places.

In column E, enter the expiry date (e.g. April 30, 2020) or description of the expiry date in text (e.g. the effective date of the next cost of service-based rate order).

In column G, choose the sub-total as applicable in the bill impact calculation from the drop-down menu.

ESIDENTIAL SERVICE CLASSIFICATION	
LUIDLINI IAL JENVICE CLAJJIFICA I IUN	- effective until
	- effective until - effective until
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ENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	
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ENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	
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ENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	- effective until
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ARGE USE SERVICE CLASSIFICATION	- effective until
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NMETERER COATTERER I CAR CERVICE OF ACCIEIOATION	
NMETERED SCATTERED LOAD SERVICE CLASSIFICATION	- effective until
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ENTINEL LICUTING SERVICE OF ASSISTATION	- effective until - effective until - effective until
ENTINEL LIGHTING SERVICE CLASSIFICATION	- effective until - effective until - effective until - effective until
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TREET LIGHTING SERVICE CLASSIFICATION	- effective until - effective until

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

RESIDENTIAL SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge	\$	29.13
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(0.18)
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0039
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) -		
effective until December 31, 2019	\$/kWh	0.0005
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kWh	0.0018
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Datail Transmission Data Line and Transfermation Connection Conjugate Data	0 /1.10/1-	0.0000
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0062
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge	\$	16.89
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	0.0141
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0039
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) -		
effective until December 31, 2019	\$/kWh	0.0006
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kWh	0.0015
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0062
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0055
MONTHLY PATES AND CHARGES Populatory Component		
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge	\$	183.11
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(3.80)
Distribution Volumetric Rate	\$/kW	2.7899
Low Voltage Service Rate	\$/kW	0.0121
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019 Applicable only for Non-RPP Customers	\$/kWh	0.0039
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) -		
effective until December 31, 2019	\$/kW	0.1029
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019		
Applicable only for Non-Wholesale Market Participants	\$/kW	(0.4189)
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kW	0.9509
Retail Transmission Rate - Network Service Rate	\$/kW	2.6001
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.6970
Notali Harofilosofi Nate Hotwork Golffice Nate Interval Motorca	ψ/ΚΨΨ	2.0010
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3084
	4	
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.3950
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

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

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

APPLICATION

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

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

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

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

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

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

Service Charge	\$	579.25
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(46.33)
Distribution Volumetric Rate	\$/kW	3.0971
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0039
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) -		
effective until December 31, 2019	\$/kW	0.1084
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kW	0.5512
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.6970
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.3950

EB-2018-0036

Guelph Hydro Electric Systems Inc.TARIFF OF RATES AND CHARGES

Effective and Implementation Date January 1, 2019

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

MONTHLY RATES AND CHARGES - Regulatory Component

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

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

LARGE USE SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$ \$	1,113.52 (151.18)
Distribution Volumetric Rate	\$/kW	2.7825
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until December 31, 2019	\$/kW	0.8322
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kW	0.6429
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.2570
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.8919
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge (per connection)	\$	4.94
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(0.05)
Distribution Volumetric Rate	\$/kWh	0.0225
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0039
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kWh	0.0018
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0062
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0055
MONTHLY RATES AND CHARGES - Regulatory Component		
MONTHLI NATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

STANDBY POWER SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - APPROVED ON AN INTERIM BASIS

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

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

SENTINEL LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge (per connection)	\$	7.65
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(0.11)
Distribution Volumetric Rate	\$/kW	8.4641
Low Voltage Service Rate	\$/kW	0.0089
Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019		
Applicable only for Non-RPP Customers	\$/kWh	0.0045
Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kW	2.7325
Retail Transmission Rate - Network Service Rate	\$/kW	1.9906
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.7675
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	¢/\/\/\	0.0022
, ,	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

STREET LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

Service Charge (per connection) Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025 Distribution Volumetric Rate	\$ \$	0.43 (0.01)
Low Voltage Service Rate Rate Rider for Disposition of Global Adjustment Account (2019) - effective until December 31, 2019	\$/kW \$/kW	10.3772 0.0107
Applicable only for Non-RPP Customers Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) -	\$/kWh	0.0039
effective until December 31, 2019 Rate Rider for Disposition of Deferral/Variance Accounts (2019) - effective until December 31, 2019	\$/kW	(0.7280)
Retail Transmission Rate - Network Service Rate	\$/kW	0.4420
	\$/kW	2.3954
Retail Transmission Rate - Line and Transformation Connection Service Rate MONTHLY RATES AND CHARGES - Regulatory Component	\$/kW	2.1267
	Φ/L3A/L	0.0020
Wholesale Market Service Rate (WMS) - not including CBR Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh \$/kWh	0.0032 0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge \$ 5.40

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

ALLOWANCES

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

SPECIFIC SERVICE CHARGES

APPLICATION

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

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

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Customer Administration

Arrears certificate	\$	15.00
Returned cheque (plus bank charges)	\$	8.55
Account setup charge/change of occupancy charge (plus credit agency costs if applicable)	\$	8.75
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	10.00
Credit service charge for paperless bill	\$	(10.00)
Non-Payment of Account		
Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	9.00
Disconnect/reconnect at meter - during regular hours	\$	20.00
Disconnect/reconnect at meter - after regular hours	\$	50.00
Disconnect/reconnect at pole - during regular hours	\$	50.00
Disconnect/reconnect at pole - after regular hours	\$	95.00
Other		
Service call - customer owned equipment	\$	17.50
Service call - after regular hours	\$	95.00
Specific charge for access to the power poles - \$/pole/year		
(with the exception of wireless attachments)	\$	22.35
Overhead bond connection - per connection	\$	105.00
Underground bond connection - per connection	\$	100.00

Effective and Implementation Date January 1, 2019

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

EB-2018-0036

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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

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

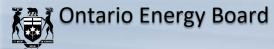
Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity

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

LOSS FACTORS

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

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Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0260
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0137
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0157
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0036



Incentive Regulation Model for 2019 Filers

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

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

Note:

- 1. For those classes that are not eligible for the RPP price, the weighted average price including Class B GA through end of May 2017 of \$0.1101/kWh (IESO's Monthly Market Report for May 2017, page 22) has been used to represent the cost of power. For those classes on a retailer contract, applicants should enter the contract price (plus GA) for a more accurate estimate. Changes to the cost of power can be made directly on the bill impact table for the specific class.
- 2. Please enter the applicable billing determinant (e.g. number of connections or devices) to be applied to the monthly service charge for unmetered rate classes in column N. If the monthly service charge is applied on a per customer basis, enter the number "1". Distributors should provide the number of connections or devices reflective of a typical customer in each class.

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

Table 1

RATE CLASSES / CATEGORIES (eg: Residential TOU, Residential Retailer)	Units	RPP? Non-RPP Retailer? Non-RPP Other?	Current Loss Factor (eg: 1.0351)	Proposed Loss Factor	Consumption (kWh)	Demand kW (if applicable)	RTSR Demand or Demand-Interval?	Billing Determinant Applied to Fixed Charge for Unmetered Classes (e.g. # of devices/connections).
RESIDENTIAL SERVICE CLASSIFICATION	kWh	RPP	1.0260	1.026	750		N/A	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	RPP	1.0260	1.026	2,000		N/A	
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0260	1.026	189,800	500	DEMAND	
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0260	1.026	489,100	1,000	EMAND - INTERVA	\L
LARGE USE SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0036	1.0036	4,215,750	7,500	EMAND - INTERVA	\L
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	RPP	1.0260	1.026	750		N/A	15
STANDBY POWER SERVICE CLASSIFICATION	kW						DEMAND	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	RPP	1.0260	1.026	140	2	DEMAND	3
STREET LIGHTING SERVICE CLASSIFICATION	kW	Non-RPP (Other)	1.0260	1.026	800,000	2,200	DEMAND	13,494
RESIDENTIAL SERVICE CLASSIFICATION	kWh	RPP	1.0260	1.026	210		N/A	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0260	1.026	750		N/A	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0260	1.026	2,000		N/A	
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								
Add additional scenarios if required								

Table 2

DATE OF ACCES / CATECORIES					Sul	o-Total				Total	
RATE CLASSES / CATEGORIES	Units	Α				В		С		Total Bill	
(eg: Residential TOU, Residential Retailer)		\$	%		\$	%	\$	%		\$	%
RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	\$ (0.05)	-0.2%	\$	3.10	10.4%	\$ 3.33	8.4%	\$	3.50	3.2%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION - RPP	kWh	\$ 0.95	2.1%	\$	8.55	19.0%	\$ 9.17	13.4%	\$	9.62	3.8%
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	\$ 54.63	3.5%	\$	617.65	30.6%	\$ 668.00	15.1%	\$	754.84	2.5%
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	\$ 96.97	2.7%	\$	1,474.61	31.2%	\$ 1,579.11	16.3%	\$	1,784.39	2.4%
ARGE USE SERVICE CLASSIFICATION - Non-RPP (Other)	kW	\$ 2,844.93	11.3%	\$	14,906.43	82.9%	\$ 15,852.93	25.1%	\$	17,913.81	2.9%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - RPP	kWh	\$ 0.75	0.8%	\$	3.83	4.2%	\$ 4.06	4.1%	\$	4.58	2.5%
STANDBY POWER SERVICE CLASSIFICATION -	kW	\$ -	0.0%	\$	-	0.0%	\$ -	0.0%	\$	-	0.0%
SENTINEL LIGHTING SERVICE CLASSIFICATION - RPP	kW	\$ 0.36	0.9%	\$	8.03	21.4%	\$ 8.18	18.2%	\$	9.24	14.3%
STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kW	\$ 457.16	1.7%	\$	2,696.14	9.5%	\$ 2,900.30	7.6%	\$	3,277.34	2.2%
RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	\$ 2.43	9.1%	\$	3.32	12.2%	\$ 3.38	11.3%	\$	3.55	7.0%
RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$ (0.05)	-0.2%	\$	2.65	7.9%	\$ 2.88	6.6%	\$	3.26	2.2%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$ 0.95	2.1%	\$	7.35	13.2%	\$ 7.97	10.1%	\$	9.00	2.6%
				+							

Customer Class: RESIDENTIAL SERVICE CLASSIFICATION RPP / Non-RPP: RPP

750 kWh - kW Consumption Demand

1.0260 1.0260 Current Loss Factor
Proposed/Approved Loss Factor

	С	urrent OE	B-Approved	l				Proposed	l			lm	pact
	Rate		Volume	Charge			Rate	Volume		Charge			
	(\$)			(\$)			(\$)			(\$)		Change	% Change
Monthly Service Charge	\$	25.73	1	•	25.73		29.13		\$	29.13		3.40	13.21%
Distribution Volumetric Rate	\$	0.0049	750	\$	3.68		-	750		-	\$	(3.68)	-100.00%
Fixed Rate Riders	\$	(0.18)	1	\$	(0.18)		(0.18)	1	\$	(0.18)		-	0.00%
Volumetric Rate Riders	\$	0.0002	750		0.15	\$	0.0005	750		0.38	\$	0.23	150.00%
Sub-Total A (excluding pass through)					29.38	ļ.,			\$	29.33		(0.05)	-0.17%
Line Losses on Cost of Power	\$	0.0820	20	\$	1.60	\$	0.0820	20	\$	1.60	\$	-	0.00%
Total Deferral/Variance Account Rate	- s	0.0023	750	\$	(1.73)	\$	0.0018	750	\$	1.35	\$	3.08	-178.26%
Riders					` ′	'	0.0010				'		
CBR Class B Rate Riders	-\$	0.0001	750	\$	(0.08)		-	750	\$	-	\$	0.08	-100.00%
GA Rate Riders	\$	-	750	\$	-	\$	-	750	\$	-	\$	-	
Low Voltage Service Charge	\$	-	750	\$	-			750	\$	-	\$	-	
Smart Meter Entity Charge (if applicable)	\$	0.57	1	\$	0.57	\$	0.57	1	\$	0.57	\$	-	0.00%
Additional Fixed Rate Riders	•		1	\$		\$		1	\$		\$		
Additional Volumetric Rate Riders	3	-	750	\$	-	\$		750	\$ \$	_	\$	_ [
Sub-Total B - Distribution (includes Sub-			730		-	Ψ	_	730		<u> </u>			
Total A)				\$	29.74				\$	32.84	\$	3.10	10.42%
RTSR - Network	\$	0.0068	770	\$	5.23	\$	0.0068	770	\$	5.23	\$	-	0.00%
RTSR - Connection and/or Line and	\$	0.0059	770	\$	4.54	\$	0.0062	770	æ	4.77	\$	0.23	5.08%
Transformation Connection	9	0.0039	770	Ψ	4.54	φ	0.0002	770	φ	4.77	φ	0.23	5.06 /6
Sub-Total C - Delivery (including Sub-				\$	39.52				\$	42.85	\$	3.33	8.43%
Total B)									<u> </u>	.2.00	<u> </u>	0.00	0.1070
Wholesale Market Service Charge	\$	0.0036	770	\$	2.77	\$	0.0036	770	\$	2.77	\$	-	0.00%
(WMSC)						·			i .		'		
Rural and Remote Rate Protection	\$	0.0003	770	\$	0.23	\$	0.0003	770	\$	0.23	\$	-	0.00%
(RRRP) Standard Supply Service Charge	•	0.25	1	\$	0.25	\$	0.25	1	\$	0.25	œ.	_	0.00%
TOU - Off Peak	\$	0.0650	488	Ŧ	31.69	-	0.0650	488	\$ \$	31.69			0.00%
TOU - Mid Peak	₽	0.0030	128		11.99	\$	0.0030	128	\$ \$	11.99			0.00%
TOU - Mild Feak TOU - On Peak	\$	0.0940	135	*	17.82	\$	0.0940	135		17.82		-	0.00%
100 - Oll Feak] \$	0.1320	133	Ψ	17.02	φ	0.1320	135	φ	17.02	Φ		0.00 /6
Total Bill on TOU (before Taxes)				\$ 1	04.26				\$	107.59	\$	3.33	3.19%
HST		13%		•	13.55		13%		\$	13.99		0.43	3.19%
8% Rebate		8%		\$	(8.34)		8%		\$	(8.61)		(0.27)	J. 13 /0
Total Bill on TOU		0 /0			09.47		0 70		\$	112.97		3.50	3.19%
Total Bill off 100				, I	55. 7 1				Ψ	112.31	Ψ	3.30	3.1370

Customer Class: GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION RPP / Non-RPP: RPP

2,000 kWh - kW Consumption Demand 1.0260 1.0260 Current Loss Factor
Proposed/Approved Loss Factor

		Current OE	B-Approved	d				Proposed	1			lm	pact
	Rate		Volume	(Charge		Rate	Volume		Charge			
	(\$)				(\$)		(\$)			(\$)		Change	% Change
Monthly Service Charge	\$	16.74		\$	16.74	\$	16.89		\$	16.89		0.15	0.90%
Distribution Volumetric Rate	\$	0.0140	2000	\$	28.00	\$	0.0141	2000	\$	28.20		0.20	0.71%
Fixed Rate Riders	\$	(0.50)	1	\$	(0.50)	\$	(0.50)	1	\$	(0.50)		-	0.00%
Volumetric Rate Riders	\$	0.0003	2000		0.60	\$	0.0006	2000	-	1.20	\$	0.60	100.00%
Sub-Total A (excluding pass through)				\$	44.84				\$	45.79		0.95	2.12%
Line Losses on Cost of Power	\$	0.0820	52	\$	4.26	\$	0.0820	52	\$	4.26	\$	-	0.00%
Total Deferral/Variance Account Rate	-\$	0.0022	2,000	\$	(4.40)	\$	0.0015	2,000	\$	3.00	\$	7.40	-168.18%
Riders	T.		-		, ,		0.0010		ľ	0.00			
CBR Class B Rate Riders	-\$	0.0001	2,000	\$	(0.20)	\$	-	2,000		-	\$	0.20	-100.00%
GA Rate Riders	\$	-	,	\$	-	\$	-	,	\$	-	\$	-	
Low Voltage Service Charge	\$	-	2,000	\$	-			2,000	\$	-	\$	-	
Smart Meter Entity Charge (if applicable)	s	0.57	1	\$	0.57	\$	0.57	1	\$	0.57	\$	-	0.00%
	1.	0.01			0.0.	ľ	0.01		ľ	0.0.	l .		0.0070
Additional Fixed Rate Riders	\$	-	1	\$	-	\$	-	1	\$	-	\$	-	
Additional Volumetric Rate Riders			2,000	\$	-	\$	-	2,000	\$	<u> </u>	\$	-	
Sub-Total B - Distribution (includes Sub-				\$	45.07				 \$	53.62	\$	8.55	18.97%
Total A)			0.050	, ,				2.25	Ţ		i i		
RTSR - Network	\$	0.0062	2,052	\$	12.72	\$	0.0062	2,052	\$	12.72	\$	-	0.00%
RTSR - Connection and/or Line and	\$	0.0052	2,052	\$	10.67	\$	0.0055	2,052	\$	11.29	\$	0.62	5.77%
Transformation Connection			-					•					
Sub-Total C - Delivery (including Sub-				\$	68.47				\$	77.63	\$	9.17	13.39%
Total B) Wholesale Market Service Charge													
(WMSC)	\$	0.0036	2,052	\$	7.39	\$	0.0036	2,052	\$	7.39	\$	-	0.00%
Rural and Remote Rate Protection													
(RRRP)	\$	0.0003	2,052	\$	0.62	\$	0.0003	2,052	\$	0.62	\$	-	0.00%
Standard Supply Service Charge	•	0.25	1	\$	0.25	\$	0.25	1	\$	0.25	\$	_	0.00%
TOU - Off Peak	*	0.0650	1,300	\$	84.50	\$	0.0650	1,300		84.50		-	0.00%
TOU - Mid Peak	*	0.0030	340	\$ \$	31.96	\$	0.0030	340	\$	31.96		-	0.00%
TOU - Mid Feak TOU - On Peak	\$ \$	0.1320		\$	47.52	\$	0.0340	360		47.52		_	0.00%
100 CITT CAR	_ ¥	0.1320	300	Ψ	47.52	Ψ	0.1320	300	Ψ	47.52	Ψ	-	0.0078
Total Bill on TOU (before Taxes)	1			\$	240.70				6	249.86	¢	9.17	3.81%
HST		13%		\$ \$	31.29		13%		پ	32.48		1.19	3.81%
8% Rebate		8%		\$ \$	(19.26)		8%		s s	(19.99)		(0.73)	3.01 /0
Total Bill on TOU		0 /0		\$	252.73		0 /0		\$	262.36		9.62	3.81%
Total Bill Oll 100				Ψ	232.13				Ψ	202.30	Ψ	3.02	3.01 /6

Customer Class: GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION
RPP / Non-RPP: Non-RPP (Other)
Consumption 189,800 kWh 500 kW 1.0260 1.0260 Demand

Current Loss Factor Proposed/Approved Loss Factor

		Current OF	B-Approved	ı				Proposed				lm	pact
	Rate	!	Volume	Charg	е		Rate	Volume		Charge			
	(\$)			(\$)			(\$)			(\$)		Change	% Change
Monthly Service Charge	\$	181.48	1	•	181.48		183.11		\$		\$	1.63	0.90%
Distribution Volumetric Rate	\$	2.7650	500	•	,382.50		2.7899	500		1,394.95		12.45	0.90%
Fixed Rate Riders	\$	(3.80)	1	\$	` '	\$	(3.80)	1	\$	(3.80)		-	0.00%
Volumetric Rate Riders	\$	0.0218	500		10.00	\$	0.1029	500		51.45		40.55	372.02%
Sub-Total A (excluding pass through)					,571.08				\$	1,625.71		54.63	3.48%
Line Losses on Cost of Power	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	
Total Deferral/Variance Account Rate	-¢	0.8035	500	\$	(401.75)	\$	0.5320	500	\$	266.00	\$	667.75	-166.21%
Riders	-Ψ			Ψ	` ′	•	0.5520		'	200.00	Ψ		
CBR Class B Rate Riders	-\$	0.0183	500	\$	(9.15)		-	500	\$	-	\$	9.15	-100.00%
GA Rate Riders	\$	0.0045	189,800	-	854.10	-	0.0039	189,800	\$	740.22	\$	(113.88)	-13.33%
Low Voltage Service Charge	\$	0.0121	500	\$	6.05	\$	0.0121	500	\$	6.05	\$	-	0.00%
Smart Meter Entity Charge (if applicable)	•		1	\$	_	\$	_	1	\$	_	\$	_	
	Ψ	-	'	Ψ	· 1	Φ	-	'	Ψ	_	Ψ	-	
Additional Fixed Rate Riders	\$	-	1	\$	-	\$	-	1	\$	-	\$	-	
Additional Volumetric Rate Riders			500	\$	-	\$	-	500	\$	-	\$	-	
Sub-Total B - Distribution (includes Sub-				\$ 2	,020.33				\$	2,637.98	\$	617.65	30.57%
Total A)									•	<u>, </u>	·		
RTSR - Network	\$	2.6095	500	\$ 1	,304.75	\$	2.6001	500	\$	1,300.05	\$	(4.70)	-0.36%
RTSR - Connection and/or Line and	e	2.1983	500	\$ 1	,099.15	¢	2.3084	500	¢	1,154.20	\$	55.05	5.01%
Transformation Connection	Ψ	2.1903	300	Ψ	,000.10	Ψ	2.3004	300	Ψ	1,104.20	Ψ	00.00	3.0170
Sub-Total C - Delivery (including Sub-				\$ 4	,424.23				\$	5,092.23	¢	668.00	15.10%
Total B)				Ψ	,727.23				Ψ	3,032.23	Ψ	000.00	13.1070
Wholesale Market Service Charge	e	0.0036	194,735	\$	701.05	\$	0.0036	194,735	\$	701.05	\$	_	0.00%
(WMSC)	*	0.0030	194,733	Ψ	701.03	Ψ	0.0030	194,733	Ψ	701.03	Ψ	_	0.0070
Rural and Remote Rate Protection	e	0.0003	194,735	\$	58.42	¢	0.0003	194,735	œ.	58.42	\$	_	0.00%
(RRRP)	1 •		194,733	Ψ		φ		134,733				-	
Standard Supply Service Charge	\$	0.25	1	\$	0.25	\$	0.25	1	\$	0.25	\$	-	0.00%
Average IESO Wholesale Market Price	\$	0.1101	194,735	\$ 21	,440.30	\$	0.1101	194,735	\$	21,440.30	\$	-	0.00%
Total Bill on Average IESO Wholesale Market Price				\$ 26	,624.25				\$	27,292.25	\$	668.00	2.51%
HST		13%		\$ 3	,461.15		13%		\$	3,547.99		86.84	2.51%
Total Bill on Average IESO Wholesale Market Price				\$ 30	,085.40				\$	30,840.24	\$	754.84	2.51%
										,			

Customer Class: GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION
RPP / Non-RPP: Non-RPP (Other)

Consumption 489,100 kWh

Demand 1,000 kW

urrent Loss Factor 1.0260
proved Loss Factor 1.0260 Current Loss Factor Proposed/Approved Loss Factor

Rate (\$) 574.08 3.0695	B-Approved Volume	Charge	Rate	Proposed Volume	Charge		
574.08		_		V Olullic	Charge		
		(\$)	(\$)		(\$)	\$ Change	% Change
3 0695	1	\$ 574.08	\$ 579.25	1	\$ 579.25	\$ 5.17	0.90%
0.0000	1000	\$ 3,069.50	\$ 3.0971	1000	\$ 3,097.10	\$ 27.60	0.90%
(46.33)	1	\$ (46.33)	\$ (46.33)	1	\$ (46.33)	\$ -	0.00%
0.0442	1000	\$ 44.20	\$ 0.1084	1000	\$ 108.40	\$ 64.20	145.25%
		\$ 3,641.45			\$ 3,738.42	\$ 96.97	2.66%
-	-	\$ -	\$ -	-	\$ -	\$ -	
1 0055	1 000	¢ (1,005,50)	¢ 0.5512	1 000	¢ 551.20	¢ 1646.70	-150.31%
1.0955	1,000	φ (1,095.50)	φ 0.331Z	1,000	φ 551.20	φ 1,040.70	-130.31/6
0.0244	1,000	\$ (24.40)	\$ -			\$ 24.40	-100.00%
0.0045	489,100	\$ 2,200.95	\$ 0.0039			\$ (293.46)	-13.33%
-	1,000	\$ -		1,000	\$ -	\$ -	
	1	¢	¢.	4	¢	¢	
-	'	Φ -	a -	l l	-	Φ -	
-	1	\$ -	\$ -	1	\$ -	\$ -	
	1,000	\$ -	\$ -	1,000	\$ -	\$ -	
		¢ 4 722 50			¢ 610711	\$ 1,474,61	31.23%
		•			,	•	
2.7067	1,000	\$ 2,706.70	\$ 2.6970	1,000	\$ 2,697.00	\$ (9.70)	-0.36%
2 2808	1 000	\$ 2.280.80	\$ 23050	1 000	\$ 2395.00	\$ 114.20	5.01%
2.2000	1,000	Ψ 2,200.00	Ψ 2.5550	1,000	Ψ 2,000.00	Ψ 114.20	0.0170
		\$ 9710.00			\$ 11 289 11	\$ 157911	16.26%
		Ψ 3,7 10.00			Ψ 11,200.111	Ψ 1,073.11	10.2070
0.0036	501 817	\$ 1,806,54	\$ 0.0036	501 817	\$ 1,806,54	\$ -	0.00%
0.0000	001,017	Ψ 1,000.04	ψ 0.0000	001,017	1,000.04	Ψ	0.0070
0.0003	501 817	\$ 150.54	\$ 0,0003	501 817	\$ 150.54	\$ -	0.00%
	001,017			001,017			
	1			1		•	0.00%
0.1101	501,817	\$ 55,250.01	\$ 0.1101	501,817	\$ 55,250.01	\$ -	0.00%
		\$ 66,917.34					2.36%
13%		\$ 8,699.25	13%		\$ 8,904.54	\$ 205.28	2.36%
		\$ 75,616.60			\$ 77,400.99	\$ 1,784.39	2.36%
	0.0442 - 1.0955 0.0244 0.0045 2.7067 2.2808 0.0036 0.0003 0.25 0.1101	0.0442 1000 - - 1.0955 1,000 0.0244 1,000 - 1,000 - 1 - 1,000 2.7067 1,000 2.2808 1,000 0.0036 501,817 0.25 1 0.1101 501,817	0.0442 1000 \$ 44.20 \$ 3,641.45 - - 1.0955 1,000 \$ (1,095.50) 0.0244 1,000 \$ (24.40) 0.0045 489,100 \$ 2,200.95 - 1,000 \$ - - 1 \$ - 1,000 \$ - \$ 4,722.50 \$ 4,722.50 2.7067 1,000 \$ 2,706.70 2.2808 1,000 \$ 2,280.80 \$ 9,710.00 0.0036 501,817 \$ 1,806.54 0.003 501,817 \$ 0.25 0.1101 501,817 \$ 55,250.01 13% \$ 66,917.34 \$ 8,699.25	0.0442 1000 \$ 44.20 \$ 0.1084 - - \$ 3,641.45 - - - \$ - - 1.0955 1,000 \$ (1,095.50) \$ 0.5512 0.0244 1,000 \$ (24.40) \$ - 0.0045 489,100 \$ 2,200.95 \$ 0.0039 - 1,000 \$ - \$ - - 1 \$ - \$ - - 1,000 \$ - \$ - 1,000 \$ 2,706.70 \$ 2.6970 2.2808 1,000 \$ 2,280.80 \$ 2.3950 \$ 9,710.00 0.0036 501,817 \$ 1,806.54 \$ 0.0036 0.0037 501,817 \$ 150.54 \$ 0.0003 0.25 1 \$ 0.25 \$ 0.25 0.1101 501,817 \$ 55,250.01 \$ 0.1101	0.0442 1000 \$ 44.20 \$ 0.1084 1000 \$ 3,641.45 -	0.0442	0.0442

Customer Class: LARGE USE SERVICE CLASSIFICATION
RPP / Non-RPP: Non-RPP (Other)
Consumption 4,215,750 kWh 7,500 kW 1.0036 1.0036 Demand Current Loss Factor Proposed/Approved Loss Factor

Rate Volume Charge S		С	urrent OE	B-Approved	l			Proposed	I		Im	pact
Monthly Service Charge \$ 1,103.59 1 \$ 1,103.59 \$ 1,113.52 \$ 9.93 0.90% Distribution Volumetric Rate \$ 2,7577 7500 \$ 2,0682.75 \$ 2,7825 7500 \$ 2,0682.75 \$ 186.00 0.90% Fixed Rate Riders \$ (151.18) \$ (15		Rate		Volume	Charge			Volume	Charge			
Distribution Volumetric Rate \$ 2,7577 7500 \$ 20,882.75 \$ 27,825 \$ 7500 \$ 20,888.75 \$ 180.00 0.90% Fixed Rate Riders \$ (151.18) 1 \$ (151.18) 1 \$ (151.18) 1 \$ (151.18) \$ \$ \$ (151.18) \$ \$ \$ \$ \$ \$ \$ \$ \$												
Fixed Rate Riders \$ (151.18)		\$,	1	-			1				
Volumetric Rate Riders S 0.4790 7500 \$ 3.592.50 \$ 0.8322 7500 \$ 6.241.50 \$ 2.649.00 73.74%		\$	_	7500			•				186.00	
Sub-Total A (excluding pass through)	Fixed Rate Riders	\$	(151.18)	1	\$ (151.	18)	\$ (151.18)	1	\$ (151.18)	\$	-	0.00%
Line Losses on Cost of Power \$		\$	0.4790	7500			\$ 0.8322	7500			,	
Total Deferral/Variance Account Rate Riders -\$ 0.9653 7,500 \$ (7,239.75) \$ 0.6429 7,500 \$ 4,821.75 \$ 12,061.50 1-166.60% Riders Riders -\$ 7,500 \$ - 7,500 \$ - \$ - 7,500 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$						66			\$ 28,072.59	_	2,844.93	11.28%
Riders CBR Class B Rate Riders \$ - 7.500 \$ - \$ - 7.500 \$		\$	-	-	\$.	\$ -	-	\$ -	\$	-	
Riders State Ride		-s	0 9653	7 500	\$ (7.239	75)	\$ 0.6429	7 500	\$ 4821.75	l s	12 061 50	-166 60%
GA Rate Riders Low Voltage Service Charge \$ - 4,215,750 \$ - \$ - 4,215,750 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$		*	0.000	ŕ	•	' '	ψ 0.0423			"	12,001.00	100.0070
Low Voltage Service Charge \$ - 7,500 \$ - 7,500 \$ - 7,500 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$		\$	-			.	\$ -			1 '	-	
Smart Meter Entity Charge (if applicable) \$ - 1 \$ - 1 \$ - 1 \$ - 1 \$ - 1 \$ - 1 \$ - 1 \$ - 1 \$ - 1 \$ - 1 \$ - 1 \$ - 1 \$ - \$ - 1 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - - \$ - - \$ - - \$ -		\$	-			.	\$ -				-	
Additional Fixed Rate Riders		\$	-	7,500	\$.		7,500	-	\$	-	
Additional Fixed Rate Riders \$ - 1 \$ - \$ - 1 \$ - \$ - 7,500 \$ - \$ - 7,500 \$ - \$ - 7,500 \$ - \$ - 7,500 \$ - \$ - 7,500 \$ - \$ - \$ - \$ - 7,500 \$ - \$ - \$ - \$ - \$ - \$ - 7,500 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	Smart Meter Entity Charge (if applicable)	¢	_	1	\$.	¢ _	l 1	l s -	S	_	
Additional Volumetric Rate Riders T,500 \$ - \$ - 7,500 \$ - 7,5		Ψ	_		Ψ		Ψ -	'	lΨ	"		
Sub-Total B - Distribution (includes Sub-Total A) \$ 17,987.91 \$ 32,894.34 \$ 14,906.43 82.87%		\$	-	1	\$.	\$ -	1	-	\$	-	
Total A) S				7,500	\$.	\$ -	7,500	\$ -	\$	-	
Total Bill on Average IESO Wholesale Market Price Sackstand String of the first	Sub-Total B - Distribution (includes Sub-				\$ 17 987	91			\$ 32 894 34	s	14 906 43	82 87%
RTSR - Connection and/or Line and Transformation Connection \$ 2.7540 7,500 \$ 20,655.00 \$ 2.8919 7,500 \$ 21,689.25 \$ 1,034.25 5.01%					•				•		, i	
Transformation Connection \$ 2.7540 7,500 \$ 20,655.00 \$ 2.8919 7,500 \$ 21,689.25 \$ 1,034.25 \$ 5.01%		\$	3.2687	7,500	\$ 24,515	25	\$ 3.2570	7,500	\$ 24,427.50	\$	(87.75)	-0.36%
Sub-Total B Sub-Total C - Delivery (including Sub-Total B) \$ 63,158.16 \$ 79,011.09 \$ 15,852.93 25.10%		s	2 7540	7 500	\$ 20,655	00 L	\$ 28919	7 500	\$ 21 689 25	S	1 034 25	5.01%
Total B) \$ 0.0036		Ψ	2.7040	7,000	Ψ 20,000	-	Ψ 2.0010	7,000	Ψ 21,000.20	Ľ	1,001.20	0.0170
Total Bill on Average IESO Wholesale Market Price S					\$ 63.158	16			\$ 79,011,09	S	15 852 93	25 10%
(WMSC) \$ 0.0036 4,230,927 \$ 15,231.34 \$ 0.0036 4,230,927 \$ 15,231.34 \$ 0.0036 4,230,927 \$ 15,231.34 \$ 0.0036 4,230,927 \$ 15,231.34 \$ 0.0036 4,230,927 \$ 15,231.34 \$ 0.0036 4,230,927 \$ 15,231.34 \$ 0.0036 4,230,927 \$ 15,231.34 \$ 0.0036 4,230,927 \$ 15,231.34 \$ 0.0036 \$ 15,231.34 \$ 0.0036 \$ 15,231.34 \$ 0.0036 \$ 15,231.34 \$ 0.0036 \$ 15,231.34 \$ 0.0036 \$ 15,231.34 \$ 0.0036 \$ 15,231.34 \$ 0.0036 \$ 0.0036 \$ 15,231.34 \$ 0.0036					Ψ 00,100				Ψ 70,011.03	Ψ_	10,002.00	20.1070
Rural and Remote Rate Protection (RRRP) \$ 0.0003 4,230,927 \$ 1,269.28 \$ 0.0003 4,230,927 \$ 1,269.28 \$ - 0.00%		s	0.0036	4 230 927	\$ 15 231	34	\$ 0,0036	4 230 927	\$ 15 231 34	S	_	0.00%
RRRP \$ 0.0003 4,230,927 \$ 1,269.28 \$ 0.0003 4,230,927 \$ 1,269.28 \$ - 0.00%	` ,	ľ	0.000	.,200,02.	Ψ 10,201	Ŭ .	V 0.0000	1,200,021	Ψ 10,201101	*		0.0070
Standard Supply Service Charge \$ 0.25 1 \$ 0.25 \$ 0.25 \$ 0.00%		s	0.0003	4 230 927	\$ 1.269	28	\$ 0.0003	4 230 927	\$ 1 269 28	S	_	0.00%
Average IESO Wholesale Market Price \$ 0.1101 4,230,927 \$ 465,825.03 \$ 0.1101 4,230,927 \$ 465,825.03 \$ - 0.00% Total Bill on Average IESO Wholesale Market Price HST 13% \$ 70,912.93 13% \$ 15,852.93 \$ 2.91%	` ,			.,	•			.,200,02.		1		
Total Bill on Average IESO Wholesale Market Price \$ 545,484.05 \$ 561,336.98 \$ 15,852.93 2.91% HST 13% \$ 70,912.93 13% \$ 72,973.81 \$ 2,060.88 2.91%		\$		1				1	l '	I '	-	
HST 13% \$ 70,912.93 13% \$ 72,973.81 \$ 2,060.88 2.91%	Average IESO Wholesale Market Price	\$	0.1101	4,230,927	\$ 465,825	03	\$ 0.1101	4,230,927	\$ 465,825.03	\$	-	0.00%
HST 13% \$ 70,912.93 13% \$ 72,973.81 \$ 2,060.88 2.91%												
· · · · · · · · · · · · · · · · · · ·					•						<i>'</i>	
Total Bill on Average IESO Wholesale Market Price \$ 616,396.98 \$ 634,310.79 \$ 17,913.81 2.91%			13%				13%					
	Total Bill on Average IESO Wholesale Market Price				\$ 616,396	98			\$ 634,310.79	\$	17,913.81	2.91%

Customer Class: UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION RPP / Non-RPP: RPP

750 kWh Consumption - kW Demand Current Loss Factor Proposed/Approved Loss Factor 1.0260 1.0260

		Current OE	B-Approved	<u> </u>			Proposed		Im	pact
	Rate (\$)		Volume	Charge (\$)	1	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$	4.90	15	(-)		4.94	15	()		0.82%
Distribution Volumetric Rate	Š	0.0223	750		\$	0.0225	750			0.90%
Fixed Rate Riders	Š	(0.05)	1	\$ (0.05)		(0.05)	1	\$ (0.05)		0.00%
Volumetric Rate Riders	Š	(0.00)	750		\$	(0.00)	750		\$ -	0.0070
Sub-Total A (excluding pass through)	1			\$ 90.18	 		. 00	\$ 90.93		0.83%
Line Losses on Cost of Power	\$	0.0820	20	\$ 1.60	\$	0.0820	20	\$ 1.60		0.00%
Total Deferral/Variance Account Rate										404.000/
Riders	-\$	0.0022	750	\$ (1.65)	\$	0.0018	750	\$ 1.35	\$ 3.00	-181.82%
CBR Class B Rate Riders	-\$	0.0001	750	\$ (0.08)	\$	-	750	\$ -	\$ 0.08	-100.00%
GA Rate Riders	\$	-	750	\$ -	\$	-	750	\$ -	\$ -	
Low Voltage Service Charge	\$	-	750	\$ -	-		750	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)			_	•			4	•		
, , , ,	*	-	1	\$ -	\$	-	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$	-	1	\$ -	\$	-	1	\$ -	\$ -	
Additional Volumetric Rate Riders			750	\$ -	\$	-	750	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-				\$ 90.05				\$ 93.87	\$ 3.83	4.25%
Total A)				\$ 90.05				\$ 93.87	\$ 3.03	
RTSR - Network	\$	0.0062	770	\$ 4.77	\$	0.0062	770	\$ 4.77	\$ -	0.00%
RTSR - Connection and/or Line and	 \$	0.0052	770	\$ 4.00	\$	0.0055	770	\$ 4.23	\$ 0.23	5.77%
Transformation Connection	J P	0.0032	110	φ 4.00	Ψ	0.0055	770	φ 4.23	φ 0.23	5.11/0
Sub-Total C - Delivery (including Sub-				\$ 98.82				\$ 102.88	\$ 4.06	4.10%
Total B)				Ψ 30.02				Ψ 102.00	Ψ 4.00	7.10/0
Wholesale Market Service Charge	 c	0.0036	770	\$ 2.77	\$	0.0036	770	\$ 2.77	\$ -	0.00%
(WMSC)	*	0.0050	770	Ψ 2.77	Ψ	0.0050	770	Ψ 2.77	Ψ	0.0070
Rural and Remote Rate Protection	 c	0.0003	770	\$ 0.23	\$	0.0003	770	\$ 0.23	\$ -	0.00%
(RRRP)	*		770		, ·		110	•		
Standard Supply Service Charge	\$	0.25	1	\$ 0.25		0.25	1	\$ 0.25		0.00%
TOU - Off Peak	\$	0.0650	488	-		0.0650	488			0.00%
TOU - Mid Peak	\$	0.0940	128	\$ 11.99		0.0940	128	\$ 11.99		0.00%
TOU - On Peak	\$	0.1320	135	\$ 17.82	\$	0.1320	135	\$ 17.82	\$ -	0.00%
Total Bill on TOU (before Taxes)				\$ 163.56				\$ 167.62		2.48%
HST		13%		\$ 21.26		13%		\$ 21.79	•	2.48%
Total Bill on TOU				\$ 184.83				\$ 189.41	\$ 4.58	2.48%

Customer Class: SENTINEL LIGHTING SERVICE CLASSIFICATION RPP / Non-RPP: RPP

140 kWh Consumption 2 kW Demand Current Loss Factor Proposed/Approved Loss Factor 1.0260 1.0260

		Current OF	B-Approved	d				Proposed				Im	pact
		Rate (\$)	Volume		Charge (\$)		Rate (\$)	Volume		Charge (\$)	\$	Change	% Change
Monthly Service Charge	\$	7.58	3	\$	(' /	\$	7.65	3	\$	22.95		0.21	0.92%
Distribution Volumetric Rate	\$	8.3886	2	\$	16.78	\$	8.4641	2	\$	16.93		0.15	0.90%
Fixed Rate Riders	\$	(0.11)	1	\$	(0.11)		(0.11)	1	\$	(0.11)		-	0.00%
Volumetric Rate Riders	\$	-	2	\$	-	\$	`- ′	2	\$	- '	\$	-	
Sub-Total A (excluding pass through)				\$	39.41				\$	39.77	\$	0.36	0.92%
Line Losses on Cost of Power	\$	0.0820	4	\$	0.30	\$	0.0820	4	\$	0.30	\$	-	0.00%
Total Deferral/Variance Account Rate		1.0821	2	\$	(2.16)	œ.	2.7325	2	\$	5.47	\$	7.63	-352.52%
Riders	- Φ	1.0021	2	Φ	(2.10)	Ф	2.7323		٦	5.47	Ψ	7.03	
CBR Class B Rate Riders	-\$	0.0179	2	\$	(0.04)	\$	-	2	\$	-	\$	0.04	-100.00%
GA Rate Riders	\$	-	140	\$	-	\$	-	140	\$	-	\$	-	
Low Voltage Service Charge	\$	0.0089	2	\$	0.02	\$	0.0089	2	\$	0.02	\$	-	0.00%
Smart Meter Entity Charge (if applicable)	\$	-	1	\$	-	\$	-	1	\$	-	\$	-	
Additional Fixed Rate Riders	C	_	1	\$	_	\$	_	1	\$	_	\$	_	
Additional Volumetric Rate Riders	"	_	2	\$	_	\$	_	2	\$	_	\$	_	
Sub-Total B - Distribution (includes Sub-						۳							
Total A)				\$	37.52				\$	45.55	\$	8.03	21.39%
RTSR - Network	\$	1.9979	2	\$	4.00	\$	1.9906	2	\$	3.98	\$	(0.01)	-0.37%
RTSR - Connection and/or Line and		4 0004	0	φ.	2.27	•	4 7075	2	φ.	2.54	٠	0.47	E 040/
Transformation Connection	\$	1.6831	2	\$	3.37	\$	1.7675	2	\$	3.54	\$	0.17	5.01%
Sub-Total C - Delivery (including Sub-				\$	44.89				\$	53.07	\$	8.18	18.22%
Total B)				Ť					Ť		Ť		
Wholesale Market Service Charge	\$	0.0036	144	\$	0.52	\$	0.0036	144	\$	0.52	\$	-	0.00%
(WMSC)													
Rural and Remote Rate Protection	\$	0.0003	144	\$	0.04	\$	0.0003	144	\$	0.04	\$	-	0.00%
(RRRP)	•	0.25	1	\$	0.25	•	0.25	4	φ.	0.25	φ.		0.00%
Standard Supply Service Charge TOU - Off Peak	\$	0.25 0.0650	91	I '	0.25 5.92		0.0650	01	\$ \$	0.25 5.92		-	0.00%
TOU - Mid Peak TOU - Mid Peak	\$	0.0650		\$			0.0650	91	\$ \$	2.24		-	0.00%
TOU - Mild Peak TOU - On Peak	\$	0.1320	24 25	\$	2.24	\$ \$	0.0940	24 25				-	0.00%
100 - OII F Can	Ι Φ	0.1320	25	Φ	3.33	Ą	0.1320	25	Φ	3.33	ΙΦ	-	0.00%
Total Bill on TOU (before Taxes)	T			\$	57.17				6	65.35	¢	8.18	14.31%
HST		13%		\$ \$	7.43		13%		\$	8.50		1.06	14.31%
Total Bill on TOU		13/0		\$	64.61		1370		¢	73.85		9.24	14.31%
Total Bill Off TOO				Ψ	04.01				Ψ	13.03	Ψ	3.24	14.3170

Customer Class: STREET LIGHTING SERVICE CLASSIFICATION
RPP / Non-RPP: Non-RPP (Other)
Consumption 800,000 kWh 2,200 kW Demand 1.0260 1.0260 Current Loss Factor Proposed/Approved Loss Factor

	C	urrent OE	B-Approved	1			Proposed		Impact		
	Rate		Volume	Charge		Rate	Volume	Charge			
	(\$)			(\$)		(\$)		(\$)		Change	% Change
Monthly Service Charge	\$	0.43	13494			0.43	13494		\$	-	0.00%
Distribution Volumetric Rate	\$	10.2846	2200	\$ 22,626.12	2 \$	10.3772	2200			203.72	0.90%
Fixed Rate Riders	\$	(0.01)	1	\$ (0.01	() \$	(0.01)	1	\$ (0.01)	\$	-	0.00%
Volumetric Rate Riders	-\$	0.8432	2200	\$ (1,855.04	l) -\$	0.7280	2200	\$ (1,601.60)	\$	253.44	-13.66%
Sub-Total A (excluding pass through)				\$ 26,573.49)			\$ 27,030.65	\$	457.16	1.72%
Line Losses on Cost of Power	\$	-	-	\$ -	\$	-	-	\$ -	\$	-	
Total Deferral/Variance Account Rate	_¢	0.7759	2,200	\$ (1,706.98	2)	0.4420	2,200	\$ 972.40	\$	2,679.38	-156.97%
Riders	-Ψ		-			0.4420			Ψ	,	
CBR Class B Rate Riders	-\$	0.0180	,	\$ (39.60		-	2,200	\$ -	\$	39.60	-100.00%
GA Rate Riders	\$	0.0045	800,000			0.0039	,	\$ 3,120.00		(480.00)	-13.33%
Low Voltage Service Charge	\$	0.0107	2,200	\$ 23.54	\$	0.0107	2,200	\$ 23.54	\$	-	0.00%
Smart Meter Entity Charge (if applicable)	¢		1	¢		_	1	¢ -	\$	_	
	3	-	'	Ψ -	Ψ		'	-	Ψ	-	
Additional Fixed Rate Riders	\$	-	1	\$ -	\$	-	1	\$ -	\$	-	
Additional Volumetric Rate Riders			2,200	\$ -	\$	-	2,200	\$ -	\$	-	
Sub-Total B - Distribution (includes Sub-				\$ 28,450.45	:			\$ 31,146.59	\$	2,696.14	9.48%
Total A)				•				,		•	
RTSR - Network	\$	2.4040	2,200	\$ 5,288.80) \$	2.3954	2,200	\$ 5,269.88	\$	(18.92)	-0.36%
RTSR - Connection and/or Line and	•	2.0253	2,200	\$ 4,455.66	; ¢	2.1267	2,200	\$ 4,678.74	\$	223.08	5.01%
Transformation Connection	Ψ	2.0233	2,200	Ψ +,+00.00	΄ Ψ	2.1207	2,200	Ψ,070.14	Ψ	220.00	0.0170
Sub-Total C - Delivery (including Sub-				\$ 38,194.91				\$ 41,095.21	\$	2,900.30	7.59%
Total B)				Ψ 30,134.31	'			Ψ 41,033.21	Ψ	2,300.30	1.0070
Wholesale Market Service Charge	c	0.0036	820,800	\$ 2,954.88	۱ <u>د</u>	0.0036	820,800	\$ 2,954.88	\$	_	0.00%
(WMSC)	*	0.0000	020,000	Ψ 2,001.00	´ Ŭ	0.0000	020,000	Σ,001.00	*		0.0070
Rural and Remote Rate Protection	c	0.0003	820,800	\$ 246.24	ı İ s	0.0003	820,800	\$ 246.24	\$	_	0.00%
(RRRP)	*		020,000		1		020,000		l '		
Standard Supply Service Charge	\$	0.25	1	\$ 0.25	-	0.25	1	\$ 0.25		-	0.00%
Average IESO Wholesale Market Price	\$	0.1101	820,800	\$ 90,370.08	3 \$	0.1101	820,800	\$ 90,370.08	\$	-	0.00%
Total Bill on Average IESO Wholesale Market Price				\$ 131,766.36				\$ 134,666.66		2,900.30	2.20%
HST		13%		\$ 17,129.63	3	13%		\$ 17,506.67		377.04	2.20%
Total Bill on Average IESO Wholesale Market Price				\$ 148,895.99)			\$ 152,173.33	\$	3,277.34	2.20%

Customer Class: RESIDENTIAL SERVICE CLASSIFICATION RPP / Non-RPP: RPP

210 kWh Consumption - kW Demand

1.0260 1.0260 Current Loss Factor
Proposed/Approved Loss Factor

		Current Of	B-Approved	d				Proposed				Im	pact
		Rate	Volume		Charge		Rate	Volume		Charge	.		
Monthly Service Charge	•	(\$) 25.73	1	ı,	(\$) 25.73	•	(\$) 29.13	1	\$	(\$) 29.13		Change 3.40	% Change 13.21%
Distribution Volumetric Rate	a e	0.0049	210	IΨ	1.03		29.13	210		29.13	\$	(1.03)	-100.00%
Fixed Rate Riders	φ	(0.18)	210	(\$	(0.18)		(0.18)	210	\$	(0.18)		(1.03)	0.00%
Volumetric Rate Riders	a e	0.0002	210	,	0.04	\$	0.0005	210		0.10	\$	0.06	150.00%
Sub-Total A (excluding pass through)	Ψ	0.0002	210	\$	26.62	Ψ	0.0003	210	\$	29.06		2.43	9.14%
Line Losses on Cost of Power	\$	0.0820	5	_	0.45	\$	0.0820	5	\$	0.45		- 2.43	0.00%
Total Deferral/Variance Account Rate	Ψ			1		· .			-		'		
Riders	-\$	0.0023	210	\$	(0.48)	\$	0.0018	210	\$	0.38	\$	0.86	-178.26%
CBR Class B Rate Riders	-\$	0.0001	210	\$	(0.02)	\$	_	210	\$	_	\$	0.02	-100.00%
GA Rate Riders	s s	0.0001	210		(0.02)	\$	_	210	\$	_	\$		100.0070
Low Voltage Service Charge	\$	_	210		_	Ψ		210	\$	_	\$	_	
Smart Meter Entity Charge (if applicable)	*			Ι΄.		l		210					
omart motor Emity onargo (ii applicable)	\$	0.57	1	\$	0.57	\$	0.57	1	\$	0.57	\$	-	0.00%
Additional Fixed Rate Riders	\$	_	1	\$	-	\$	_	1	\$	_	\$	-	
Additional Volumetric Rate Riders	1		210	T .	-	\$	_	210	\$	_	\$	-	
Sub-Total B - Distribution (includes Sub-				Ť		Ť					_		
Total A)				\$	27.13				\$	30.45	\$	3.32	12.22%
RTSR - Network	\$	0.0068	215	\$	1.47	\$	0.0068	215	\$	1.47	\$	-	0.00%
RTSR - Connection and/or Line and		0.0050	045	_	4.07		0.0000	045	Φ.	4.04	<u></u>	0.00	
Transformation Connection	\$	0.0059	215	\$	1.27	\$	0.0062	215	\$	1.34	\$	0.06	5.08%
Sub-Total C - Delivery (including Sub-				\$	29.87				\$	33.25	\$	3.38	11.32%
Total B)				Ą	29.07				Ą	33.23	Ф	3.36	11.32%
Wholesale Market Service Charge	s	0.0036	215	\$	0.78	\$	0.0036	215	\$	0.78	\$	_	0.00%
(WMSC)	Ψ	0.0030	213	Ψ	0.70	Ψ	0.0030	213	Ψ	0.70	Ψ	_	0.0076
Rural and Remote Rate Protection	•	0.0003	215	\$	0.06	\$	0.0003	215	\$	0.06	\$	_	0.00%
(RRRP)	Ψ		210			`		210					
Standard Supply Service Charge	\$	0.25	1	\$	0.25		0.25	1	\$	0.25	\$	-	0.00%
TOU - Off Peak	\$	0.0650	137		8.87	\$	0.0650	137	\$	8.87	\$	-	0.00%
TOU - Mid Peak	\$	0.0940	36		3.36	\$	0.0940	36	\$	3.36	\$	-	0.00%
TOU - On Peak	\$	0.1320	38	\$	4.99	\$	0.1320	38	\$	4.99	\$	-	0.00%
Total Bill on TOU (before Taxes)				\$	48.18		П		\$	51.56		3.38	7.02%
HST		13%		\$	6.26		13%		\$	6.70		0.44	7.02%
8% Rebate		8%		\$	(3.85)		8%		\$	(4.12)		(0.27)	
Total Bill on TOU				\$	50.59				\$	54.14	\$	3.55	7.02%

Customer Class: RESIDENTIAL SERVICE CLASSIFICATION
RPP / Non-RPP: Non-RPP (Retailer)
Consumption 750 kWh

Demand - kW

Current Loss Factor
Proposed/Approved Loss Factor 1.0260 1.0260

Current OEB-Approved						Proposed				lm	pact
Rate	Volume		Charge		Rate	Volume		Charge			
(\$)			(\$)		(\$)			(\$)			% Change
1 ·	1	ΙΨ			29.13			29.13			13.21%
1 ·					-	750		-		(3.68)	-100.00%
						1				-	0.00%
\$ 0.0002	750			\$	0.0005	750					150.00%
							T			(0.05)	-0.17%
\$ 0.1101	20	\$	2.15	\$	0.1101	20	\$	2.15	\$	-	0.00%
0.0023	750	Q	(1 73)	\$	0.0018	750	¢	1 35	¢	3.08	-178.26%
			` ′		0.0010		'	1.00	l .		
1 .					-			-	_		-100.00%
\$ 0.0045			3.38	\$	0.0039			2.93		(0.45)	-13.33%
-	750	\$	-			750	\$	-	\$	-	
0.57	4		0.57	¢	0.57	1	œ.	0.57	œ.	_	0.00%
0.57	'	Ψ	0.57	Ψ	0.57	ı	Ψ	0.57	Ψ	-	0.00 %
-	1	\$	-	\$	-	1	\$	-	\$	-	
	750	\$	-	\$	-	750	\$	-	\$	-	
			33 67				e e	36 32	¢	2 65	7.87%
									·	2.03	
\$ 0.0068	770	\$	5.23	\$	0.0068	770	\$	5.23	\$	-	0.00%
0.0050	770	¢	151	¢	0.0062	770	œ.	1 77	œ.	0.23	5.08%
0.0033	110	Ψ	4.54	Ψ	0.0002	770	Ψ	4.77	Ψ	0.25	3.00 %
		•	13 11				¢	46 32	¢	2 88	6.63%
		Ψ	70.77				Ψ	40.02	Ψ	2.00	0.0370
0.0036	770	¢	2 77	¢	0.0036	770	¢	2 77	¢	_	0.00%
0.0030	110	Ψ	2.77	Ψ	0.0030	770	۳	2.11	Ψ	_	0.0076
0,0003	770	¢	0.23	¢	0.0003	770	œ.	0.23	œ.	_	0.00%
0.0003	110	Ψ	0.23	Ψ	0.0003	770	Ψ	0.23	Ψ	_	0.00 /6
\$ 0.1101	750	\$	82.58	\$	0.1101	750	\$	82.58	\$	-	0.00%
		\$	129.02				\$	131.90	\$	2.88	2.23%
13%	,	\$	16.77		13%		\$	17.15	\$	0.37	2.23%
					8%						
		\$	145.79				\$	149.04	\$	3.26	2.23%
	Rate (\$) \$ 25.73 \$ 0.0049 \$ (0.18) \$ 0.0002 \$ 0.1101 -\$ 0.0023 -\$ 0.0001 \$ 0.0045 \$ - \$ 0.57 \$ - \$ 0.0068 \$ 0.0059 \$ 0.0036 \$ 0.0003	Rate (\$) \$ 25.73	Rate (\$) Volume \$ 25.73 1 \$ 0.0049 750 \$ 0.0049 750 \$ 1 \$ 0.0002 750 \$ 1 \$ 0.0002 750 \$ 1 \$ 0.0002 \$ 0.0002 \$ 0.0002 \$ 0.0002 \$ 0.0002 \$ 0.0002 \$ 0.0002 \$ 0.0002 \$ 0.0002 \$ 0.0002 \$ 0.00045 0.00045 0.00045 0.00045 0.00045 0.0002 \$ 0.0002	Rate (\$) Volume (\$) Charge (\$) \$ 25.73 1 \$ 25.73 \$ 0.0049 7500 \$ 3.68 \$ (0.18) 1 \$ (0.18) \$ 0.0002 7500 \$ 0.15 \$ 29.38 \$ 0.1101 20 \$ 2.15 \$ 0.0023 750 \$ (0.08) \$ 0.0045 750 \$ (0.08) \$ 0.0045 750 \$ 3.38 \$ 750 \$ 3.367 \$ 0.57 1 \$ 0.57 \$ 0.0068 770 \$ 5.23 \$ 0.0059 770 \$ 4.54 \$ 0.0036 770 \$ 2.77 \$ 0.0003 770 \$ 2.23 \$ 0.101 750 \$ 2.58	Rate (\$)	Rate (\$) Volume Charge (\$) Rate (\$) \$ 25.73 1	Rate (\$) Volume Charge (\$) Rate (\$) Volume (\$) \$ 25.73 1 \$ 25.73 \$ 29.13 1 \$ 0.0049 750 \$ 3.68 \$ - 750 \$ (0.18) 1 \$ (0.18) \$ (0.18) 1 \$ 0.0002 750 \$ 0.15 \$ 0.0005 750 \$ 0.1101 20 \$ 2.15 \$ 0.1101 20 -\$ 0.0023 750 \$ (0.08) \$ - 750 \$ 0.0001 750 \$ (0.08) \$ - 750 \$ 0.0045 750 \$ 3.38 \$ 0.0039 750 \$ 0.57 1 \$ 0.57 0.57 1 \$ 0.57 1 \$ 0.57 0.57 1 \$ 0.57 1 \$ 0.57 \$ 0.57 1 \$ 0.57 \$ 0.57 \$ 0.57 1 \$ 0.0068 770 \$ 5.23 \$ 0.0068 </td <td> Rate (\$)</td> <td>Rate (\$) Volume (\$) Charge (\$) Rate (\$) Volume (\$) Charge (\$) \$ 25.73 1 \$ 25.73 \$ 29.13 1 \$ 29.13 \$ 0.0049 750 \$ 3.68 - 750 \$ - \$ (0.18) 1 \$ (0.18) 1 \$ (0.18) \$ 0.0002 750 \$ 0.15 \$ 0.0005 750 \$ 0.38 \$ 0.1101 20 \$ 2.15 \$ 0.1101 20 \$ 2.15 -\$ 0.0023 750 \$ (1.73) \$ 0.0018 750 \$ 1.35 -\$ 0.0001 750 \$ (0.08) - 750 \$ 1.35 -\$ 0.0045 750 \$ 3.38 \$ 0.0039 750 \$ 2.93 \$ 0.57 1 \$ 0.57 \$ 0.57 1 \$ 0.57 \$ 0.57 1 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57</td> <td> Rate (\$)</td> <td> Rate (\$)</td>	Rate (\$)	Rate (\$) Volume (\$) Charge (\$) Rate (\$) Volume (\$) Charge (\$) \$ 25.73 1 \$ 25.73 \$ 29.13 1 \$ 29.13 \$ 0.0049 750 \$ 3.68 - 750 \$ - \$ (0.18) 1 \$ (0.18) 1 \$ (0.18) \$ 0.0002 750 \$ 0.15 \$ 0.0005 750 \$ 0.38 \$ 0.1101 20 \$ 2.15 \$ 0.1101 20 \$ 2.15 -\$ 0.0023 750 \$ (1.73) \$ 0.0018 750 \$ 1.35 -\$ 0.0001 750 \$ (0.08) - 750 \$ 1.35 -\$ 0.0045 750 \$ 3.38 \$ 0.0039 750 \$ 2.93 \$ 0.57 1 \$ 0.57 \$ 0.57 1 \$ 0.57 \$ 0.57 1 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57 \$ 0.57	Rate (\$)	Rate (\$)

Customer Class: GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION RPP / Non-RPP: Non-RPP (Retailer)

2,000 kWh Consumption - kW Demand

1.0260 1.0260 Current Loss Factor Proposed/Approved Loss Factor

	Current (EB-Approve	d		Proposed	1	Im	pact
	Rate	Volume	Charge	Rate	Volume	Charge		
	(\$)		(\$)	(\$)		(\$)	\$ Change	% Change
Monthly Service Charge	\$ 16.74		\$ 16.74			\$ 16.89		0.90%
Distribution Volumetric Rate	\$ 0.0140	1			2000			0.71%
Fixed Rate Riders	\$ (0.50		\$ (0.50)			\$ (0.50)		0.00%
Volumetric Rate Riders	\$ 0.0003	2000		\$ 0.0006	2000		\$ 0.60	100.00%
Sub-Total A (excluding pass through)			\$ 44.84			\$ 45.79		2.12%
Line Losses on Cost of Power	\$ 0.110	52	\$ 5.73	\$ 0.1101	52	\$ 5.73	\$ -	0.00%
Total Deferral/Variance Account Rate	-\$ 0.0022	2,000	\$ (4.40)	\$ 0.0015	2,000	\$ 3.00	\$ 7.40	-168.18%
Riders			` ′		1	l ·	·	
CBR Class B Rate Riders	-\$ 0.000		\$ (0.20)				\$ 0.20	-100.00%
GA Rate Riders	\$ 0.004	,	9.00	\$ 0.0039	2,000		\$ (1.20)	-13.33%
Low Voltage Service Charge	-	2,000	-		2,000	-	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.57	, 1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
ALIS IF ID A DIL					1			
Additional Fixed Rate Riders	-	1	-	-	1	-	\$ -	
Additional Volumetric Rate Riders		2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-			\$ 55.54			\$ 62.89	\$ 7.35	13.23%
Total A) RTSR - Network	¢ 0.000	2.052	f 40.70	¢ 0.0000	2.052	r 40.70	•	0.000/
RTSR - Network RTSR - Connection and/or Line and	\$ 0.0062	2,052	\$ 12.72	\$ 0.0062	2,052	\$ 12.72	,	0.00%
	\$ 0.0052	2,052	\$ 10.67	\$ 0.0055	2,052	\$ 11.29	\$ 0.62	5.77%
Transformation Connection								
Sub-Total C - Delivery (including Sub-			\$ 78.93			\$ 86.89	\$ 7.97	10.09%
Total B)								
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,052	\$ 7.39	\$ 0.0036	2,052	\$ 7.39	\$ -	0.00%
Rural and Remote Rate Protection								
(RRRP)	\$ 0.0003	2,052	\$ 0.62	\$ 0.0003	2,052	\$ 0.62	\$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.110	2,000	\$ 220.20	\$ 0.1101	2,000	\$ 220.20	¢ -	0.00%
Non-Ki i Ketaliel Avg. i lice	0.110	2,000	Ψ 220.20	φ 0.1101	2,000	Ψ 220.20		0.0078
Total Bill on Non-RPP Avg. Price			\$ 307.13	I		\$ 315.10	\$ 7.97	2.59%
HST	139	<u> </u>	\$ 39.93	13%		\$ 40.96		2.59%
8% Rebate	80		ψ 39.93	8%		Ψ 40.90	Ψ 1.04	2.39 /0
Total Bill on Non-RPP Avg. Price			\$ 347.06	070		\$ 356.06	\$ 9.00	2.59%
Total bill oil Noil-NEE Avg. File			φ 341.00			ψ 330.00	φ 9.00	2.59%

Guelph Hydro Electric Systems Inc. EB-2018-0036 Application Appendix 3 Filed: August 9, 2018

Appendix 2
Current Tariff of Rates and Charges
EB-2017-0044
Rate Order

Effective and Implementation Date January 1, 2018

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

EB-2017-0044

RESIDENTIAL SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge	\$	25.73
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(0.18)
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0049
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0045
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) -		
effective until December 31, 2018	\$/kWh	0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kWh	(0.0023)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0059
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
, ,	•	
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date January 1, 2018

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

EB-2017-0044

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

\$	16.74
\$	(0.50)
\$	0.79
\$/kWh	0.0140
\$/kWh	0.0045
\$/kWh	0.0003
\$/kWh	(0.0022)
\$/kWh	(0.0001)
\$/kWh	0.0062
\$/kWh	0.0052
\$/kWh	0.0032
\$/kWh	0.0004
\$/kWh	0.0003
\$	0.25
	\$ \$ \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh

Effective and Implementation Date January 1, 2018

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

EB-2017-0044

GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge	\$	181.48
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(3.80)
Distribution Volumetric Rate	\$/kW	2.7650
Low Voltage Service Rate	\$/kW	0.0121
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0045
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) -		
effective until December 31, 2018	\$/kW	0.0218
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018		
Applicable only for Non-Wholesale Market Participants	\$/kW	(0.5958)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kW	(0.2077)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018		
Applicable only for Class B Customers	\$/kW	(0.0183)
Retail Transmission Rate - Network Service Rate	\$/kW	2.6095
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.7067
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1983
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.2808
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
3 ('Prinsense)	Ψ	0.20

Effective and Implementation Date January 1, 2018

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

EB-2017-0044

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

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

APPLICATION

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

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

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

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

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

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

\$	574.08
\$	(46.33)
\$/kW	3.0695
\$/kWh	0.0045
\$/kW	0.0442
\$/kW	(1.0955)
\$/kW	(0.0244)
\$/kW	2.7067
\$/kW	2.2808
	\$/kWh \$/kW \$/kW \$/kW

Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2017-0044

MONTHLY RATES AND CHARGES - Regulatory Component

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

Effective and Implementation Date January 1, 2018

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

EB-2017-0044

LARGE USE SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge	\$	1,103.59
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(151.18)
Distribution Volumetric Rate	\$/kW	2.7577
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018)	-	
effective until December 31, 2018	\$/kW	0.4790
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kW	(0.9653)
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.2687
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.7540
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously

approved schedules of Rates, Charges and Loss Factors

EB-2017-0044

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge (per connection)	\$	4.90
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(0.05)
Distribution Volumetric Rate	\$/kWh	0.0223
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0045
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kWh	(0.0022)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0062
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0052
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2017-0044

STANDBY POWER SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - APPROVED ON AN INTERIM BASIS

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

Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2017-0044

SENTINEL LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge (per connection)	\$	7.58
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(0.11)
Distribution Volumetric Rate	\$/kW	8.3886
Low Voltage Service Rate	\$/kW	0.0089
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0045
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kW	(1.0821)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018		,
Applicable only for Class B Customers	\$/kW	(0.0179)
Retail Transmission Rate - Network Service Rate	\$/kW	1.9979
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6831
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0002
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date January 1, 2018

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

EB-2017-0044

STREET LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

Service Charge (per connection)	\$	0.43
Rate Rider for Disposition of Post Retirement Actuarial Gain - effective until March 31, 2025	\$	(0.01)
Distribution Volumetric Rate	\$/kW	10.2846
Low Voltage Service Rate	\$/kW	0.0107
Rate Rider for Disposition of Global Adjustment Account (2018) - effective until December 31, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0045
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) -		
effective until December 31, 2018	\$/kW	(0.8432)
Rate Rider for Disposition of Deferral/Variance Accounts (2018) - effective until December 31, 2018	\$/kW	(0.7759)
Rate Rider for Disposition of Capacity Based Recovery Account (2018) - effective until December 31, 2018		
Applicable only for Class B Customers	\$/kW	(0.0180)
Retail Transmission Rate - Network Service Rate	\$/kW	2.4040
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.0253
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholegale Market Service Rate (WMS), not including CRR	Ф/IAA/Iь	0.0022
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0032
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0003
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2017-0044

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge \$ 5.40

Effective and Implementation Date January 1, 2018

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

EB-2017-0044

ALLOWANCES

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

SPECIFIC SERVICE CHARGES

APPLICATION

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

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

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

Customer Administration

Arrears certificate	\$	15.00
Returned cheque (plus bank charges)	\$	8.55
Account setup charge/change of occupancy charge (plus credit agency costs if applicable)	\$	8.75
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	10.00
Credit service charge for paperless bill	\$	(10.00)
Non-Payment of Account		
Late payment - per month	%	1.50
Late payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	9.00
Disconnect/reconnect at meter - during regular hours	\$	20.00
Disconnect/reconnect at meter - after regular hours	\$	50.00
Disconnect/reconnect at pole - during regular hours	\$	50.00
Disconnect/reconnect at pole - after regular hours	\$	95.00
Other		
Service call - customer owned equipment	\$	17.50
Service call - after regular hours	\$	95.00
Specific charge for access to the power poles - \$/pole/year		
(with the exception of wireless attachments)	\$	22.35
Overhead bond connection - per connection	\$	105.00
Underground bond connection - per connection	\$	100.00

Effective and Implementation Date January 1, 2018
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2017-0044

RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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

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

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

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

LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0260
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0137
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0157
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0036

Guelph Hydro Electric Systems Inc. EB-2018-0036 Application Appendix 3 Filed: August 9, 2018

Appendix 3 2011 to 2017 IESO's CDM Results

(Presented in PDF and Excel format)

Table 3-1: 2011 to 2014 Verified Energy (kWh) and Peak Demand (kW) Results

Table 1: Guelph Hydro Electric Systems Inc. Initiative and Program Level Net Savings by Year

		Table 1: Guel			c. Initiative and									Program-to-Date Verifi	
Initiative	Unit	(new progr	am activity oc	ital Activity curring within the g period)	he specified			Demand Savings is from activity v orting period)					Wh) ecified reporting	(exclud 2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy
		2011*	2012*	2015*	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014	Savines (kWh) 2014
Consumer Program															
Appliance Netirement	Appliances	794	426	208	199	43	23	14	13	312,750	167,643	88,261	86,630	92	2,016,578
Appliance Exchange	Appliances	24	21	54	67	3	3	11	14	3,528	5,639	19,950	24,752	29	93,653
HVAC Incentives	Equipment	1,216	1,093	1,379	1,720	450	253	287	351	861,367	449,783	503,653	650,307	1,341	6,453,191
Conservation Instant Coupon Booklet	Items	4,634	27K	3,126	10,100	11	2	5	20	171,748	12,560	69,259	271,895	36	1,155,048
Bi-Annual Retailer Event	Items	8,353	9,530	8,487	43,342	15	13	11	72	263,995	240,587	154,331	1,104,068	111	3,190,472
Retailer Co-op	Items	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Residential Demand Response	Devices	222	0	0	717	124	0	0	251	0	0	0	0	251	0
Residential Demand Response (IHD)	Devices	0	0	0	456	0	0	0	0	0	0	0	0	0	0
Residential New Construction	Homes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consumer Program Total						645	294	328	722	1,613,390	875,212	835,414	2,137,633	1,863	12,886,942
Businers Program															
Retrofit	Projects	26	107	116	103	110	1,055	939	1,107	549,202	5,028,199	6,406,519	7,229,048	3,175	57,181,425
Direct Install Lighting	Projects	225	160	76	87	313	156	105	108	778,995	353,306	361,892	384,907	624	5,699,283
Building Commissioning	Buildings	0	0	0	0	o	0	0	0	0	0	0	0	0	0
New Construction	Buildings	0	0	1	2	0	0	0	2	0	0	0	20,616	2	20,616
Energy Audit	Audits	0	19	119	4	0	85	9	53	0	402,820	46,451	261,094	143	1,566,456
Small Commercial Demand Response	Devices	3	0	0	6	2	0	0	3	0	0	0	0	3	0
Small Commercial Demand Response (IHD)	Devices	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Demand Response 3	Facilities	5	6	6	7	307	1,069	1,064	1,204	11,993	15,535	14,560	0	1,204	42,089
Business Program Total						732	2,363	2,117	2,477	1,340,190	6,000,060	6,831,422	7,895,666	5,151	44,509,857
Industrial Program															
Process & System Upgrades	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monitoring & Targeting	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Manager	Projects	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Retrofit	Projects	13	0	0	0	396	0	0	0	3,704,027	0	0	0	596	14,816,107
Demand Response 3	Facilities	0	0	22	22	0	0	3,376	3,686	0	0	81,439	0	3,686	81,439
Industrial Program Total						396	0	3,576	3,686	3,704,027	0	81,439	0	4,282	14,897,546
Home Assistance Program															
Home Assistance Program	Homes	0	0	0	52	0	0	0	1	0	0	0	20,414	1	20,414
Home Assistance Program Total						0	0	0	1	0	0	0	20,414	1	20,414
Aboriginal Program															
Home Assistance Program	Homes	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Direct Install Lighting	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aboriginal Program Total						0	0	0	0	0	0	0	0	0	0
Drs. 2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	52	0	0	0	1,583	0	0	0	7,431,466	0	0	0	1,383	29,723,863
High Performance New Construction	Projects	4	0	0	0	62	1	0	0	317,091	983	0	0	63	1,271,313
Toronto Comprehensive	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Multifamily Energy Efficiency Rebates	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0			0	0	_	0	-		
Pre-2011 Programs completed in 2011 Tot	Projects	0	0	U			0	0	0		983		0	0	0
Pre-2011 Programs completed in 2011 Tot	ai					1,447	1	0	9	7,748,356	983	0	0	1,448	30,997,176
Other															
Program Enabled Savings	Projects	0	6	1	0	0	2,304	16	0	0	1,168,562	96,000	0	2,320	3,757,086
Time-of-Use Savings	Homes	0	0	0	n/a	0	0	0	688	0	0	0	0	OSS	0
	Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LDC Pilots						0	2,504	16	SEE	0	1,188,562	95,000	0	3,008	3,757,086
				_			104	0	119		883,018	0	449,226	221	5,321,576
LDC Pilots	1														
LDC Pilots Other Total								54	2,649			257,548	1,127,247	2,702	4,153,844
LDC Pilots Other Total Adjustments to 2011 Verified Results								54	2,649 1,339			257,548	1,127,247 7,160,336	2,702 1,339	4,153,844 14,324,462
LDC Paots Other Total Adjustments to 2011 Verified Results Adjustments to 2012 Verified Results Adjustments to 2013 Verified Results						3.000	1,000		1,339	14 504 170	E 050 057		7,160,336	1,539	14,324,462
LDC Plots Other Total Adjustments to 2011 Verified Results Adjustments to 2012 Verified Results Adjustments to 2013 Verified Results Energy Efficiency Total						2,985	3,894	1,396	1,339 2,430	14,594,170	8,050,082	7,748,276	7,160,336 10,053,733	1,339 10,609	14,324,462 106,947,504
LDC Plots Other Total Adjustments to 2011 Verified Results Adjustments to 2012 Verified Results Adjustments to 2013 Verified Results Energy Efficiency Total Demand Response Total (Scenario 1)						455	1,069	1,396 4,540	1,339 2,430 5,145	11,993	15,535	7,748,276 95,999	7,160,336 10,053,733 0	1,359 10,509 3,143	14,324,462 106,947,304 123,327
LDC Plots Other Total Adjustments to 2011 Verified Results Adjustments to 2012 Verified Results Adjustments to 2013 Verified Results Energy Efficiency Total Demand Response Total (Scenario 1) Adjustments to Previous Years' Verified Re	esults Total					453 0	1,069 104	1,396 4,640 54	1,339 2,430 5,145 4,108	11,993 0	15,555 883,018	7,748,276 95,999 257,548	7,160,336 10,053,733 0 8,736,809	1,539 10,509 5,143 4,263	14,524,462 106,947,504 123,527 23,799,882
LDC Plots Other Total Adjustments to 2011 Verified Results Adjustments to 2012 Verified Results Adjustments to 2013 Verified Results Energy Efficiency Total Demand Response Total (Scenario 1) Adjustments to Previous Years' Verified Re OPA-Contracted LDC Portfolio Total (inc. A	esults Total				Harles of the	453 0 3,419	1,069 104 3,067	1,396 4,540	1,339 2,430 5,145	11,993	15,535	7,748,276 95,999	7,160,336 10,053,733 0 8,736,809 18,790,542	1,559 10,609 5,143 4,263 20,017	14,524,462 106,947,504 123,327 23,799,862 130,870,914
LDC Plots Other Total Adjustments to 2011 Verified Results Adjustments to 2012 Verified Results Adjustments to 2013 Verified Results Energy Efficiency Total Demand Response Total (Scenario 1) Adjustments to Previous Years' Verified Re	esults Total (djustments) for each year represen	it the savings from :	all active facilities	ar devices		453 0	1,069 104 5,067	1,396 4,640 34 6,091	1,339 2,430 5,145 4,108 11,083	11,993 0	15,555 883,018	7,748,276 95,999 257,548	7,160,336 10,053,733 0 8,736,809	1,539 10,509 5,143 4,263	14,524,462 106,947,504 123,527 23,799,882

Table 3-2: Adjustments to 2011 to 2014 Verified Energy (kWh) and Peak Demand (kW) Results

Appliance Exchange Appl HVAC Incentives Equi Conservation Instant Coupon Booklet Item Bi-Annual Retailer Event Item Retailer Co-op Item Residential Demand Response Devi Residential Demand Response (IHD) Devi Residential New Construction Hom Consumer Program Total Business Program Retrofit Proje Direct Install Lighting Proje Building Commissioning Build New Construction Build Small Commercial Demand Response (IHD) Devi Small Commercial Demand Response Devi Small Commercial Demand Response Devi Small Commercial Demand Response Devi Small Commercial Demand Response Proje Business Program Total Industrial Program Process & System Upgrades Proje Monitoring & Targeting Proje Energy Manager Proje Retrofit Proje Retrofit Proje Retrofit Proje Retrofit Proje Retrofit Proje Retrofit Proje Retrofit Proje Retrofit	735 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 69 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2011 0 0 -71 0 1 0 0 -72 1 1 1 0 0 0 0 1 7 0 0 0 0 0 0 0 0 0 0 0	0 0 7 0 0 0 0 0 0 0 7	0 0 15 0 0 0 0 0	2014	0 0 -134,078 2,476 19,614 0 0 0 0	0 0 0 14,803 0 0 0 0 0	0 0 27,299 212 0 0 0	2014	0 0 -48 0 1	2014 0 0 -437,308 10,329 78,456 0 0
Appliance Retirement Appl Appliance Exchange Appl Appliance Exchange Appl HVAC Incentives Equi Conservation Instant Coupon Booklet Item Bi-Annual Retailer Event Item Retailer Co-op Item Residential Demand Response Devi Residential Demand Response (IHD) Devi Residential New Construction Hom Consumer Program Total Business Program Retrofit Proje Direct Install Lighting Proje Building Commissioning Build Small Commercial Demand Response (IHD) Devi Small Commercial Demand Response Devi Small Commercial Demand Response Devi Small Commercial Demand Response Program Demand Response 3 Facil Business Program Total Industrial Program Process & System Upgrades Proje Energy Manager Proje Retrofit Proje Retrofit Proje Retrofit Proje Retrofit Proje Retrofit Proje Retrofit Proje Retrofit Proje Retrofit Proje Retrofit Proje Retrofit	ment -244	0 34 0 0 0 0 0 0 0	0 69 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -71 0 1 1 0 0 0 0 0 0 0 0 -70 135	0 7 0 0 0 0	0 15 0 0 0 0 0 0		0 -134,078 2,476 19,614 0 0	0 14,803 0 0 0 0	0 27,299 212 0 0 0		0 -48 0 1	0 -437,308 10,329 78,456 0
Appliance Exchange Appl HVAC Incentives Equi Conservation Instant Coupon Booklet Item Bi-Annual Retailer Event Item Retailer Co-op Item Residential Demand Response Devi Residential Demand Response (IHD) Devi Residential New Construction Hom Consumer Program Total Business Program Retrofit Proje Direct Install Lighting Proje Building Commissioning Build Small Commercial Demand Response (IHD) Devi Small Commercial Demand Response Devi Small Commercial Demand Response Devi Demand Response 3 Facil Business Program Total Industrial Program Process & System Upgrades Proje Energy Manager Proje Retrofit Proje Retrofit Proje Retrofit Program Process Response Program Total Retrofit Program Process Retrofit Proje	ment -244	0 34 0 0 0 0 0 0 0	0 69 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 -71 0 1 1 0 0 0 0 0 0 0 0 -70 135	0 7 0 0 0 0	0 15 0 0 0 0 0 0		0 -134,078 2,476 19,614 0 0	0 14,803 0 0 0 0	0 27,299 212 0 0 0		0 -48 0 1	0 -437,308 10,329 78,456 0
AVAC Incentives Equi Conservation Instant Coupon Booklet Item Bi-Annual Retailer Event Item Retailer Co-op Item Residential Demand Response Devi Residential Demand Response (IHD) Devi Residential New Construction Hom Consumer Program Total Susiness Program Retrofit Proje Direct Install Lighting Proje Building Commissioning Build Sew Construction Build Foreign Audit Audit Small Commercial Demand Response (IHD) Devi Demand Response 3 Business Program Total Business Program Total Business Program Proje Demand Response Proje Business Program Total Business Program Total Business Program Total Business Program Total Business Program Total Business Program Total Business Program Total Business Program Total Business Program Total Business Program Total Business Program Total Business Program Total Business Program Proje Business Program Total Business Program Total	ment -244	34 0 0 0 0 0 0 0 0	69 9 0 0 0 0 0 0	-71 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1	7 0 0 0 0 0	15 0 0 0 0 0 0 0		-134,078 2,476 19,614 0 0	14,803 0 0 0 0 0 0	27,299 212 0 0 0 0		-48 0 1	-437,308 10,329 78,456 0
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Si-Annual Retailer Event Item Retailer Co-op Item Retailer Co-op Item Residential Demand Response Devi Residential Demand Response (IHD) Devi Residential New Construction Hom Consumer Program Total Business Program Retrofit Proj. Building Commissioning Build Rew Construction	735 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 135	0 0 0 0 0 7	0 0 0 0 0		19,614 0 0 0 0	0 0 0 0	0 0 0 0		1 0	78,456 0 0
Retailer Co-op Item Residential Demand Response Devi Residential Demand Response (IHD) Devi Residential New Construction Hom Consumer Program Total Business Program Retrofit Proj. Direct Install Lighting Proj. Building Commissioning Build New Construction Build Finergy Audit Audi Bomall Commercial Demand Response Devi Bomall Commercial Demand Response (IHD) Devi Demand Response 3 Business Program Total Industrial Program Process & System Upgrades Proj. Monitoring & Targeting Proj. Retrofit Proj. Retrofit Proj.	cts 5 cts 27 ings 0 ings 0 ings 0 ings 0 ings 0 ings 0 ings 0 ings 0 ings 0 ings 0 ings 0 ings 0 ings 0 ings 0	0 0 0 0 0 15 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0	0 0 0 0 -70	0 0 0 0 7	0 0 0 0 0		0 0 0	0 0 0	0 0 0		0	0
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Residential Demand Response (IHD) Devi Residential New Construction Residential New Construction Restrofit Project Install Lighting Rew Construction Build Remail Commercial Demand Response Devi Remail Commercial Demand Response (IHD) Remail Commercial Demand Response (IHD) Remail Response 3 Remail Commercial Demand Response (IHD) Remail Response 3 Remail Response 4 Remail Response 5 Remail Rema	es 0 es 0 cts 5 cts 27 ings 0 ings 0 s 0 es 0 es 0	15 0 0 0 0 0 0 0	15 0 0	0 0 -70	0 0 7	0 0 15		0	0	0		0	
Residential New Construction Hom Consumer Program Total Business Program Retrofit Proju Direct Install Lighting Proju Building Commissioning Build New Construction Build Energy Audit Audit Small Commercial Demand Response Devi Demand Response 3 Facil Business Program Total Industrial Program Process & System Upgrades Proju Monitoring & Targeting Proju Energy Manager Proje Retrofit Program Proje Retrofit Program Proje Retrofit Projem Proje Retrofit Projem Proje Retrofit Program Proje Retrofit Projem Projem Retrofit Program Projem Retrofit Projem Projem Retrofit Program Retrofit Program Retrofit Program Retrofit Program Projem Retrofit Program Retrofit Program Retrofit Program Projem Retrofit Program Retrofit Progr	cts 5 cts 27 ings 0 ings 0 s 0 es 0	15 0 0 0 0 3	15 0 0	0 - 70	7	0 15		0	0	0			
Consumer Program Total Business Program Retrofit Proj. Direct Install Lighting Proj. Building Commissioning Build Energy Audit Audi Small Commercial Demand Response Devi Small Commercial Demand Response (IHD) Devi Demand Response 3 Facil Business Program Total Industrial Program Process & System Upgrades Proj. Energy Manager Proj. Energy Manager Proj. Retrofit Program	cts 5 cts 27 ings 0 ing	15 0 0 0 3	15 0 0	-70 135	7	15				-		0	0
Retrofit Project Install Lighting Project Install Lighting Project Install Lighting Project Install Lighting Project Install Lighting Project Install Lighting Project Install Lighting Project Install Commissioning Built Program Install Commercial Demand Response Devisor Install Commercial Demand Response (IHD) Devisor Install Commercial Demand Response (IHD) Devisor Install Program Project Install Program Project Install Program Project Install Program Project Install Insta	cts 27 ings 0 ings 0 ings 0 s 0 es 0 es 0	0 0 0 3 0	0 0 1	135				-111,988	1/1 0/12			0	0
Retrofit Project Direct Install Lighting Project Building Commissioning Build New Construction Build Energy Audit Audi Small Commercial Demand Response Devi Small Commercial Demand Response (IHD) Devi Demand Response 3 Facil Business Program Total Industrial Program Process & System Upgrades Project Energy Manager Project Retrofit Project	cts 27 ings 0 ings 0 ings 0 s 0 es 0 es 0	0 0 0 3 0	0 0 1		38			.,	14,003	27,511		-47	-348,523
Direct Install Lighting Proje Building Commissioning Build New Construction Build Energy Audit Audi Small Commercial Demand Response Devi Small Commercial Demand Response (IHD) Devi Demand Response 3 Facil Business Program Total Industrial Program Process & System Upgrades Proje Energy Manager Proje Retrofit Proje Retrofit Proje	cts 27 ings 0 ings 0 ings 0 s 0 es 0 es 0	0 0 0 3 0	0 0 1		38								
Building Commissioning Building Commissioning Building Commissioning Build New Construction Build Small Commercial Demand Response Devisor Small Commercial Demand Response (IHD) Devisor Demand Response 3 Facil Business Program Total Industrial Program Process & System Upgrades Projectoring & Targeting Projectory Manager Projectoring Retrofit Projectoring Retrofit Projectoring Retrofit Projectoring Retrofit Projectoring Retrofit Projectoring Retrofit Projectoring Retrofit Projectoring Retrofit Retrofit Retrofit Retrofit Retrofice Retrofit Retrofice Retrofit Retrofice Retrofit Retrofice Retr	ings 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 3 0	0 1			282		1,002,941	283,829	1,402,288		454	7,663,497
New Construction Build Energy Audit Audit Small Commercial Demand Response Devi Small Commercial Demand Response (IHD) Devi Demand Response 3 Facil Business Program Total Industrial Program Process & System Upgrades Proju Monitoring & Targeting Proju Energy Manager Proje Retrofit Projects	ings 0 0 s 0 es 0 es 0	0 3 0	1	40	0	0		92,924	0	0		38	364,297
Energy Audit Audi Small Commercial Demand Response Devi Small Commercial Demand Response (IHD) Devi Demand Response 3 Facil Business Program Total Industrial Program Process & System Upgrades Proje Monitoring & Targeting Proje Energy Manager Proje Retrofit Proje	s 0 es 0 es 0	3 0		 0	0	0		0	0	0		0	0
Small Commercial Demand Response Devi Small Commercial Demand Response (IHD) Devi Demand Response 3 Facil Business Program Total Industrial Program Process & System Upgrades Proje Monitoring & Targeting Proje Energy Manager Proje Retrofit Dewards Proje	es 0 es 0	0		 0	0	2		0	0	2,845		2	5,690
Small Commercial Demand Response (IHD) Demand Response 3 Business Program Total Industrial Program Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Proje	es 0		118	 0	19	1,041		0	91,756	5,721,015		1,059	11,717,297
Demand Response 3 Facil Business Program Total Industrial Program Process & System Upgrades Proje Monitoring & Targeting Proje Energy Manager Proje Retrofit Proje			0	 0	0	0		0	0	0		0	0
Business Program Total Industrial Program Process & System Upgrades Proje Monitoring & Targeting Proje Energy Manager Proje Retrofit Proje	ties 0	0	0	 0	0	0		0	0	0		0	0
Industrial Program Project Process & System Upgrades Project Monitoring & Targeting Project Energy Manager Project Retrofit Project		0	0	0	0	0		0	0	0		0	0
Process & System Upgrades Project Monitoring & Targeting Project Energy Manager Project Retrofit Project				176	56	1,325		1,095,865	375,585	7,126,148		1,553	19,750,782
Monitoring & Targeting Proje Energy Manager Proje Retrofit Proje													
Energy Manager Proje Retrofit Proje	cts 0	0	0	 0	0	0		0	0	0		0	0
Retrofit Proje		0	0	 0	0	0		0	0	0		0	0
		0	1	 0	0	0		0	0	10,468		0	20,935
Demand Response 3 Facil	cts 0	0	0	0	0	0		0	0	0		0	0
	ties 0	0	0	0	0	0		0	0	0		0	0
Industrial Program Total				0	0	0		0	0	10,468		0	20,935
Home Assistance Program									•		:		
Home Assistance Program Hom	es 0	0	0	0	0	0		0	0	0		0	0
Home Assistance Program Total				0	0	0		0	0	0		0	0
Aboriginal Program		<u>.</u>	 										
Home Assistance Program Hom	25 0	0	0	 0	0	0		0	0	0		0	0
Direct Install Lighting Proje	cts 0	0	0	0	0	0		0	0	0		0	0
Aboriginal Program Total				0	0	0		0	0	0		0	0
Pre-2011 Programs completed in 2011													
Electricity Retrofit Incentive Program Proje	cts 0	0	0	0	0	0		0	0	0		0	0
High Performance New Construction Proje	cts 0	0	0	-1	0	0		-100,859	0	0		-1	-403,438
Toronto Comprehensive Proje	cts 0	0	0	0	0	0		0	0	0		0	0
Multifamily Energy Efficiency Rebates Proje	cts 0	0	0	 0	0	0		0	0	0		0	0
LDC Custom Programs Proje		0	0	 0	0	0		0	0	0		0	0
Pre-2011 Programs completed in 2011 Total				-1	0	0	İ	-100,859	0	0	İ	-1	-403,438
Other													,
Program Enabled Savings Proje	cts 1	2	0	119	2,639	0	1	449,226	994,407	0	1	2,758	4,780,126
		0	0	 0	2,655	0		0	0	0		0	4,760,126
				 								 	
LDC Pilots Proje	cts 0	0	0	119	0 2,639	0		0	9 94,407	0		0	0
Other Total					2,059	U		449,226	534,407	U		2,758	4,780,126
Adjustments to 2011 Verified Results				224				1,332,244				221	5,321,576
Adjustments to 2012 Verified Results					2,703				1,384,795			2,702	4,153,844
Adjustments to 2013 Verified Results						1,340				7,164,126	_	1,339	14,324,462
Total Adjustments to Previous Years' Verified Results Activity and savings for Demand Response resources for e-			ars' results shown	 224	2,703	1,340		1,332,244	1,384,795	7,164,126	_	4,263	23,799,882

Guelph Hydro Electric Systems Inc. EB-2018-0036 Application Appendix 3 Filed: August 9, 2018

Table 3-3: 2011 Verified Persistence

Por	tfolio	Program	Initiative	LDC	Sector	Conservation Resource Type	(Implementation) Year	Status	Notes:	Activity Unit Name	Activity/P Gro articipati Sumr on Pea (i.e. # of Demo	imer ak Gross Ene	rgy Savings 20	011 2012	2013 2014	2015 2016 2	2017 2018	2019 2020 :	2021 2022 2	023 2024 2	025 2026	2027 2028	2029 2030	2040	2011	2012	2013 20	14 2015	2016	2017 20	18 2019	2020	2021 202	2 2023	2024 2025	2026 20	27 2028 2	2029 2030
											s) (MV	w)																										
Tier	1 Consumer		Appliance Exchange	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	Final; Released August 31, 2012		Appliances	24 (0.00	6 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 0.00	0.00 0.00	0.00 0.00	(0.00 3.3	3.33	3.33	2.10 0.0	0.00	0.00	0.00 0.0	0.00	0.00	0.00	0.00 0.0	0 0.00 0	0.00 0.00	0.00 0.00
Tier	1 Consumer		Appliance Retirement	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	Final; Released August 31, 2012		Appliances	794 (0.09	656 0	0.04 0.04	0.04 0.04	0.03 0.00	0.00 0.00	0.00 0.00	0.00 0.00 (0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	(0.00 312.7	312.75	312.75 31	2.24 221.9	96 0.00	0.00	0.00 0.0	0.00	0.00	0.00	0.00 0.0	0 0.00	0.00	0.00 0.00
Tier	1 Consumer		Bi-Annual Retailer Event	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	Final; Released August 31, 2012		Products	7,818	0.01	242 0	0.02 0.02	0.02 0.02	0.01 0.01	0.01 0.01	0.01 0.01	0.00 0.00 0	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	(0.00 264.0	264.00	264.00 26	4.00 241.2	27 216.45	163.19 1	2.59 210.1	4 67.43	24.28 2	1.37 21.37	15.78 15.7	8 14.34 (0.00	0.00 0.00
Tier	1 Consumer		Conservation Instant Coupon Booklet	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	Final; Released August 31, 2012		Products	4,560	0.01	156 0	0.01 0.01	0.01 0.01	0.01 0.01	0.01 0.01	0.01 0.01	0.00 0.00 (0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	(0.00 171.7	171.75	171.75 17	1.75 158.1	14 143.28	112.05 1	1.35 139.8	1 54.37	17.18 14	1.07 14.07	12.96 12.9	6 12.60 (0.00	0.00 0.00
Tier	1 Consumer		HVAC Incentives	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	Final; Released August 31, 2012		Installations	1,460	0.75	1,444 0	0.45 0.45	0.45 0.45	0.45 0.45	0.45 0.45	0.45 0.45	0.45 0.45 (0.45 0.45	0.45 0.45	0.45 0.45	0.40 0.00	(0.00 861.5	861.57	861.57 86	1.57 861.5	57 861.57	861.57 8	1.57 861.5	7 861.57	861.57 86:	1.57 861.57	861.57 861.5	7 861.57 863	.57 861.57 8	13.24 0.00
Tier	1 Consumer		Residential Demand Response	Guelph Hydro Electric Systems Inc.	Residential	DR	2011	Final; Released August 31, 2012	New participants during the peaksaver extension period + Continuing participants that have signed a peaksaver PLUS	Devices	222	0.12	0 0	0.12 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	(0.00 0.0	0.00	0.00	0.00 0.0	0.00	0.00	0.00 0.0	0.00	0.00	0.00	0.00 0.0	0 0.00	0.00 0.00	0.00 0.00
Tier	1 Consumer		Retailer Co-op	Guelph Hydro Electric Systems Inc.	Residential	EE	2011	Final; Released August 31, 2012	Custom retailer initiative; Not evaluated	Products	0 (0.00	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	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	(0.00	0.00	0.00	0.00 0.0	0.00	0.00	0.00 0.0	0.00	0.00	0.00	0.00 0.0	0 0.00	0.00	0.00 0.00
Tier	1 Business		Commercial Demand Response (Residential program)	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	DR	2011	Final; Released August 31, 2012	New participants during the peaksaver extension period + Continuing participants that have signed a peaksaver PLUS	Devices	3 (0.00	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 0.00	0.00 0.00	0.00 0.00	(0.00 0.0	0.00	0.00	0.00 0.0	0.00	0.00	0.00 0.0	0.00	0.00	0.00	0.00 0.0	0 0.00	0.00 0.00	0.00 0.00
Tier	1 Business		Demand Response 3 (Industrial program)	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	DR	2011	Final; Released August 31, 2012	Gross reflects contracted MW and Net reflects Ex ante MW	Facilities	5 (0.41	12 0	0.31 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00 0	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	(0.00 11.9	0.00	0.00	0.00 0.0	0.00	0.00	0.00 0.0	0.00	0.00	0.00	0.00 0.0	0 0.00	0.00	0.00 0.00
Tier	1 Business		Direct Install Lighting	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	EE	2011	Final; Released August 31, 2012		Projects	198	0.29	839 0	0.31 0.31	0.31 0.26	0.26 0.26	0.09 0.09	0.09 0.09	0.08 0.08 0	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	(0.00 778.9	778.99	766.80 61	5.13 615.1	13 615.13	217.88 2	6.08 216.0	8 216.08	200.95 200	0.00	0.00 0.0	0 0.00	0.00	0.00 0.00
Tier	1 Business		Retrofit	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	EE	2011	Final; Released August 31, 2012		Projects	21 (0.15	722 0	0.11 0.11	0.11 0.11	0.11 0.11	0.11 0.11	0.07 0.07	0.07 0.01 0	0.01 0.01	0.01 0.01	0.00 0.00	0.00 0.00	(0.00 549.2	549.20	549.20 54	9.20 549.2	20 549.20	549.20 5	9.20 401.6	0 401.60	401.60 5:	1.69 51.69	51.69 51.6	9 51.69 0	0.00	0.00 0.00
Tier	1 Industrial		Demand Response 3	Guelph Hydro Electric Systems Inc.	Industrial	DR	2011	Final; Released August 31, 2012	Gross reflects contracted MW and Net reflects Ex ante MW	Facilities	0 (0.00	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	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	(0.00	0.00	0.00	0.00 0.0	0.00	0.00	0.00 0.0	0.00	0.00	0.00	0.00 0.0	0 0.00	0.00	0.00 0.00
Tier	1 Industrial		Retrofit	Guelph Hydro Electric Systems Inc.	Industrial	EE	2011	Final; Released August 31, 2012		Projects	13 (0.84	4,942 0	0.60 0.60	0.60 0.60	0.60 0.60	0.60 0.60	0.31 0.31	0.31 0.17 (0.17 0.17	0.17 0.17	0.00 0.00	0.00 0.00	(0.00 3,704.0	3,704.03	3,704.03 3,70	4.03 3,704.0	3,704.03	3,704.03 3,7	4.03 1,738.5	1 1,738.51 1	738.51 888	3.42 888.42	888.42 888.4	2 888.42 (0.00	0.00 0.00
Tier	1 Pre-2011	Programs Completed in 2011	Electricity Retrofit Incentive Program	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	EE	2011	Final; Released August 31, 2012	Not evaluated; 2010 Evaluation findings used	Projects		2.66	14,283 1	1.39 1.39	1.39 1.39	1.39 1.39	1.39 1.39	1.39 1.39	1.39 1.39	1.39 0.00	0.00 0.00	0.00 0.00	0.00 0.00	(0.00 7,431.4	7,431.47	7,431.47 7,43	1.47 7,431.4	17 7,431.47	7,431.47 7,4	1.47 7,431.4	7,431.47	431.47 7,431	1.47 7,431.47	0.00 0.0	0 0.00	0.00	0.00 0.00
Tier	1 Pre-2011	Programs Completed in 2011	High Performance New Construction	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	EE	2011	Final; Released August 31, 2012	Not evaluated; 2010 Evaluation findings used	Projects	4 (0.12	634 0	0.06 0.06	0.06 0.06	0.06 0.06	0.06 0.06	0.06 0.06	0.06 0.06 0	0.06 0.06	0.06 0.04	0.04 0.04	0.04 0.04	(0.00 317.0	317.09	317.09 31	7.09 317.0	09 317.09	317.09 3	7.09 317.0	9 317.09	317.09 317	7.09 317.09	317.09 317.0	9 189.95 189	9.95 189.95 1	89.95 189.95

Table 3-4: 2012 Verified Persistence

Table is at the	End User Level											Net Annual S	ımmer Peak D	emand Savin	gs (MW)														Net Annua	I Energy Savings	(MWh)									-					-	
Portfolio	Program	Initiative	LDC Sec	tor	nservation source Type	(Implementation) Year	Status	Notes: Activity Ur Name	Activity/Participation (i.e. # of appliances)	Gross Summer Peak Demand Savings (MW)	Gross Energy Savings (MWh)	2011	2012	2013	2014	2015	2016 201	7 20	18 2019	2020	2021	2022	2023 20	24 2025	2026	2027	2028 20	029 2030	2011	2012	2013	2014	2015	2016	2017	1018 2	2019	2020 2	021 20	22 202	3 2024	2025	2026 2	027 202	28 2025	2030
Tier 1	Business	Direct Install Lighting	Guelph Hydro El C&i	ı	EE	2012	Final; Released August 31, 2013	Projects	1	0.165626735	587.5615278	0	0.156242 0.1	56242 0.15	3913 0.144	4593 0.14	14593 0.06241	3 0.0624	0.062413	0.062413	0.062413 0	.061427 0.06	61427	0 0	0	0	0	0 0	0	553.5058 55	3.5058 543	.6617 506.	5913 506	5.5913 215	5.9348 215.	348 215.9	9348 215.	9348 215.9	48 206.29	18 206.2917	3 0	0	0	0	0 (0
Tier 1	Business	Retrofit	Guelph Hydro El C&	ı	EE	2012	Final; Released August 31, 2013	Projects		92 1.388190719	6555.028394	0	1.05506 1.0	48522 1.01	9437 0.841	1847 0.84	11847 0.75305	4 0.7450	0.745065	0.73688	0.629162 0	.622925 0.62	22925 0.3815	33 0.304835	0.304835	0.029362 0.	0.010	0.01037		5028.199	006.77 491	1.772 433	1.063 433	31.063 403	39.117 3990	.373 3990.	.373 3932	2.828 3288.0	i99 3100.	3096.04/	1706.742	1456.171 14	56.171 67.07	108 23.152	23 23.152	23.1523
Tier 1	Business	Energy Audit	Guelph Hydro El C&	ı	EE	2012	Final; Released August 31, 2013	Audits		16 0.082834794	402.8200714	0	0.082835 0.0	82835 0.08	2835 0.082	2835	0	0	0 0	0	0	0	0	0 0	0	0	0	0 0	0	402.8201 40	2.8201 402	.8201 402.	8201	0	0	0	0	0	0	0 (0	0	0	0	0 (0
Tier 1	Consumer	Appliance Exchange	Guelph Hydro El Res	sidential	EE	2012	Final; Released August 31, 2013	Appliances	5 21.449572	88 0.006154475	10.94087235	0	0.003172 0.0	0.00	3172 0.003	3153	0	0	0 0	0	0	0	0	0 0	0	0	0	0 0	0	5.638544 5.	538544 5.6	38544 5.62	1466	0	0	0	0	0	0	0 (0	0	0	0	0 (. 0
Tier 1	Consumer	Appliance Retirement	Guelph Hydro El Res	sidential	EE	2012	Final; Released August 31, 2013	Appliances	425.973	0.049437486	361.7420046	0	0.022817 0.0	22817 0.02	2817 0.022	2817 0.01	13667	0	0 0	0	0	0	0	0 0	0	0	0	0 0	0	167.6432 16	7.6432 167	.6432 167.	6432 103	3.9472	0	0	0	0	0	0 (0	0	0	0	0 (. 0
Tier 1	Consumer	Bi-Annual Retailer Event	Guelph Hydro El Res	sidential	EE	2012	Final; Released August 31, 2013	Products	9530.3502	0.014572888	262.5095536	0	0.013295 0.0	13295 0.01	3295 0.013	3295 0.01	12169 0.01029	8 0.0077	0.007681	0.007681	0.004954 0	.001938 0.00	0.0019	38 0.001905	0.001905	0.001857 0.0	0.0005	521 0.000521		240.5868 24	0.5868 240	.5868 240.	5868 216	5.2722 175	5.8602 119.	119.7	7054 119.	7054 60.80	21 45.122	43 43.7201	43.7201	40.66779 40	.66779 40.11	147 11.2545	51 11.2545!	11.25451
Tier 1	Consumer	Conservation Instant Coupon Booklet	Guelph Hydro El Res	sidential	EE	2012	Final; Released August 31, 2013	Products	277.50074	98 0.002074235	11.91089322	2 0	0.00207 0.	00207 0.0	0.00	0207 0.00	0.00206	1 0.0017	0.001754	0.001754	0.001754	3.23E-05 3.2	2E-05 3.22E-	05 3.11E-05	3.11E-05	2.9E-05	0	0 0	0	12.56041 12	.56041 12.	56041 12.5	6041 12.3	37171 12.	.37171 5.82	798 5.793	3645 5.79	3645 5.793	i45 0.9409	77 0.757819	0.757819	0.651233 0.	551233 0.627	141	0 (. 0
Tier 1	Consumer	HVAC Incentives	Guelph Hydro El Res	sidential	EE	2012	Final; Released August 31, 2013	Installation	ns 1059.1657	0.512230999	919.7241184	0	0.253104 0.2	53104 0.25	3104 0.253	3104 0.25	53104 0.25310	4 0.2531	0.253104	0.253104	0.253104 0	.253104 0.25	53104 0.2531	0.253104	0.253104	0.253104 0.2	53104 0.2531	104 0.21564		449.7827 44	9.7827 449	.7827 449.	7827 449	9.7827 449	9.7827 449.	827 449.7	7827 449.	7827 449.7	27 449.78	27 449.782	7 449.7827	449.7827 44	9.7827 449.7	827 449.782	.27 449.7827	416.28
Tier 1	Pre-2011 Programs Completed in 2011	High Performance New Construction	Guelph Hydro El C&	ı	EE	2012	Final; Released August 31, 2013	Projects Projects	0.0089832	0.001015109	0.983474126	0	0.001015 0.0	01015 0.00	1015 0.001	1015 0.00	0.00101	5 0.0010	0.001015	0.001015	0.001015 0	.001015 0.00	01015	0 0	0	0	0	0 0	0	0.983474 0.	983474 0.9	83474 0.98	3474 0.98	83474 0.9	983474 0.98	474 0.983	3474 0.98	3474 0.983	74 0.9834	0.983474	0	0	0	0	0 (0
Tier 1	Business	Demand Response 3 (part of the Industria program schedule)	Guelph Hydro El C&i	ı	DR	2012	Final; Released August 31, 2013	Facilities		6 1.068791228	15.53522	2 0	1.068791	0	0	0	0	0	0 0	0	0	0	0	0 0	0	0	0	0 0	0	15.53522	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0 0	0
Tier 1	Other	Program Enabled Savings	Guelph Hydro Electr	ric Systems Inc		2012	Final; Released August 31, 2013			4 2.30	1188.362	2 0	2.304	2.304	2.304 0	0.228	0.228 0.22	8 0.2	0.228	0.228	0.228	0.228	0.228 0.2	28 0.228	0.228	0	0	0 0	0	1188.362 11	88.362 118	8.362 118	8.362 118	88.362 118	88.362 1188	362 1188.	.362 1188	3.362 1188.	62 1188.3	1188.362	1188.362	1188.362 11	88.362	0	0 (. 0
Tier 1 True U	Business	Retrofit	Guelph Hydro El C&	1	EE	2011	Final; Released August 31, 2013	Projects		5 0.1900999	1304.130296	0.135346	0.135346 0.1	35346 0.13	5346 0.135	5346 0.13	35346 0.12794	6 0.0454	0.030281	0.030281	0.030281 0	.030281 0.01	16858 0.0168	58 0.016858	0.016858	0	0	0 0	1002.941	1002.941 10	02.941 100	2.941 100	2.941 100	02.941 947	7.0138 259.	863 201.3	3198 201.	3198 201.3	.98 201.31	98 115.069F	115.0698	115.0698 11	5.0698	0	0 (. 0
Tier 1 True U	Business	Direct Install Lighting	Guelph Hydro El C&	ı	EE	2011	Final; Released August 31, 2013	Projects		0.043463012	100.0753103	0.040224	0.040224 0.0	40224 0.03	7575 0.037	7575 0.03	37575 0.00639	4 0.0063	0.006394	0.006394	0.006332 0	.006332	0	0 0	0	0	0	0 0	92.92384	92.92384 92	.92384 85.	52541 85.5	2541 85.5	52541 14.	.96975 14.9	975 14.96	5975 14.9	6975 14.56	14.560	84 (0	0	0	0	0 (0
Tier 1 True U	Pre-2011 Programs Completed in 2011	High Performance New Construction	Guelph Hydro El C&	ı	EE	2011	Final; Released August 31, 2013	Buildings	-0.0147980	-0.001966663	-201.7187824	-0.000983	0.000983 -0.0	00983 -0.00	-0.000	0.00	0.00098	3 -0.0009	-0.000983	-0.000983	-0.000983 -0	.000983 -0.00	00983 -0.0009	83 -0.000983	0	0	0	0 0	-100.8594	-100.8594 -10	0.8594 -100	.8594 -100	8594 -100	0.8594 -100	0.8594 -100.	-100.8	3594 -100.	8594 -100.8	94 -100.85	94 -100.859/	-100.8594	-100.8594	0	0	0 (. 0
Tier 1 True U	Consumer	HVAC Incentives	Guelph Hydro El Res	sidential	EE	2011	Final; Released August 31, 2013	Installation	ns -244.00040	97 -0.071274782	-0.071274782	-0.071275	0.071275 -0.0	71275 -0.07	1275 -0.071	1275 -0.07	71275 -0.07127	5 -0.0712	75 -0.071275	-0.071275	-0.071275 -0	.071275 -0.07	71275 -0.0712	75 -0.071275	-0.071275 -0	0.071275 -0.0	71275 -0.0605	547 (-134.0785	-134.0785 -13	4.0785 -134	.0785 -134.	.0785 -134	1.0785 -134	4.0785 -134.0	785 -134.0	0785 -134.	0785 -134.0	85 -134.07	85 -134.0785	-134.0785	-134.0785 -13	4.0785 -134.0	785 -134.078	785 -124.502	. 0
Tier 1 True U	Consumer	Bi-Annual Retailer Event	Guelph Hydro El Res	sidential	EE	2011	Final; Released August 31, 2013	Products	734.98360	48 0.001047533	21.32282033	0.000969	0.000969 0.0	00969 0.00	0.000	0.00	0.00050	6 0.0005	0.000506	0.000159	6.6E-05	6.6E-05 6.	.6E-05 6.3E-	05 6.3E-05	6.28E-05	0	0	0 0	19.61397	19.61397 19	.61397 19.	51397 19.6	1397 17.8	82348 9.6	522703 9.62	9.620	0743 2.1	2241 1.783	1.6373	1.637388	1.35879	1.35879 1.	357156	0	0 (. 0
Tier 1 True U	Consumer	Conservation Instant Coupon Booklet	Guelph Hydro El Res	sidential	EE	2011	Final; Released August 31, 2013	Products	73.806486	39 0.00013120	2.29949467	0.000145	0.000145 0.0	00145 0.00	0.000	0.00	00135 9.42E-0	5 9.4E-	9.4E-05	5.26E-05	6.95E-06	5.94E-06 6.9	4E-06 6.76E-	06 6.76E-06	6.64E-06	0	0	0 0	2.476283	2.476283 2.	476283 2.4	76283 2.47	6283 2.26	62532 1.3	388044 1.38	1.386	5154 0.49	0996 0.221	54 0.1613	0.161349	0.144806	0.144806 0.	143352	0	0 (. 0

Table 3-5: 2013 Verified Persistence

•	Portfolio		Initiative	LDC	Sector	Conserv ation Resourc e Type	Tx Transmi sion) or Dx Distribu tion) connect ed	n n Notes	Activity Unit Name (i	articipa Su tion i i.e. # of De pplianc Sa	ross mmer (Peak Emand Solvings (MW)	Gross Energy avings MWh)	2012 20	13 2014 201	5 2016	2017 201:	8 2019	2020 20	2022 2	2023 2024	4 2025 2	2026 2027	2028	2029 2030	2011	2012	2013	2014 2	015 2	2016 20	17 201	8 2019	2020	2021	2022	2023	2024	2025	2026 2	2027 202	3 2029	9 203	130
LDC		Business Energy A		Guelph Hydro Electric & Co		EE D		2 N/A	Audit	3	0.016			0.016 0.016 0.0												75.529	75.529		75.529														
LDO		Business Energy A		Guelph Hydro Electric & Co		EE D		3 N/A	Audit	1	0.013	73.311		0.009 0.009 0.0	0.009												48.451	48.451	48.451	48.451													
LDC		Business DR-3		Guelph Hydro Electric & Co Guelph Hydro Electric & Co		DR D		3 N/A 2 N/A	Facilities	6	0.040	220 765	1.	064		0.000 0.0	00 0000	0.004 0	000 0000			0.004 0.00		0.000 0.000	0.000	400.000	14.560	100 101	400 400	100 100 10	0.077 45		- 444.400	400.000	447.004	447.004	4.000	4 4 4 5				0.000	0.000
LDC		Business Retrofit Business Retrofit		Guelph Hydro Electric & Co		EE D		2 N/A 3 N/A	Projects	404	0.042 1.375 9		0.032 0.	939 0.938 O.	131 U.U31 138 0.938	0.029 0.0	28 0.028	0.024 0.	.023 0.022 0	0.022 0.00	0.001	0.001 0.00	0.000	0.000 0.000	0.000	169.662	109.002	169.121	163.106	163.106 15 402.307 6.27	0.9// 15	0.715 155.71	5 141.166	133.626	5 853 322	117.034	4.868	4.145	4.145	.788.609 3.866	.134 0.1	.000 (0.000
LDC			usiness Lighting	Guelph Hydro Electric & Co		EE D		3 N/A 3 N/A	Projects Projects	76		383 413		939 0.938 0.1 105 0.105 0.1			89 U.889 67 O.067		.866 0.812 (.057 0.057 (0.744 0.74	44 0.629 43 0.000	0.627 0.62		0.028 0.027 0.000 0.000	0.000	0.000	361.892	361 892	402.307 б, 354.527			2.246 6,232.24 9.248 199.24		199 248		5,437.254 198.871	145 485	1,796.744 4 0.000	4,788.609 4,		0.579 67.4 0.000 0.0	7.461 64 0.000 0	64.632
LDC	-	Consumer Annual C		Cooleb Under Florin	esidential	EE D		Custom loadshapes for some clotheslines, 3 outdoor timers and power bars based on surv results.	,	3,116	0.004	61.466 0.000	0.000 0		0.004				.003 0.003 (0.002 0.00	02 0.002	0.002 0.00	0.002	0.002 0.001	0.000	0.000	69.239	69.239	66.571			6.399 56.39				37.259	36.728	36.728	36.577			5.417 20	
LDC	-	Consumer Applianc	re Evchange	Guelph Hydro Electric & Re	esidential	FF D	ly 201	3 Dehumidifier Load Shape	Appliances	54	0.021	37.903	0	011 0.011 0.0	11 0.011	0.000 0.0	00 0.000	0.000 0.	.000 0.000 0	0.000 0.00	0.000	0.000 0.00	0.000	0.000 0.000			19.950	19 950	19 950	19.950	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1000 0	0.000	0.000
IDO			ce Retirement	Guelph Hydro Electric § Re		FF D		3 N/A	Appliances	208		188.044				0.007 0.0					0.000			0.000 0.000			88.206	88 206	88 206	87 899 5	0.376	0.000 0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000 0.0	0.000	0.000
LDC	3			Guelph Hydro Electric Re		EE D		Custom loadshapes for some clotheslines, 3 outdoor timers and power bars based on surv results.		8,487	0.010	147.697 0.000	0.000 0	011 0.011 0.0	0.008				.007 0.007 (0.005 0.00		0.003 0.00	0.003	0.003 0.002	0.000	0.000	154.331	154.331	145.032	113.298 11	3.298 11	3.298 113.29	8 113.164	95.165	95.165	82.808	53.238	53.238	50.428	50.428 50		3.217 25	25.367
LDO		Consumer HVAC		Guelph Hydro Electric & Re		EE D		3 Blended Load Shape used for furnaces	Equipment	1,310	0.595 1	,058.632	0.	287 0.287 0.3	87 0.287	0.287 0.2	87 0.287	0.287 0.	.287 0.287 (0.287 0.28	87 0.287	0.287 0.28		0.287 0.287			503.633	503.633	503.633	503.633 50	3.633 50	3.633 503.63	3 503.633	503.633	503.633	503.633	503.633	503.633	503.633	503.633 503		3.633 503	.03.633
LDO		Consumer HVAC		Guelph Hydro Electric & Re		EE D		2 Blended Load Shape used for furnaces	Equipment	28	0.014	25.196	0.006 0.	0.006 0.006 0.0	0.006	0.006 0.0	0.006	0.006 0.	.006 0.006 0	0.006 0.00	0.006	0.006 0.00	0.006	0.006 0.006		12.283	12.283	12.283	12.283	12.283 1	2.283 1	2.283 12.28	3 12.283	12.283	12.283	12.283	12.283	12.283	12.283	12.283 12	2.283 12.2	2.283 11	11.588
LDO		Industrial DR-3		Guelph Hydro Electric §Ind		DR D		3 N/A	Facilities	22			3.	576													81.439																
LDC				Guelph Hydro Electric S Oth		EE D		3 N/A 3 N/A		1	0.016	96.000 0.000	0.000 0.	J16 U.016 O.I	0.016	0.016 0.0	16 0.016	0.016 0.	.016 0.016 (0.016 0.01	16 0.016	0.016 0.01	U.000	0.000 0.000	U.000	0.000	96.000	96.000	96.000	96.000 9	6.000 9	ь.uuu 96.00	U 96.000	96.000	96.000	96.000	96.000	96.000	96.000	96.000 (.000 0.0	.000 (0.000
LDC		Consumer Applianc Consumer HVAC	ce Retirement	Guelph Hydro Electric & Re Guelph Hydro Electric & Re		EE D		3 N/A 2 Blended Load Shape used for furnaces	Appliances Equipment	0	0	0 (. 0	0 0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0 0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	U	0	U	0
LDC	_	Consumer HVAC		Gueipii nyuro Electric ake	Ssideritial	EE D	X 201	2 Bierided Load Stiape used for furnaces	Equipment	U	U	0 (0 0	0 0	U	0 0	U	0 0	U	0 0	U	0 0	0 0	U	U	U	U	U	U	U	U	0 0	U	U	U	U	U	U	U	U	U	U

Table 3-6: 2014 Verified Persistence

			Tx																																	
			(Transmi			Activity/	Gross																													4
			Conserv ssion) or (Imple	m	Activity Unit	Participa	Summer Gross																													4
Portfolio Program	Initiative	LDC Sector	ation Dx entatio	on) Notes		(i.e. # of	Peak Energy Demand Savings	2011 20	12 2013	2014	2015	2016 201	7 2018	2019	2020 2021	2022	2023	2024 202	5 2026	2027	2028 2029	2030	2011	2012 2013	2014 2019	2016	2017 2	018 201	9 2020	2021	2022 2023	2024	2025 2026	2027 2028	2029	2030
			e Type tion) Year	1	Name	applianc	Savings (MWh)																													4
			connect			es)	(MW)																													4
			ed																																	/
LDC Business	Direct Install Lighting	Guelph Hydro E Commercial		014 n/a	Projects		107.8756817 384907.439						0.0660	75 0.066075	0.066075 0.0660	0.066075	0.066075	0.065635 0.024	452 0	0	0 0	0	0				4 245.9842809 245.	842809 245.98	2809 245.9842	809 245.984280	09 245.9842809 245.98428	9 241.9266179	80.35439699	0 0	0	0 0
LDC Business	Energy Audit	Guelph Hydro E Commercial		012 n/a	Audit	1	0.517398818 7686.53786			17 0.000517			0	0 0	0	0 0	0	0	0 0	0	0 0	0	0	2.562179288 2.562179288			0 0	0	0	0	0 0	0 0	0	0 0	0	0 0
LDC Business	Energy Audit	Guelph Hydro E Commercial		012 n/a	Audit	1	2.759460361 40994.8686		2759 0.0027				0	0 0	0	0 0	0	0	0 0	0	0 0	0	0	13.6649562 13.6649562		9562	0 0	0	0	0	0 0	0 0	0	0 0	0	0 0
LDC Business	Energy Audit	Guelph Hydro E Commercial		013 n/a	Audit	1	0.00584503 64.2701898			06 5.85E-06 86 1.040586	6 5.85E-06		0	0 0	0	0 0	0	0	0 0	0	0 0	0	0		0.032135095 0.03213	5095 0.0321350	95 0	0	0	0	0 0	0 0	0	0 0	0	0 0
LDC Business	Energy Audit	Guelph Hydro E Commercial		013 n/a	Audit		1040.585555 11441965.0 53 46772206 261094 280	-		0 0.053468		0.053468 0.05	0	0 0	0	0 0	0	0	0 0	0	0 0	0	0	0 5/20.982541	5720.982541 5720.98		2 261 0942802	0	0	0	0 0	0 0	0	0 0	0	0 0
LDC Business	Energy Audit High Performance New Construction	Guelph Hydro E Commercial Guelph Hydro E Commercial		014 n/a 013 n/a	Audit	4	53.46772206 261094.280 1.696128627 5690.29090			0.053468		0.001696 0.00	606 0.0016	0 001606	0.001696 0.0016	0 001606	0.001606	0 001606 0 001	696 0.001696	0.001606	0 0	0	0	0 2045145455	2.845145455 2.84514			145455 2 0451	0 2 045145	455 2 04514545	55 2.845145455 2.8451454	0 0	2 045145455 2 045145	U U	0	0 0
LDC Business	High Performance New Construction	Guelph Hydro E Commercial		014 n/a	_	2	2 020961296 20615 8688			0.001030		0.001030 0.00			0.002021 0.0020			0.002021 0.002			0 002021 0	0	0	0 2.843143433	20 61586889 20 6158						89 20.61586889 20.615868				880	0 0
LDC Business	Retrofit	Guelph Hydro E Commercial		012 n/a	Projects	9	5.07 420105.4			0.002021		0.002021 0.00	0.0020		0.002021 0.0020		0.002021		118 0.00118		0.002021 0.00118	0.00118	0	114.167 114.167					5.636 105		36 102.992 102.9				267 4.2	67 4 267
LDC Business	Retrofit	Guelph Hydro E Commercial		013 n/a	Projects	15	281.5579995 2800786.19		0.000	56 0.281558		0.0000.			0.204099 0.198						0.12252 0.000147	0	0		1398.498279 1398.49						54 973.1723443 806.81916					
LDC Business	Retrofit	Guelph Hydro E Commercial		014 n/a	Projects	103	1106.594668 7229048.02	19 0	0	0 1.106595	5 1.100944	1.100944 1.08	467 1.0787	03 1.078703	1.059043 1.0590	1.020286	0.936998 (0.844218 0.832	304 0.731077	0.703616	0.703616 0.547068	0.034038	0	0 0	7229.048029 7209.22	9549 7209.22954	9 7144.777083 7125	.966004 7125.9	6004 7031.098	455 7031.09845	55 6374.779812 5814.4753	2 4976.207371	4420.227154 3747.508	39 3651.348842 3651.348	842 2861.0627	21 105.2612567
LDC Consumer	Appliance Exchange	Guelph Hydro E Residential		014 Dehumidifier Load Shape	Appliances	67	13.88200464 24752.4718	32 0	0	0 0.013882		0.013882 0.01	3882	0 0	0	0 0	0	0	0 0	0	0 0	0	0	0 0	24.75247182 24.7524		32 24.75247182	0	0	0	0 0	0 0	0	0 0	0	0 0
LDC Consumer	Appliance Retirement	Guelph Hydro E Residential	EE Dx 20	014 n/a	Appliances	3	0.350262892 313.224139	88 0	0	0.00035	0.00035	0.00035	0	0 0	0	0 0	0	0	0 0	0	0 0	0	0	0 0	0.31322414 0.3132	2414 0.313224:	14 0	0	0	0	0 0	0 0	0	0 0	0	0 0
LDC Consumer	Appliance Retirement	Guelph Hydro E Residential	EE Dx 20	014 n/a	Appliances	4	0.707959337 1262.33523	3 0	0	0 0.000708	8 0.000708	0.000708 0.000	708	0 0	0	0 0	0	0	0 0	0	0 0	0	0	0 0	1.262335233 1.26233	5233 1.2623352	33 1.262335233	0	0	0	0 0	0 0	0	0 0	0	0 0
LDC Consumer	Appliance Retirement	Guelph Hydro E Residential	EE Dx 20	014 n/a	Appliances	69.03593	4.807480684 34808.8935	52 0		0.004807		0.004807 0.00	1807	0 0	0	0 0	0	0	0 0	0	0 0	0	0	0 0	34.80889352 34.8088		2 34.80889352	0	0	0	0 0	0 0	0	0 0	0	0 0
LDC Consumer	Appliance Retirement	Guelph Hydro E Residential	EE Dx 20	014 n/a	Appliances	123.0898	7.384348918 50245.9190	07 0	0	0 0.007384	4 0.007384	0.007384 0.00	7384 0.0073	84 0	0	0 0	0	0	0 0	0	0 0	0	0	0 0	50.24591907 50.2459	1907 50.245919	07 50.24591907 50.2	591907	0	0	0 0	0 0	0	0 0	0	0 0
				Custom loadshapes for clotheslines,																																
			-	outdoor timers and power bars based or					_						l																					
LDC Consumer	Bi-Annual Retailer Event	Guelph Hydro E Residential	EE Dx 20	014 survey results.	measures	43342.01	72.25604673 1104067.86	52 0	0	0 0.072256	6 0.063072	0.058285 0.05	3285 0.0582	85 0.058285	0.058285 0.0582	42 0.058242	0.054373	0.049482 0.041	916 0.041916	0.041715	0.041715 0.041629	0.033842	0	0 0	1104.067862 957.767	2076 881.52340	2 881.5234072 881.	234072 881.52	881.5234	072 881.141544	46 881.1415446 819.51058	8 796.7203553	673.7133937 673.7133	37 664.0658759 664.0658	759 663.12703	4 539.0787167
				Custom loadshapes for clotheslines, outdoor timers and power bars based or	_	1 1																														
LDC Consumer	Conservation Instant Coupon Booklet	Gueleh Hudro E Beridential	EE Dw 30	outdoor timers and power bars based or outgoor timers and power bars based or outgoor timers and power bars based or	moneuros	9 433473	0 39	12	0 00000	0.000015	0.000014	0.000013 0.00	0.000	13 0 000013	0.000013 0.0000	11 0 000011	0.000000	0,000,000	000	0.000000	0.000009 0.000005	0.000005		0 0.212	0.212	0.201 0.1	4 0.174	0.174	0.174 0	.174 0.14	16 0.146 0.1	9 0.139	0.139 0.:	39 0.139 0.	139 0.0	72 0.072
EDC CONSUME	Conservation instant Coupon Bookiet	Gueipii riyulo E Residentiai	EE DX 20	Custom loadshapes for clotheslines.	illeasures	3.433473	0 22	2 0	0 0.0000	0.000013	0.000014	0.000013 0.00	0.0000	13 0.000013	0.000013 0.0000	0.000011	0.000003	0.000	0.000003	0.000003	0.000003	0.000003	U	0 0.212	0.212	0.1	4 0.174	0.174	0.174 0	.174 0.14	+0 0.140 0.1	0.139	0.139 0	33 0.135 0.	139 0.0	3 0.073
				outdoor timers and power bars based or	n																															
LDC Consumer	Conservation Instant Coupon Booklet	Guelph Hydro E Residential	EE Dx 20	014 survey results.	measures	10100.1	20.40717428 271895.087	72 0	0	0 0.020407	7 0.019232	0.018647 0.01	8647 0.0186	47 0.018647	0.018647 0.017	84 0.01784	0.01578	0.011657 0.011	449 0.011449	0.011427	0.011427 0.011398	0.005196	0	0 0	271.8950872 253.776	5809 244.73709	1 244.7370901 244.	7370901 244.73	0901 244.7370	901 232.233726	3 232.2337263 199.38957	7 184.7106999	180.0903808 180.09038	08 179.0303051 179.0303	051 178.66477	88 79.87016909
LDC Home Assistan	Home Assistance Program	Guelph Hydro E Residential	EE Dx 20	014 n/a	Homes	52	1.3729588 39951.776	69 0	0	0 0.001418	8 0.001373	0.001231 0.00	175 0.0011	35 0.001135	0.001135 0.0011	35 0.000541	0.00041	0.00041 0.00	041 0.00041	0.00041	0.011427 0.011398 0 0	0	0	0 0	20.41402341 19.5377						15 3.497 3.3	5 3.375			0	0 0
																																				1
LDC Consumer	HVAC Incentives	Guelph Hydro E Residential	DR Dx 20	013 Blended Load Shape used for furnaces	Equipment	69	15.43527203 54597.2576	3 0	0 0.0154	0.015435	5 0.015435	0.015435 0.01	435 0.0154	35 0.015435	0.015435 0.0154	35 0.015435	0.015435	0.015435 0.015	435 0.015435	0.015435	0.015435 0.015435	0.015435	0	0 27.29862882	27.29862882 27.2986	2882 27.298628	27.29862882 27.2	862882 27.298	2882 27.29862	882 27.2986288	32 27.29862882 27.298628	27.29862882	27.29862882 27.29862	82 27.29862882 27.29862	882 27.298628	32 27.29862882
LDC Consumer	HVAC Incentives	Guelph Hydro E Residential		012 n/a	Equipment	6	1.406870241 7337.040	0 0.00		0.001407		0.001407 0.00			0.001407 0.0014						0.001407 0.001407		0	2.445680067 2.445680067			7 2.445680067 2.44				57 2.445680067 2.4456800		2.445680067 2.4456800		067 2.4456800	
LDC Consumer	HVAC Incentives	Guelph Hydro E Residential		014 n/a	Equipment	1720	350.7467642 650307.459	2		0 0.350747					0.350747 0.3507			0.350747 0.350			0.350747 0.350747		0	0 0							99 650.3074599 650.30745					
	LDC Program Enabled Savings	Guelph Hydro E Other		011 n/a	Projects	1		0.119475 0.11				0.119475 0.11	9475 0.1194	75 0.119475			0.119475				0.119475 0.119475	0.119475	449.226		449.226 449		16 449.226				26 449.226 449.2 72 994.4072 994.40	449.226	449.226 449.3 994.4072 994.4			
	LDC Program Enabled Savings	Guelph Hydro E Other Guelph Hydro F Other		012 n/a	Projects	2	2638.8 2983221. 688.4239662	.6 0 2.		0 0 688424		2.6388 2.0	388 2.63	2.6388	2.6388 2.63	88 0.1683	0.1683	0.1683 0.1	683 0.1683	0.1683	0.1683 0.1683	0.1683	0	994.4072 994.4072	994.4072 994.	4072 994.40	2 994.4072 9	94.4072 994	.4072 994.4	072 994.407	72 994.4072 994.40	994.4072	994.4072 994.4	72 994.4072 994.4	072 994.40	2 994.4072
	Time-of-Use Savings	occupant a contra			n/a		688.4239662	0 0		0 0.688424	4 0	0	0	0 0	0	0 0	0	0	0 0	- 0	0 0	0	0	0 0	0	0	0 0	0	0	0	0 0	0 0	0	0 0	0	0 0
Tier 1 Business Tier 1 Business	Demand Response 3 Commercial Demand Response	Guelph Hydro E Commercial Guelph Hydro E Commercial		014 n/a 009 n/a	Facilities Devices	1 2		0		0 0.001684	4 0	0	0	0 0	0	0 0	0	0	0 0	0	0 0	0	0	0 0	0	0	0 0	0	0	0	0 0	0 0	0	0 0	0	0 0
Tier 1 Business	Commercial Demand Response	Guelph Hydro E Commercial		011 n/a	Devices	3		0		0 0.001684	4 0	0	0	0 0	0	0 0	0	0	0 0	0	0 0	0	0	0 0	0	0	0 0	0	0	0	0 0	0 0	0	0 0	0	0 0
Tier 1 Consumer	Residential Demand Response	Guelph Hydro E Residential		007 n/a	Devices	9		0		0 0.001084		0	0	0 0	0	0 0	0	0	0 0	n	o n	0	n	0 0	Ö	ő	0 0	ő	ŏ	ő	0 0	0 0	0	0 0	ő	0 0
Tier 1 Consumer	Residential Demand Response	Guelph Hydro E Residential		008 n/a	Devices	63		0		0 0.022134	4 0	0	0	0 0	0	0 0	0	ő	0 0	0	0 0	0	0	0 0	Ö	0	0 0	ō	ō	0	0 0	0 0	0	0 0	o	0 0
Tier 1 Consumer	Residential Demand Response	Guelph Hydro E Residential		009 n/a	Devices	94		0	0	0 0.033026	6 0	0	0	0 0	0	0 0	0	0	0 0	0	0 0	0	0	0 0	0	0	0 0	0	0	0	0 0	0 0	0	0 0	0	0 0
	Residential Demand Response	Guelph Hydro E Residential		010 n/a	Devices	228		0	0	0 0.080106	6 0	0	0	0 0	0	0 0	0	0	0 0	0	0 0	0	0	0 0	0	0	0 0	0	0	0	0 0	0 0	0	0 0	0	0 0
Tier 1 Consumer	Residential Demand Response	Guelph Hydro E Residential	DR Dx 20	011 n/a	Devices	151		0	0	0 0.053052	2 0	0	0	0 0	0	0 0	0	0	0 0	0	0 0	0	0	0 0	0	0	0 0	0	0	0	0 0	0 0	0	0 0	0	0 0
Tier 1 Consumer	Residential Demand Response	Guelph Hydro E Residential	DR Dx 20	014 n/a	Devices	172		0	0	0.060008	В 0	0	0	0 0	0	0 0	0	0	0 0	0	0 0	0	0	0 0	0	0	0 0	0	0	0	0 0	0 0	0	0 0	0	0 0
	Demand Response 3	Guelph Hydro E Industrial		014 n/a	Facilities	22		0	0	0 3.686434	4 0	0	0	0 0	0	0 0	0	0	0 0	0	0 0	0	0	0 0	0	0	0 0	0	0	0	0 0	0 0	0	0 0	0	0 0
Tier 1 Industrial		Guelph Hydro E Industrial		012 n/a		0	0	0 0	0	0 0	0 0	0	0	0 0	0	0 0	0	0	0 0	0	0 0	0	0	0 0	0	0	0 0	0	0	0	0 0	0 0	0	0 0	0	0 0
Tier 1 Industrial	Energy Managers	Guelph Hydro E Industrial	EE Dx 20	013 n/a		1	0.177498 20935.3846	52 0	0 0.0001	77 0.000177	7 0.000177	0	0	0 0	0	0 0	0	0	0 0	0	0 0	0	0	0 10.46769231	10.46769231 10.4676	9231	0 0	0	0	0	0 0	0 0	0	0 0	0	0 0

Table 3-7: 2015 & 2016 (including Adjustments) and 2017 Verified Energy (kWh) and Peak Demand (kW) Results

Progress Report	Net Increme		ear Energy Sa	avings									Year Peak [Demand	Savings				
For: Guelph Hydro Electric Systems Inc. # Programs	Verified (kWh	2016	2017	Total	2016	2017	Total	2017	Total		Verified (I	2016	2017	Total	2016	2017	Total	2017	Total
	Verified 2015 Results	Verified 2015 Results	Verified 2015 Results	Verified 2015 Results	Verified 2016 Results	Verified 2016 Results	Verified 2016 Results	Verified 2017 Results			Verified 2015 Results	Verified 2015 Results	Verified 2015 Results	Verified 2015 Results	Verified 2016 Results	Verified 2016 Results	Verified 2016 Results	Verified 2017 Results	
	nesuits	Adjustments	Adjustments	Nesures	Results	Adjustments	Resures	Resurts		Н	Results	Adjustments		Results	nesuits	Adjustments	Results	Nesurts	
2015-2020 Conservation First Framework Programs Residential Province-Wide Programs 1 Save on Energy Coupon Program	734,476	84,221	-	010 607	3,738,398	409,378	4,147,776	4,196,635	9,163,108		47	5	-	52	243	26	269	299	620
2 Save on Energy Heating & Cooling Program 3 Save on Energy Heating & Cooling Program	240,796	35,577	-	-	1,333,152	9,758	1,342,910	3,777,549 956,804	3,777,549 2,576,087		- 124	- 18	-	- 142	-	- 3	- 395	259 259 274	259 811
4 Save on Energy New Construction Program 5 Save on Energy Home Assistance Program	-	30,500	-	30,500		-	-	145,140	30,500 145,140		-	6	-	- 6	-	-	-	- 24	6 24
Sub-total: Residential Province-Wide Programs Business Province-Wide Programs	975,272	150,298	-	1,125,570	5,071,550	419,136	5,490,686	9,076,128	15,692,384	Ш	171	29	-	200	635	29	664	856	1,720
6 Save on Energy Audit Funding Program 7 Save on Energy Retrofit Program	-	674,627	1,112,497	1,787,124	3,301,403	3,927,327	7,228,730	18,742,234	27,758,088		-	133	265	- 398	- 558	587	- 1,145	2,946	4,489
8 Save on Energy Small Business Lighting Program 9 Save on Energy High Performance New Construction Program	-	- 122,249	- 3,647	- 125,896	-	- 244,106	- 342,664	- 72,721	541,281		-	- 14	-	- 14	-	- 46	- 66	- 16	- 96
10 Save on Energy Existing Building Commissioning Program 11 Save on Energy Business Refrigeration Incentive Program	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
12 Save on Energy Process & Systems Upgrades Program 13 Save on Energy Energy Manager Program	-	-	-	-	-	- 835	- 835	- 6,141	- 6,976		-	-	-	-	-	-	-	-	-
14 Save on Energy Monitoring & Targeting Program 15 Save on Energy Retrofit Program - P4P	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
16 Save on Energy Process & Systems Upgrades Program - P4P Sub-total: Business Province-Wide Programs	-	796,876	1,116,144	1,913,020	3,399,961	4,172,268	7,572,229	18,821,096	28,306,345		-	- 147	265	412	- 578	633	1,211	2,962	4,585
Local & Regional Programs 17 Adaptive Thermostat Local Program	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
18 Business Refrigeration Incentives Local Program 19 Conservation on the Coast Home Assistance Local Program	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
20 Conservation on the Coast Small Business Lighting Local Program 21 First Nations Conservation Local Program 22 High Efficiency Agriculturual Pumping Local Program	-	-	- - -	-	-	-	-	-	-		-	- - -	- - -	-	-	-	-		-
23 Instant Savings Local Program 24 OPsaver Local Program	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
25 Pool Saver Local Program 26 PUMPsaver Local Program	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-		-
27 RTUsaver Local Program 28 Social Benchmarking Local Program		-	-	-	-		-		-		- -	-	-	-	-	-	-	-	-
Sub-total: Local & Regional Programs LDC Innovation Fund Pilot Programs	-	-	-	-	-	-	-	-	-	Ш	-	-	-	-	-	-	-	-	-
29 Air Source Heat Pump – For Residential Space Heating LDC Innov. 30 Air Source Heat Pump – For Residential Water Heating LDC Innov.	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
31 Block Heater Timer LDC Innovation Fund Pilot Program 32 Commercial Energy Management and Load Control (CEMLC) LDC	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
33 Conservation Cultivator LDC Innovation Fund Pilot Program 34 Data Centre LDC Innovation Fund Pilot Program	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
35 Electronics Take Back LDC Innovation Fund Pilot Program 36 Energy Reinvestment LDC Innovation Fund Pilot Program	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
37 Home Energy Assessment & Retrofit LDC Innovation Fund Pilot P. 38 Hotel/Motel LDC Innovation Fund Pilot Program	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
39 Intelligent Air Technology LDC Innovation Fund Pilot Program 40 OPsaver LDC Innovation Fund Pilot Program	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
41 PUMPsaver LDC Innovation Fund Pilot Program 42 Residential Direct Install LDC Innovation Fund Pilot Program	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
43 Residential Direct Mail LDC Innovation Fund Pilot Program 44 Residential Ductless Heat Pump LDC Innovation Fund Pilot Progr 45 Retrocomissioning LDC Innovation Fund Pilot Program	-	- - -	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
46 RTUsaver LDC Innovation Fund Pilot Program	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
47 Small & Medium Business Energy Management System LDC Inno 48 Solar Powered Attic Ventilation LDC Innovation Fund Pilot Progra 49 Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation	-	-	-	-	-	-		-	-		-	-	-	-	-	-	-	-	-
50 Truckload Event LDC Innovation Fund Pilot Program Sub-total: LDC Innovation Fund Pilot Programs	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Centrally Delivered Programs 51 industrial Accelerator Program	-	-	_	_	_	-	_	_			-	-	_		_	_	-		_
52 Save on Energy Energy Performance Program for Multi-Site Custo 53 Whole Home Pilot Program	-	-	-	-	-		-	577,329 120,265	577,329 120,265		-	-	-	-	-	-	-	- 17	- 17
Sub-total: Centrally Delivered Programs Program Enabled Savings	-	-	-	-	-	-	-	697,594	697,594	Ш	-	-	-	-	-	-	-	17	
54 Save on Energy Retrofit Program Enabled Savings 55 Save on Energy High Performance New Construction Program Ena	-	-	-	-	-		-	-	-	11 13	-	-	-	-	-	-	-	-	-
56 Save on Energy Process & Systems Upgrades Program Enabled Sa Sub-total: Program Enabled Savings	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Other 57 Non-Approved Program	- 1	-	-	-	-	-	_	-	-		-	-	_	-	-	-	-		_
58 Unassigned Program Sub-total: Other	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Sub-total: 2015-2020 Conservation First Framework	975,272	947,174	1,116,144	3,038,590	8,471,511	4,591,404	13,062,915	28,594,818	44,696,323	أسها	171	176	265	612	1,213	662	1,875	3,835	6,322
Conservation Fund 59 Conservation Voltage Reduction Conservation Fund Pilot Program 60 EnerNOC Conservation Fund Pilot Program	-	-	-	-	-	-	-	-	-	11 I.	-	-	-	-	-	-	-	-	-
60 EnerNOC Conservation Fund Pilot Program 61 Home Depot Home Appliance Market Uplift Conservation Fund P 62 Loblaw P4P Conservation Fund Pilot Program		- - -	- - -	-	- 708 -	-	- 708	- - -	- 708 -		-	- - -	- - -	-	-	- - -	-	-	-
63 Ontario Clean Water Agency P4P Conservation Fund Pilot Progra 64 Performance Based Conservation Fund Pilot Program	-	-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-
65 Social Benchmarking Conservation Fund Pilot Program 66 Strategic Energy Group Conservation Fund Pilot Program	-			-	-		-	-	-		-	-	-	-	-	-	-	-	-
Sub-total: Conservation Fund	-	-	-	-	708	-	708	-	708		-	-		-	-	-	-	-	-
2011-2014+2015 Extension Legacy Framework Programs Residential Program										Н,									
67 Appliance Retirement Initiative 68 Coupon Initiative 69 Bi-Annual Retailer Event Initiative	46,864 223,005	- 5,350	-	46,864 228,355	-	-	-	-	46,864 228,355		7 14 24	-	-	7 14		-	-	-	7 14
70 HYAC Incentives Initiative 71 Residential New Construction and Major Renovation Initiative	327,422 515,733	- 12,605	-	327,422 528,338		-	-	-	327,422 528,338		24 273	- 6	-	24 279	-	-	-	-	24 279 -
Sub-total: Residential Program	1,113,024	17,955	-	1,130,979	-	-	-	-	1,130,979		318	- 6	-	324	-	-	-	-	324
Commercial & Institutional Program 72 Energy Audit Initiative	142,541	9,592	-	152,133		-	-	-	152,133		30	2	-	32	-	-	-	-	32
73 Efficiency: Equipment Replacement Incentive Initiative 74 Direct Install Lighting and Water Heating Initiative 75 New Construction and Major Repoyation Initiative	14,020,784 102,095	1,007,040	155,652 -34,736	15,183,476 67,359		- - -	- - -	- - -	15,183,476 67,359 92,866		6,992 23	147 - 21	30 -8	7,169 15		- - -	-	-	7,169 15 21
75 New Construction and Major Renovation Initiative 76 Existing Building Commissioning Incentive Initiative Sub-total: Commercial & Institutional Program	14,265,420	92,866 - 1,109,498	-	92,866 - 15,495,834	-	- -	-	- - -	92,866		7,045	21 - 170	- - 22	21 - 7,237	-	- - -	-	-	7,237
Industrial Program										Щ									
77 Process and Systems Upgrades Initiatives - Project Incentive Init 78 Process and Systems Upgrades Initiatives - Energy Manager Initi	42,147,864 17,239	-	-	42,147,864 17,239	-	-	-	-	42,147,864 17,239		4,811 5	-	-	4,811 5	-	-	-	-	4,811 5
79 Process and Systems Upgrades Initiatives - Monitoring and Targe Sub-total: Industrial Program	42,165,103	-	-	42,165,103	-	-	-	-	42,165,103		4,816	-	-	4,816	-	-	-	-	4,816
Low Income Program 80 Low Income Initiative	526,869	-	-	526,869	-	-	-		526,869	ПΤ	43	-	-	43			-	-	43
Sub-total: Low-Income Program Other	526,869	-	-	526,869	-	-	-	-	526,869	Ш	43	-	-	43	-	-	-	-	43
81 Aboriginal Conservation Program 82 Program Enabled Savings		-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
Sub-total: Other Sub-total: 2011-2014+2015 Extension Legacy Framework	58,070,416	- 1,127,453	120 916	- 59,318,785	-	-	-	-	59,318,785		12,222	- 176	- 22	12,420	-	-	-	-	12,420
Sub-total: 2011-2014+2015 Extension Legacy Framework Total	59,045,688	2,074,627		62,357,375	8,472,219	4,591,404	13,063,623	28.594.818	104,015,816	Ш	12,222	352		13,032	1,213	662	1,875		18,742

Table 3-8: 2015 & 2016 (including Adjustments) and 2017 Verified Energy Savings Persistence

Savings Persistence Report

For: Guelph Hydro Electric Systems Inc.																						
# Program / Initiative Name	Net Verified A	Annual Energy	Savings (kWh)																			
	15	10	17	118	61	50	2.1	22	23	24	52	56	27	58	53	90	31	32	33	34	35	98
	20.	20:	20.	20.	200	20%	20.	20.	20%		200	20.2	20%	200	20%	203	203	203	203	200	203	203
▼		₩.	-	₩.	-	-	-	-	-	-	-	-	₩.	-	-	-	-	-	-	_	-	-
										_							_				_	_
2015 Verified 2015 Results	724 476	720.461	720 464	720 461	720 464	720 461	720 464	727.000	727.000	727.000	606 316	C02 7FF	602.755	667.616	CC7 C1C	665,000	170 775	170 775	170 775	170 775		_
1 Save on Energy Coupon Program 3 Save on Energy Heating & Cooling Program	734,476 240,796	728,461 240.796	728,461 240.796	728,461 240,796	728,461 240,796	728,461 240,796	728,461 240,796	727,998 240,796	727,998 240,796	727,998 240,796	686,316 240,796	683,755 240,796	683,755 240,796	667,616 240,796	667,616 240,796	665,908 240,796	178,775 240,796	178,775 240,796	178,775 234.665	178,775 -	-	-
67 Appliance Retirement Initiative	46.864	46,864	46,864	46,656	26,046	- 240,730	240,790	- 240,730	240,790	240,730	240,790	240,730	240,790	240,790	240,730	240,790	240,730	-	234,003	-	-	-
68 Coupon Initiative	223,005	220,890	220,890	220,890	220,890	220,890	220,890	220,841	220,841	220,841	200,852	199,813	199,813	199,290	199,290	199,207	80,605	80,605	80,605	80,605	-	-
69 Bi-Annual Retailer Event Initiative	327,422	316,563	316,563	316,563	316,563	316,563	316,563	316,552	316,552	316,552	280,141	243,611	243,611	243,548	243,548	243,540	155,519	155,519	155,519	155,519	-	-
70 HVAC Incentives Initiative	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	515,733	489,315	-	-	-
72 Energy Audit Initiative	142,541	142,541	142,541	142,541	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73 Efficiency: Equipment Replacement Incentive Initiative	14,020,784	14,020,784	13,976,235	13,976,235	13,976,235	13,976,235	13,571,889	13,571,889	13,180,751	11,739,120	7,354,273	6,492,122	5,132,329	5,086,429	5,086,429	3,540,659	174,509	174,509	174,509	174,509	-	-
74 Direct Install Lighting and Water Heating Initiative	102,095	97,357	57,881	57,881	57,881	57,881	57,881	57,881	57,881	57,881	56,142	23,701	-	-	-	-	-	-	-	-	-	-
77 Process and Systems Upgrades Initiatives - Project Incentive Initiative	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	-	-
78 Process and Systems Upgrades Initiatives - Energy Manager Initiative	17,239	17,239	17,239	17,239	17,239	17,239	17,239	17,239	17,239	17,239	-	-	-	-	-	-	-	-	-	-	-	-
80 Low Income Initiative	526,869	414,753	393,471	372,886	372,886	372,886	372,886	372,886	205,499	204,696	199,041	190,416	189,415	189,415	12,992	9,466	9,466	9,466	9,466	9,466	9,466	
Subtotal: 2015 Verified 2015 Results	59,045,688	58,909,845	58,804,538	58,783,745	58,620,594	58,594,548	58,190,202	58,189,679	57,631,154	56,188,720	51,681,158	50,737,811	49,353,316	49,290,691	49,114,268	47,563,173	43,503,267	43,503,267	43,470,718	42,746,738	9,466	-
2016 Verified 2015 Results Adjustments																						
83 Save on Energy Coupon Program	84,221	82,963	82,963	82,963	82,963	82,963	82,963	82,911	82,911	82,911	78,111	77,986	77,986	77,602	77,602	77,445	44,518	44,518	44,518	44,518	-	-
85 Save on Energy Heating & Cooling Program	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	35,577	34,814	-	-	-
86 Save on Energy New Construction Program	30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	30,500	15,410	-	-	-	-	-
89 Save on Energy Retrofit Program	674,627	674,627	674,627	674,627	674,627	674,627	657,255	657,255	657,002	602,046	311,177	287,603	274,302	274,302	274,302	188,863	-	-	-	-	-	-
91 Save on Energy High Performance New Construction Program	122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	122,249	71,099	42,414	14,398	-	-	-
150 Coupon Initiative	5,350	5,303	5,303	5,303	5,303	5,303	5,303	5,303	5,303	5,303	5,315	5,315	5,315	5,315	5,315	5,315	3,125	3,125	3,125	3,125	-	-
152 HVAC Incentives Initiative	12,605	12,605	12,605 9,592	12,605	12,605	12,605	12,605	12,605 152,133	12,605	12,605 152,133	12,605	12,605	12,605	12,605 106,493	12,605	12,605	12,605	12,605	12,249	-	-	-
154 Energy Audit Initiative 155 Efficiency: Equipment Replacement Incentive Initiative	9,592 1,007,040	9,592 1,007,040	1,007,040	9,592 1,007,040	152,133 1,007,040	152,133 1,007,040	152,133 932,984	932,984	152,133 924,392	608,291	152,133 295,002	152,133 261,259	152,133 177,381	177,381	- 177,381	- 136,728	-	-	-	-	-	-
157 New Construction and Major Renovation Initiative	92.866	92,866	92,866	92,866	92,866	92,866	932,984	932,984	92,866	92,866	92,866	92,866	92,866	92,866	40,296	130,726	-	-	-	-	-	-
Subtotal: 2016 Verified 2015 Results Adjustments	2,074,627	2,073,322	2,073,322	2,073,322	2,215,863	2,215,863	2,124,435	2,124,383	2,115,538	1.744.481	1,135,535	1.078.093	980,914	934.890	775,827	609,282	182,334	138.239	109.104	47,643	-	_
	_,=: :,==:	_,,	_,,	_,,	_,,	_,,	_, :, : : :	=,== :,===	_,,	_, ,	_,,_,	_,,	222,22	221,222	,	333,232				,		_
2017 Verified 2015 Results Adjustments	1 112 407	1 112 107	1 112 107	1 112 107	1 112 407	1 112 407	1 120 000	1 120 000	1,129,968	026 120	06 524	05.656	02.012	02.012	02.012	64.272	000	966	966	966	_	
171 Save on Energy Retrofit Program 173 Save on Energy High Performance New Construction Program	1,112,497 3,647	1,112,497 3,647	1,112,497 3,647	1,112,497 3,647	1,112,497 3,647	1,112,497 3,647	1,129,868 3,647	1,129,868 3,647	3,647	826,130 3,647	96,534 3,647	95,656 3,647	92,912 2,768	92,912	92,912	64,273 -	966	-	900	900	-	-
237 Efficiency: Equipment Replacement Incentive Initiative	155,652	155,652	200,201	202,141	202,141	202,141	680,542	680,542	1,013,226	929,158	276,275	79,460	105,916	80,239	80,239	72,031	42,014	42,014	42,014	42,014	-	-
238 Direct Install Lighting and Water Heating Initiative	-34,736	-29,998	9,477	10,539	10,539	10,539	10,539	10,539	10,539	10,539	10,539	9,573	-		-			-			-	-
Subtotal: 2017 Verified 2015 Results Adjustments	1.237.060	1,241,798	1,325,822	1,328,824	1.328.824	1.328.824	1,824,596	1,824,596	2,157,380	1.769.474	386.995	188.336	201,596	173.151	173,151	136.304	42,980	42.980	42.980	42.980	-	
2016 Varified 2016 Pagulta								· ·									·					
2016 Verified 2016 Results 247 Save on Energy Coupon Program	- 1	3,738,398	3,738,398	3,738,398	3,738,398	3,738,398	3,738,398	3,738,398	3,737,857	2 727 057	2 721 927	2 677 707	2 675 506	2 675 596	2 656 511	3,171,439	2 171 /20	1 426 797		- 1	-	-
249 Save on Energy Heating & Cooling Program		1,333,152	1,333,152	1,333,152	1,333,152	1,333,152	1,333,152	1,333,152	1,333,152	1,333,152	(1,333,152		1,333,152	1,333,152	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1,333,152	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1,333,152		-	-
253 Save on Energy Retrofit Program	-	3,301,403	3,223,236	3,223,236	3,223,236	3,223,236	3,170,753		3,170,753		<u> </u>		2,445,046		1,050,805	250,903	-	-	-	-	-	-
255 Save on Energy High Performance New Construction Program	-	98,558	98,558	98,558	98,558	98,558	98,558	98,558	98,558	98,558	98,558	98,558	98,558	98,558	98,558	98,558	94,317	91,938	31,210	-	-	-
307 Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program	-	708	708	708	708	708	708	708	708	708	708	708	708	708	708	477	477	477	477	-	-	-
Subtotal: 2016 Verified 2016 Results	-	8,472,219	8,394,052	8,394,052	8,394,052	8,394,052	8,341,569	8,341,569	8,341,028	8,336,834	8,320,804	8,267,891	7,553,050	6,158,809	6,139,734	4,854,529	4,599,385	2,852,354	1,364,839	1,304,118	-	-
2017 Verified 2016 Results Adjustments																						
329 Save on Energy Coupon Program	- 1	409,378	409,378	409,378	409,378	409,378	409,378	409,378	409,342	409,342	409,939	409,821	410,202	410,202	409,131	352,879	352,879	145,623	_	-	-	-
331 Save on Energy Heating & Cooling Program	-	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,758	9,568	-	-
335 Save on Energy Retrofit Program	1	3,927,327	4,005,494	4,008,552	4,008,552	4,008,552	4,006,064	4,006,064	4,006,064	4,003,417	4,003,417	3,978,963	3,054,994	1,364,628	1,364,628	94,690	620	620	620	620	620	-
337 Save on Energy High Performance New Construction Program	- 1	244,106	244,106	244,106	244,106	244,106	244,106	244,106	244,106	244,106	244,106	244,106	244,106	244,106	244,106	244,106	190,550	160,515	54,490	-	-	-
341 Save on Energy Energy Manager Program	-	835	835	835	835	835	835	835	835	835		835		-	-	-	-	-	-	-	-	-
Subtotal: 2017 Verified 2016 Results Adjustments	-	4,591,404	4,669,571	4,672,629	4,672,629	4,672,629	4,670,141	4,670,141	4,670,105	4,667,458	4,668,055	4,643,483	3,719,895	2,028,694	2,027,623	701,433	553,807	316,516	64,868	10,188	620	-
2017 Verified 2017 Results																						
411 Save on Energy Coupon Program	- 1	-	4,196,635	3,380,561	3,380,561	3,380,561	3,380,561	3,380,561	3,380,561	3,380,527	3,380,527	3,372,527	3,289,568	3,289,041	3,289,041	3,288,792	2,783,257	2,783,257	329,796	-	-	- 1
412 Save on Energy Instant Discount Program	-	-	3,777,549	2,735,657	2,735,657	2,735,657	2,735,657		2,735,657					·····				1,753,449		-	-	-
413 Save on Energy Heating & Cooling Program	- 1	-	956,804	956,804	956,804	956,804	956,804	956,804	956,804	956,804				956,804	956,804	956,804			956,804	956,804	912,764	-
415 Save on Energy Home Assistance Program	-	-	145,140	145,140	145,140	145,140	145,140	145,140	145,140	145,140	145,140	145,140	119,043	118,453	118,453				118,453		118,453	118,453
417 Save on Energy Retrofit Program	-	-	18,742,234	19,032,537	19,032,537	19,032,537	19,032,537	18,711,481	18,711,481	18,711,481	18,691,215	18,691,215	18,367,876	17,205,289	6,339,572	4,579,334	381,773	-	-	-	-	-
419 Save on Energy High Performance New Construction Program	-	-	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	24,687	-	-
423 Save on Energy Energy Manager Program	-	-	6,141	6,141	6,141		6,141	6,141	6,141	6,141	6,141	6,141	6,141	6,141	6,141	-	-	-	-	-	-	-
462 Save on Energy Energy Performance Program for Multi-Site Customers	-	-	577,329	577,329	577,329	577,329	577,329	439,357	439,357	439,357	205,945	-	-	-	-	-	-	-	-	-	-	
463 Whole Home Pilot Program	- 1	-	120,265	120,265	120,265	120,265	119,981	118,307	118,307	118,307	118,307	118,307		118,307	118,307	118,307	118,307		117,970	-	114,394	
Subtotal: 2017 Verified 2017 Results	-	-	28,594,818	27,027,155	27,027,155	27,027,155	27,026,871	26,566,169	26,566,169	26,566,082	26,312,404	26,098,459	25,616,260	24,447,874	13,582,157	11,398,254	6,695,158	5,802,654	2,985,479	1,217,707	1,145,611	141,098
Total	62 357 375	75 288 588	103,862,123 1	02 279 727 1	102 259 117	102 233 071	102 177 814	101 716 537	101 481 374	99 273 049	92 504 951	91 014 073	87 425 031	83 034 109	71 812 760	65 262 975	55 576 931	52 656 010	18 037 088	15 369 371	1 155 697	1/1 098

Table 3-9: 2015 & 2016 (including Adjustments) and 2017 Verified Peak Demand Savings Persistence

Savings Persistence Report

For: Guelph Hydro Electric Systems Inc.

For: Guelph Hydro Electric Systems Inc.																					
# Program / Initiative Name		Net Veri	fied Annເ	al Peak I	Demand	Savings (k	W)														
	ш	2015	016	2017	018	2019	2020	2021	022	2023	2024	025	2026	027	2028	2029	030	031	2032	033	034
			2		2				2			2		2			2	2		203	2 2
▼ · · · · · · · · · · · · · · · · · · ·	0 0 3	▼.	▼	▼.	▼.	▼	▼	▼.	▼.	▼	▼.	▼.	▼.	▼.	▼	▼.	*	▼.	▼	₩.	▼ ▼
2015 Verified 2015 Results																					
1 Save on Energy Coupon Program		47	46	46	46	46	46	46	46	46	46	42	42	42	42	42	42	11	11	11	11
3 Save on Energy Heating & Cooling Program	* 600	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	117	- - -
67 Appliance Retirement Initiative		7	7	7	7	4	-	-	-	-	-	-	-	- 0	- 000	-	-	-	-	-	
68 Coupon Initiative] [14	14	14	14	14	14	14	14	14	14	13	13	13	13	13	13	5	5	5	5
69 Bi-Annual Retailer Event Initiative		24	24	24	24	24	24	24	24	24	24	18	15	15	15	15	15		10	10	10
70 HVAC Incentives Initiative	ļ ļ	273	273	273	273	273	273	273	273	273	273	273	273	273	273	273	273	273	273	243	- - -
72 Energy Audit Initiative		30	30	30	30	-	-	-	-	-	-	-	-		}		-	-		-	- - -
73 Efficiency: Equipment Replacement Incentive Initiative	. J.	6,992	6,992	6,978	6,978	6,978	6,978	6,895	6,895		6,580	5,867	5,817	5,616	5,602	5,602	3,871	63	63	63	63
74 Direct Install Lighting and Water Heating Initiative	-	23	22	13	13	13	13	13	13	13	13	13	6	-	-	-	-	-	-	-	
77 Process and Systems Upgrades Initiatives - Project Incentive Initiative	- I	4,811	4,811	4,811	4,811	}	4,811	4,811	4,811			4,811	4,811	4,811	4,811	4,811	4,811	4,811	4,811 4		,811
78 Process and Systems Upgrades Initiatives - Energy Manager Initiative 80 Low Income Initiative	-	43	5 37	5 36	5 35	5 35	35	5 35	5 35	5 26	5 25	25	- 25	24	- 24	- 2		- 1	1	- 1	1 1-
Subtotal: 2015 Verified 2015 Results						12,327										10,882		5 298	5,298 5	261 4	
		12,333	12,303	12,301	12,300	12,327	12,323	12,240	12,240	12,103	11,513	11,100	11,120	10,510	20,504	20,002	3,130	3,230	3,230 3	,201 4,	- I
2016 Verified 2015 Results Adjustments	ļ	,						,			-	9	8	8							بكي
83 Save on Energy Coupon Program		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		3	3	3
85 Save on Energy Heating & Cooling Program	┤	18	18	18	18	18 6	18	18	18	18	18	18	18	18	18	18	18	<u></u>	18		
86 Save on Energy New Construction Program	∤	122	122	122	122		122	120	120	120	117	6 40	6	6	6	6	6				
89 Save on Energy Retrofit Program 91 Save on Energy High Performance New Construction Program	1 }	133 14	133 14	133 14	133 14	133 14	133 14	129 14	129 14	129 14	117 14	40 14	33 14	30 14	30 14	30 14	21 14		-		- - -
150 Coupon Initiative	-	14	14	- 14	-	-	-	14	- 14	-	-	14	14	- 14	- 143	- 14		- 3			
152 HVAC Incentives Initiative	1	6	6	6	- 6	6	6	6	6	6	6	6	6	- 6	- 6	- 6	6	- 6	6	6	
154 Energy Audit Initiative	1	2	2	2	2	32	32	32	32	32	32	32	32	32	23	-		_	-	-	_ _ _
155 Efficiency: Equipment Replacement Incentive Initiative		147	147	147	147	147	147	135	135	135	84	34	26	13	13	13	8	- 1	-	-	- - -
157 New Construction and Major Renovation Initiative	* 60	21	21	21	21	21	21	21	21	21	21	21	21	21	21	9	-	-	-	-	- - -
Subtotal: 2016 Verified 2015 Results Adjustments		352	352	352	352	382	382	366	366	366	303	176	161	145	136	101	78	33	27	26	3
2017 Verified 2015 Results Adjustments	i i																				
171 Save on Energy Retrofit Program	1 6	265	265	265	265	265	265	268	268	268	193	13	13	12	12	12	8	1	1	1	1
173 Save on Energy High Performance New Construction Program		-	-	-	-	-	-	-	-	-	-	-	-		- 1	- 1	-	- 1	-	-	- 1 - 1
237 Efficiency: Equipment Replacement Incentive Initiative	i i	30	30	44	44	44	44	139	139	164	124	33	22	21	13	13	13	13	13	13	13
238 Direct Install Lighting and Water Heating Initiative	1 ľ	-8	-7	2	3	3	3	3	3	3	3	3	2	-	-]	-]	-	- 1	-	-	
Subtotal: 2017 Verified 2015 Results Adjustments	ľ	287	288	311	312	312	312	410	410	435	320	49	37	33	25	25	21	14	14	14	14
2016 Verified 2016 Results	Ī																				
247 Save on Energy Coupon Program		- 1	243	243	243	243	243	243	243	243	243	242	233	233	233	233	203	203	90	-	- - -
249 Save on Energy Heating & Cooling Program	1	-	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392		392	392	360
253 Save on Energy Retrofit Program		-	558	541	541	541	541	534	534	534	533	533	532	381	141	141	68	- 1	-	-	- - -
255 Save on Energy High Performance New Construction Program		-	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	16	14	5	
307 Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program] [-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 2016 Verified 2016 Results		-	1,213	1,196	1,196	1,196	1,196	1,189	1,189	1,189	1,188	1,187	1,177	1,026	786	786	683	611	496	397	360
2017 Verified 2016 Results Adjustments																					
329 Save on Energy Coupon Program	1 [-	26	26	26	26	26	26	26	26	26	26	26	26	26	26	23	23	9	-	
331 Save on Energy Heating & Cooling Program	1 6	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
335 Save on Energy Retrofit Program		-	587	603	604	604	604	603	603	603	603	603	601	407	104	104	8	1	1	1	1 1 -
337 Save on Energy High Performance New Construction Program] [-	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	27	16	6	
341 Save on Energy Energy Manager Program		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_	-	-	-	
Subtotal: 2017 Verified 2016 Results Adjustments		-	662	678	679	679	679	678	678	678	678	678	676	482	179	179	80	54	29	10	4 1 -
2017 Verified 2017 Results																					
411 Save on Energy Coupon Program] [-	-	299	244	244	244	244	244	244	244	244	244	220	220	220	220	187	187	22	
412 Save on Energy Instant Discount Program] [-	-	259	189	189	189	189	189	189	189	189	189	179	179	179	152	152	118	93	
413 Save on Energy Heating & Cooling Program] [-	-	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274	274 246 -
415 Save on Energy Home Assistance Program	Į [-	-	24	24	24	24	24	24	24	24	24	24	8	8	8	8		8	8	8 8
417 Save on Energy Retrofit Program	ļ [-	-	2,946	3,061	·	3,061	3,061			3,005		3,005	2,938	2,443	778	483	<u> </u>	-		
419 Save on Energy High Performance New Construction Program		-	-	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	6
423 Save on Energy Energy Manager Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-]	-	-		-		
462 Save on Energy Energy Performance Program for Multi-Site Customers	.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
463 Whole Home Pilot Program		-	-	17	2.025	17	17	2 025	17	2.760	2.760	2.760	17	17	17	17	17		17	17	17 13
Subtotal: 2017 Verified 2017 Results	ַ וַ	-	-	3,835	3,825		3,825					3,769	3,769	3,652		1,492					305 267
Total		13,032	14,900	18,733	18,724	18,721	18,717	18,708	18,652	18,622	18,173	17,045	16,946	16,256	15,187	13,465	11,182	6,704	6,484 6	,138 5,	,587 269

Guelph Hydro Electric Systems Inc. EB-2018-0036 Application Appendix 4 Filed: August 9, 2018

Appendix 4 2016 Board-Approved – Settlement Agreement

File number EB-2015-0073

EB-2015-0073

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

AND IN THE MATTER OF an Application by Guelph Hydro Electric Systems Inc. for an Order or Orders approving just and reasonable rates and other charges for electricity distribution to be effective January 1, 2016.

GUELPH HYDRO ELECTRIC SYSTEMS INC. SETTLEMENT PROPOSAL

Original Filed: September 24, 2015

Amended: October 20, 2015

Amended to reflect the OEB's Decision and Procedural Order No.3:

November 11, 2015

Guelph Hydro Electric Systems Inc.

EB-2015-0073

Settlement Proposal

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LIVE EXCEL MODELS

In addition to the Appendices listed above, the following live excel models have been filed together with and form an integral part of this Settlement Proposal:

Guelph Settlement COP Forecast - Test Year 20150924.xls

Guelph_Settlement_Updated_Detailed_CA_Model_RUN1_20151020.xls

 $Guelph_Settlement_Updated_EDDVAR_Continuity_Schedule_CoS_20151020.xls$

Guelph_Settlement_Updated_Filing_Requirements_Chapter2_Appendices_20151 020.xls

Guelph_Settlement_LRAMVA Model_20150924.xls

Guelph_Settlement_Updated_Rev_Reqt_Work_Form_20151020.xls

Guelph_Settlement_RTSR MODEL_20150924.xls

Guelph_Settlement_Updated_Test_year_Income_Tax_PILs_Workform_20151020 .xls

Guelph_Settlement_Weather Normalization Regression Model_20150924.xls

Guelph Hydro Electric Systems Inc.

EB-2015-0073

Settlement Proposal

Filed with the Ontario Energy Board:

Original Filed: September 24, 2015

Amended: October 20, 2015 Amended: November 11, 2015

Guelph Hydro Electric Systems Inc. (the "Applicant" or "Guelph Hydro" or "GHESI") filed a cost of service application with the Ontario Energy Board (the "Board") on April 24, 2015 under section 78 of the *Ontario Energy Board Act, 1998*, S.O. 1998, c. 15, (Schedule B) (the "Act"), seeking approval for changes to the rates that Guelph Hydro charges for electricity distribution, to be effective January 1, 2016 (Board Docket Number EB-2015-0073) (the "Application").

The Board issued a Notice of Application and Hearing dated May 21, 2015. In Procedural Order No. 1, dated June 12, 2015, the Board sought the provision of written interrogatories and outlined the timetable of the various elements in the proceeding.

Following the receipt of interrogatories, Guelph Hydro filed its interrogatory responses with the Board on July 31, 2015, filed responses to VECC's technical conference questions on August 7, 2015, attended a technical conference on August 10, 2015, filed responses to various undertakings on August 21, 2015 and filed a supplemental interrogatory response on August 27, 2015.

On August 14, 2015, following interrogatories and the technical conference, OEB staff submitted a proposed issues list as agreed to by the parties. On August 20, 2015 the Board issued its decision on the proposed issues list, approving the list submitted by OEB staff as the final issues list (the "Issues List"), and confirmed that a settlement conference would occur in accordance with Procedural Order No. 1.

This Settlement Proposal is filed with the Board in connection with the Application.

Further to the Board's Procedural Order No. 1 and its Issues List Decision, a settlement conference was convened on August 31, 2015 and continued to September 1, 2015 in accordance with the Board's *Rules of Practice and Procedure* (the "Rules") and the Board's *Practice Direction on Settlement Conferences* (the "Practice Direction"). Mr. Andrew Diamond acted as facilitator for the settlement conference which was held for two days.

Guelph Hydro and the following intervenors (the "Intervenors"), participated in the settlement conference:

Energy Probe Research Foundation ("EP");

School Energy Coalition ("SEC"); and Vulnerable Energy Consumers Coalition ("VECC").

Guelph Hydro and the Intervenors are collectively referred to below as the "Parties".

Ontario Energy Board staff ("OEB staff") also participated in the settlement conference. The role adopted by OEB staff is set out in page 5 of the Practice Direction. Although OEB staff is not a party to this Settlement Proposal, as noted in the Practice Direction, OEB staff who did participate in the settlement conference are bound by the same confidentiality and privilege rules that apply to the Parties to the proceeding.

On June 3, 2015, the Board issued a letter to all licensed electricity distributors and other interested parties regarding the allowance for working capital in electricity distribution rate applications. In this letter, the Board identified a new default working capital value of 7.5%. The letter states that distributors not wishing to use the default value are given the option to request approval for a distributor-specific working capital allowance supported by the appropriate evidence from a lead-lag study or equivalent analysis. Guelph Hydro did not perform a lead-lag study, and this settlement reflects the new default working capital allowance of 7.5%.

This document is called a "Settlement Proposal" because it is a proposal by the Parties to the Board to settle the issues in this proceeding. It is termed a proposal as between the Parties and the Board. However, as between the Parties, and subject only to the Board's approval of this Settlement Proposal, this document is intended to be a legal agreement, creating mutual obligations, and binding and enforceable in accordance with its terms. As set forth later in this Preamble, this agreement is subject to a condition subsequent, that if it is not accepted by the Board in its entirety, then unless amended by the Parties it is null and void and of no further effect. In entering into this agreement, the Parties understand and agree that, pursuant to the Act, the Board has exclusive jurisdiction with respect to the interpretation and enforcement of the terms hereof.

These settlement proceedings are subject to the rules relating to privilege contained in the Practice Direction. The Parties acknowledge that this settlement proceeding is confidential in accordance with the Board's Practice Direction on Settlement Conferences. The Parties understand that confidentiality in that context does not have the same meaning as confidentiality in the Board's Practice Direction on Confidential Filings, and the rules of that latter document do not apply. Instead, in this settlement conference, and in this Agreement, the Parties have interpreted "confidential" to mean that the documents and other information provided during the course of the settlement proceeding, the discussion of each issue, the offers and counter-offers, and the negotiations leading to the settlement — or not — of each issue during the settlement conference are strictly privileged and without prejudice. None of the foregoing is admissible as evidence in this proceeding, or otherwise, with one exception, the need to resolve a subsequent dispute over the interpretation of any provision of this Settlement Proposal. Further, the Parties shall not disclose those documents or other information to persons who were not attendees at the settlement conference. However, the Parties

agree that "attendees" is deemed to include, in this context, persons who were not physically in attendance at the settlement conference but were a) any persons or entities that the Parties engage to assist them with the settlement conference, and b) any persons or entities from whom they seek instructions with respect to the negotiations; in each case provided that any such persons or entities have agreed to be bound by the same confidentiality provisions.

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

There are Appendices to this Settlement Proposal which provide further support for the proposed settlement. The Parties acknowledge that the Appendices were prepared by Guelph Hydro. While the Intervenors have reviewed the Appendices, the Intervenors are relying on the accuracy of the underlying evidence in entering into this Settlement Proposal.

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

The Parties are pleased to advise the Board that the Parties have reached a complete agreement with respect to all of the issues in this proceeding. Specifically:

"Complete Settlement" means an issue for which complete settlement was reached by all Parties, and if this Settlement Proposal is accepted by the Board, the Parties will not adduce any evidence or argument during the oral hearing in respect of these issues.	# issues settled:
"Partial Settlement" means an issue for which there is partial settlement, as GHESI and the Intervenors who take any position on the issue were able to agree on some, but not all, aspects of the particular issue. If this Settlement Proposal is accepted by the Board, the Parties who take any	# issues partially

position on the issue will only adduce evidence and argument during the hearing on those portions of the issues not addressed in this Settlement Proposal.	settled: None
"No Settlement" means an issue for which no settlement was reached. GHESI and the Intervenors who take a position on the issue will adduce evidence and/or argument at the hearing on the issue.	# issues not settled: None

If applicable, a Party who is noted as taking no position on an issue may or may not have participated in the discussion on that particular issue, but in either case such Party takes no position a) on the settlement reached, and b) on the sufficiency of the evidence filed to date.

According to the Practice Direction (p. 3), the Parties must consider whether a Settlement Proposal should include an appropriate adjustment mechanism for any settled issue that may be affected by external factors. These adjustments are specifically set out in the text of the Settlement Proposal (see, for instance, the settlement on cost of capital within issue 2.1 below).

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

In the event that the Board directs the Parties to make reasonable efforts to revise the Settlement Proposal, the Parties agree to use reasonable efforts to discuss any potential revisions, but no Party will be obligated to accept any proposed revision. The Parties agree that all of the Parties who took on a position on a particular issue must agree with any revised Settlement Proposal as it relates to that issue prior to its resubmission to the Board.

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

Where in this Agreement, the Parties or any of them "accept" the evidence of Guelph Hydro, or "agree" to a revised term or condition, including a revised budget or forecast, then unless the Agreement expressly states to the contrary, the words "for the purpose of settlement of the issues herein" shall be deemed to qualify that acceptance or agreement.

SUMMARY

In reaching this settlement, the Parties have been guided by the Filing Requirements for 2016 rates and the approved Issues List.

This Settlement Proposal reflects a settlement of the all of the issues in this proceeding.

Guelph Hydro has made changes to the Revenue Requirement as reproduced below in Table 1:

Table 1: Revenue Requirement

	•		•	Variance		Variance
	Description	Application	Interrogatories	(C) = (B) - (A)	Settlement	(E) = (D) - (B)
	·	(A)	(B)	. , . , . ,	(D)	, , , , , ,
Cook of Conital	Regulated Return on Capital	\$10,926,494	\$10,161,687	-\$764,807	\$9,831,829	-\$329,858
Cost of Capital	Regulated Rate of Return	6.71%	6.71%	0.00%	6.49%	-0.21%
	Rate Base	\$162,960,102	\$151,553,603	-\$11,406,499	\$151,391,730	-\$161,873
Rate Base and Capital Expenditures	Working Capital	\$223,870,940	\$236,303,668	\$12,432,728	\$236,828,275	\$524,607
Experialtures	Working Capital Allowance (\$)	\$29,103,222	\$17,722,775	-\$11,380,447	\$17,762,121	\$39,346
	Amortization / Depreciation	\$5,751,746	\$5,751,746	\$0	\$5,745,184	-\$6,562
Operating Expenses	Taxes / PILs	\$901,253	\$768,558	-\$132,695	\$692,577	-\$75,980
	OM&A	\$16,404,861	\$16,404,861	\$0	\$15,230,861	-\$1,174,000
	Service Revenue Requirement	\$34,319,428	\$33,421,926	-\$897,502	\$31,835,525	-\$1,586,401
	Other Revenues	\$2,207,201	\$2,307,201	\$100,000	\$2,307,201	\$0
Revenue Requirement	Base Revenue Requirement	\$32,112,227	\$31,114,725	-\$997,502	\$29,528,324	-\$1,586,401
	Grossed Up Revenue Deficiency / Sufficiency	\$4,084,908	\$3,087,405	-\$997,502	\$1,367,535	-\$1,719,870

Based on the foregoing, and the evidence and rationale provided below, the Parties agree that this Settlement Proposal is appropriate and recommend its acceptance by the Board.

Please refer to Appendix A for the draft tariffs resulting if this settlement is accepted by the Board, pending a final order of the Board to be issued only after all updates to the cost of capital calculations as contemplated in the settlement on issue 2.1 have been made.

1 Planning

1.1 Capital

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

- customer feedback and preferences;
- productivity;
- benchmarking of costs;
- reliability and service quality;
- impact on distribution rates;
- trade-offs with OM&A spending;
- government-mandated obligations; and
- the objectives of the Applicant and its customers

Complete Settlement: For the purposes of the settlement of all of the issues in this proceeding, Guelph Hydro agrees to adjust its 2016 rate base and capital plan to reflect the following:

- Guelph Hydro agrees to adjust the 2016 fixed assets continuity schedule depreciation additions for account 1860 – Meters to reflect the recovery of Zigbee Chip (see also the settlement of issue 5.4 below);
- Recognizing the Board intends to address the method for accounting of OPEBs in rates as part of a generic policy process, Guelph Hydro agrees to adjust its test year capital expenditures to reflect the recovery of OPEBs on a cash, rather than an accrual, basis,¹ and the proper allocation of OPEBs between capital and OM&A amounts (since the entire amount of the OPEB costs were captured in OM&A in GHESI's 2016 Rate Filing, this results in an increase in capital additions of \$81,000 in the test year) subject to the approval of a new variance account as described further in the settlement of issue 4.2 below to record the difference in rates between these two methodologies pending the Board's final determination on the generic policy issue;
- While no change is required, Guelph Hydro identified a typo in its response to undertaking JT1.37 related to the balance proposed for disposition for the account 1555- Smart Meter Capital – Sub-account Zigbee Chip initiative - the correct balance is \$355,635 (Net Book Value) which is the amount to be included in the 2016 rate base;

¹ All of the Parties recognize that the Board intends to hold a generic policy discussion on this matter, and that nothing in this settlement is intended to limit the positions any of the Parties may take in that more general policy discussion.

 Guelph Hydro agrees to adjust its rate base calculation in the fixed assets continuity schedule (account 1808- Buildings and Fixtures) to reflect the movement of the capital expense of \$500,000 and the corresponding depreciation of \$5,000 from 2015 to the 2016 test year to reflect the actual inservice date of the building addition in 2016.

With the above modifications, and for the for the purposes of settlement of the issues in this proceeding, the Parties accept the evidence of Guelph Hydro that the level of planned capital expenditures and the rationale for planning and pacing choices are appropriate and adequately explained, giving due consideration to:

- The customer feedback and preferences (as more fully detailed in Exhibit 1 at Tab 3, Schedule 2; at Tab 4, Schedules 1 through 4; at Appendix 1-B through Appendix 1-I and Exhibit 2, Appendix 2-A);
- The past and planned productivity initiatives of Guelph Hydro (as more fully detailed in Exhibit 1 at Tab 3, Schedule 3 and at Appendix 1-A);
- Guelph Hydro's benchmarking performance (as more fully detailed in Exhibit 1, Tab 3, Schedule 1, Schedule 4 and Schedule 6);
- Guelph Hydro's past reliability and service quality performance as well as Guelph Hydro's targets for performance in the test year (as more fully detailed in Exhibit 1, Tab 3, Schedule 6 and Tab 4, Schedule 3);
- The total impact on distribution rates (as more fully detailed in Appendix D of this Settlement Proposal);
- The agreed to changes to in OM&A spending (as described under issue 1.2 of this Settlement Proposal);
- Guelph Hydro's past and planned performance meeting government mandated obligations (as more fully detailed in Exhibit 1, Tab 3, Schedule 4); and
- Guelph Hydro's targets and objectives (as more fully detailed in Exhibit 1, Tab 1, Schedule 1 at pp 5-7 and Exhibit 2 at Appendix 2-A).

The Parties further agree that the Distribution System Plan filed in this proceeding, combined with the resources made available to Guelph Hydro in the Test Year under the terms of this Settlement Proposal, provide a foundation to Guelph Hydro in the Test Year to continue to: (a) pursue continuous improvement in productivity; (b) maintain system reliability and service quality objectives; and (c) maintain reliable and safe operation of its distribution system.

Appendix B of this Settlement Proposal provides updated Appendix 2-AB to reflect this settlement.

Evidence:

Application:

- Exhibit 1, Tab 2, Schedule 4 (Rate Base and Capital Plan);
- Exhibit 1, Tab 3, Schedule 3 (Operational Effectiveness);
- Exhibit 1, Tab 3, Schedule 4, Table 1-38: Government Obligations
- Exhibit 1, Tab 3, Schedule 6, pages 1-15 (Scorecard Performance Analysis);
- Appendix 1-D: 2014 Online Customer Survey and Results;
- Appendix 1-H: Large Use Breakfast Presentations and Feedback;
- Appendix 1-I: Innovative Research Group Customer Engagement;
- Exhibit 2: Rate Base in its entirety including Appendix 2-A: Distribution System Plan, and Appendix 2-B: Capitalization and Overhead Policy

Interrogatory Responses:

- 1-Energy Probe-1, 1-Energy Probe-2, 1-Energy Probe-5, 2-Energy Probe-7 to 2-Energy Probe-15, 2-Energy Probe-18, 2-Energy Probe-19, 4-Energy Probe-46, 4-Energy Probe-49 to 4-Energy Probe-52, Appendix 4-Energy Probe-52-b
- 1-Staff-1, 1-Staff-3, 1-Staff-4, 2-Staff-6 to 2-Staff-8, 2-Staff-11 to 2-Staff-42, Appendix 1-Staff-1
- 1-VECC-3 to 1-VECC-5, 2-VECC-7 to 2-VECC-9, 2-VECC-11, 2-VECC-13 to 2-VECC-19, 4-VECC-35, 4-VECC-39
- 1-SEC-1, 1-SEC-5, 1-SEC-13, 2-SEC-20 to 2-SEC-57

Technical Conference Transcript of August 10, 2015:

Pages 13-15, 22-29, 52-60, 64-65, 69-83, 89-90, 92-93, 95, 109-110,118-124,
 150-151

<u>Undertaking Responses:</u>

JT1.2, JT1.4, JT1.5, JT1.10, JT1.11, JT1.13, JT1.14, JT1.15, JT1.16, JT1.17, JT1.18, JT1.19, JT1.20, JT1.21, JT1.27, Appendix JT1.17

Appendices to this Settlement Proposal:

- Appendix B OEB Appendix 2-AB
- Appendix C OEB Appendix 2-BA
- Appendix F OEB Appendix 2-EB

Supporting Parties: All

1.2 OM&A

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

- customer feedback and preferences;
- productivity;
- benchmarking of costs:
- reliability and service quality;
- impact on distribution rates;
- trade-offs with capital spending;
- government-mandated obligations; and
- the objectives of the Applicant and its customers.

Complete Settlement: For the purposes of the settlement of all of the issues in this proceeding, Guelph Hydro agrees to reduce its proposed OM&A budget in the test year by \$650,000. This reduction is in addition to a reduction of \$524,000 in the test year OM&A budget (see calculation and explanation of re-allocation to capital below) to reflect the recovery of OPEBs on a cash, rather than an accrual, basis,² subject to the approval of a new variance account as described further in the settlement of issue 4.2 below to record the difference in rates between these two methodologies pending the Board's final determination on the generic policy issue.

In this Settlement Agreement, Guelph Hydro has agreed to the recovery of Other Post-Employment Benefits (OPEBs) on a cash basis vs. the accrual basis of accounting. The impact of this change is to reduce OM&A expenditures by \$443,000 since the entire amount of the OPEB costs were captured in OM&A in GHESI's 2016 Rate Filing. This amount is derived as follows:

OPEBs (accual basis)	\$ 675,000
OPEBs (cash basis)	232,000
Excess	\$ 443,000

The Parties also agree that Guelph Hydro should allocate the OPEBs proportionally between capital and OM&A in the test year, in keeping with Guelph Hydro's (and other LDC's) accounting practice to appropriately allocate the fully burdened costs between capital and OM&A.

As a result, of the \$232,000 OPEB costs, \$81,000 has been reclassified out of OM&A and reallocated to the 2016 Capital Additions in order to properly reflect the allocation of these costs between capital and OM&A.

² See footnote 1 above.

Putting this all together: Guelph Hydro has reduced its OM&A budget for the test year by: (i) \$443,000 to reflect the change from accrual to cash accounting for OPEBs; plus (ii) \$81,000 to reflect the reallocation of that amount to 2016 capital additions. This accounts for the total reduction of \$524,000 described above.

The Parties accept Guelph Hydro's overall objectives, and have agreed that the revised OM&A budget will allow Guelph Hydro to achieve those objectives in the Test Year. For the purposes of settlement of the issues in this proceeding, the Parties accept the evidence of Guelph Hydro that the level of planned OM&A expenditures and the rationale for planning choices are appropriate and adequately explained, giving due consideration to:

- The customer feedback and preferences (as more fully detailed in Exhibit 1 at Tab 3, Schedule 2; at Tab 4, Schedules 1 through 4; at Appendix 1-B through Appendix 1-I and Exhibit 2, Appendix 2-A);
- The past and planned productivity initiatives of Guelph Hydro (as more fully detailed in Exhibit 1 at Tab 3, Schedule 3 and at Appendix 1-A);
- Guelph Hydro's benchmarking performance (as more fully detailed in Exhibit 1, Tab 3, Schedule 1, Schedule 4 and Schedule 6);
- Guelph Hydro's past reliability and service quality performance as well as Guelph Hydro's targets for performance in the test year (as more fully detailed in Exhibit 1, Tab 3, Schedule 6 and Tab 4, Schedule 3);
- The total impact on distribution rates (as more fully detailed in Appendix D of this Settlement Proposal);
- The agreed to changes to capital spending (as described under issue 1.1 of this Settlement Proposal);
- Guelph Hydro's past and planned performance meeting government mandated obligations (as more fully detailed in Exhibit 1, Tab 3, Schedule 4); and
- Guelph Hydro's targets and objectives (as more fully detailed in Exhibit 1, Tab 1, Schedule 1 at pp 5-7 and Exhibit 2 at Appendix 2-A).

For the purpose of presentation, Guelph Hydro has identified in the table below the revised OM&A budget for the test year, which it believes appropriately balances the prospect for productivity improvements with Guelph Hydro's cost drivers (Appendix 2-JB, Table 4-5 of Exhibit 4, Tab 2, Schedule 1, p.3).

Changes to OM&A are reproduced below as Table 2:

Table 2 -	OM&A Ad	justments
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OM&A Category	R	ate Application (A)	(PEB Adjustment to OM&A disallowed portion of \$443K (B)	PEB Adjustment to M&A reallocation to capital of \$81K (C)	Settlement Changes (D)	Settlement Proposal (E)= (A)-(B)-(C)-(D)
Operations	\$	5,439,342	\$	(146,885.00)	\$ (26,857.00)	\$ (171,970)	\$5,093,630
Maintenance	\$	1,891,630	\$	(51,082.00)	\$ (9,340.00)	\$ (173,500)	\$1,657,708
Billing and Collecting	\$	2,094,042	\$	-	\$ -	\$ 2,472	\$2,096,514
Community Relations	\$	94,998	\$	-	\$ -	\$ •	\$94,998
Administrative and General	\$	6,884,849	\$	(245,033.00)	\$ (44,803.00)	\$ (307,002)	\$6,288,011
Total OM&A	\$	16,404,861	\$	(443,000.00)	\$ (81,000.00)	\$ (650,000.00)	\$15,230,861

Evidence:

Application:

- Exhibit 1, Tab 2, Schedule 5: Operations, Maintenance & Administration Expense;
- Exhibit 1, Tab 3, Schedule 3, pages 4-25 (Operational Effectiveness);
- Exhibit 1, Tab 3, Schedule 4, Table 1-38: Government Obligations;
- Appendix 1-J: Control Room Shared Services Business Case and Agreement;
- Exhibit 4: Operating Expenses in its entirety including Appendix 4-B: Actuarial Report, Appendix 4-C: Service Agreements, Appendix 4-D: Income Tax/PILs Workform, and Appendix 4-E: 2013 Federal and Ontario Tax Returns

Interrogatory Responses:

- 1-Energy Probe-3 to 1-Energy Probe-6, 3-Energy Probe-24 to 3-Energy Probe-26, 4-Energy Probe-28 to 4-Energy Probe-39, 4-Energy Probe-41 to 4-Energy Probe-45, 4-Energy Probe-47, 4-Energy Probe-48
- 1-Staff-1 to 1-Staff-5, 2-Staff-6, 2-Staff-16, 2-Staff-41, 4-Staff-44 to 4-Staff-46,
 4-Staff-48 to 4-Staff-51, Appendix 1-Staff-1, Appendix 4-Staff-44-a,
 Supplemental IRR
- 1-VECC-1 to 1-VECC-3, 4-VECC-34 to 4-VECC-47
- 1-SEC-1 to 1-SEC-3, 1-SEC-5, 1-SEC-8, 1-SEC-11, 1-SEC-13, 1-SEC-16, 2-SEC-39, 2-SEC-49, 2-SEC-57, 4-SEC-58 to 4-SEC-60, Appendix 1-SEC-3, Appendix 1-SEC-4

Technical Conference Topics:

3-VECC-67

Technical Conference Transcript of August 10, 2015:

• Exhibit KT1.1 referenced on pages 4-5

Pages 13-15, 22-27, 64-65, 75, 134-136, 138-139, 142, 151-158, 168-170, 175-176

Undertaking Responses:

• JT1.2, JT1.9, JT1.10, JT1.11, JT1.22, JT1.23, JT1.24, JT1.28, JT1.29, JT1.30, JT1.31, JT1.32, JT1.33

Appendices to this Settlement Proposal:

- Appendix A 2016 Tariff of Rates and Charges
- Appendix D Bill Impacts

Supporting Parties: All

2 Revenue Requirement

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

Complete Settlement:

The Parties accept the evidence of Guelph Hydro that all elements of the Base Revenue Requirement have been correctly determined in accordance with Board policies and practices. Specifically:

a) Rate Base: Guelph Hydro has agreed to make the adjustments to rate base as described in the settlement of issue 1.1 above. For clarity, a summary of the rate base calculation and adjustments has been provided below as Table 3. Subject to the adjustments to rate base described above and as illustrated in Table 3-a below, the Parties accept the evidence of Guelph Hydro that the test year rate base is correct and based on Board policies and practices.

Table 3-a: Rate Base Calculation

Description	Application	Interrogatories	Variance	Settlement	Variance
	Α	В	C=B-A	D	E=D-B
Average Gross Fixed Assets	\$169,552,260	\$169,516,735	-\$35,525	\$169,307,235	-\$209,500
Average Accumulated					
Depreciation	-\$35,695,380	-\$35,685,907	\$9,473	-\$35,677,626	\$8,281
Average Net Book Value	\$133,856,880	\$133,830,828	-\$26,052	\$133,629,609	-\$201,219
Working Capital	\$223,870,940	\$236,303,668	\$12,432,728	\$236,828,275	\$524,607
Working Capital Allowance					
(%)	13.00%	7.50%	-5.50%	7.50%	0.00%
Working Capital Allowance (\$)	\$29,103,222	\$17,722,775	-\$11,380,447	\$17,762,121	\$39,346
Rate Base	\$162,960,102	\$151,553,603	-\$11,406,499	\$151,391,730	-\$161,873

- b) Working Capital: The parties accept the evidence of Guelph Hydro that the working capital calculations including the adjustments detailed in JT1.11 and JT1.12 are reasonable and have been appropriately determined in accordance with OEB policies and practices.
- c) Cost of Capital: For the purposes of settlement of the issues in this proceeding, Guelph Hydro has agreed to adjust its cost of capital calculation to reflect:
 - a. a weighted debt rate of 4.9148% for the 2016 year, which reflects the debt rate of 4.1583% on the \$30MM long-term debt issued in September, 2015 to fund distribution capital and Guelph Hydro's existing long term debt issue of \$65 million at a rate of 5.264% (references: this Settlement Agreement, Tables 3-b, 3-c, and Appendix J- LTD September 2015);
 - b. The calculation of the new long term debt and the weighted long term debt calculation is shown in Table 4 below:

Table 3-b: Long Term Debt Interest and Interest Rate calculation

Total Issuance Costs	\$335,281	Α
Issuance Cost Annual Amortization over 30-year debt term	\$11,176	B=A/30
Principal amount of debt	\$30,000,000	С
Less Issuance costs	\$29,664,719	D=C-A
Assumed Interest Rate	4.1210%	Е
Interest Expense	\$1,236,300	F=CXE
Amortization of Issuance Cost	\$11,176	G=B
Total Cost	\$1,247,476	H=F+G
Effective Debt Rate	4.1583%	I=H/C

Table 3-c: Weighted Debt Cost Calculation

Description	Daht Haldan	Afflicated with 1 DOO	Data of Insurance	Duinainal	Term	Data 0/	Year Applied	
Description	Debt Holder	Affliated with LDC?	Date of Issuance		(Years)		to	Interest Cost
Senior Unsecured Debenture	-,	N	December 6, 2010	\$65,000,000		5.26%	2016	\$3,421,600
Senior Unsecured Debenture	s, Series A	N	January 1, 2016	\$30,000,000		4.1583%	2016	\$1,247,476
				\$30,000,000		4.42%	\$10,000	\$1,336,500
2015 Total Long Term Deb	t .			65,000,000	To	otal Interest Cost	for 2015	3,421,600
					Weig	hted Debt Cost F	Rate for 2015	5.26%
2016 Total Long Term Deb	t			95,000,000	To	otal Interest Cost	for 2016	\$4,669,076
					Weig	hted Debt Cost F	late for 2016	4.9148%

and

c. the cost of capital parameters for rate applications effective January 1, 2016 announced on October 15, 2015.

The Parties accept the evidence of Guelph Hydro that the proposed capital structure, rate of return on equity and short and long-term debt costs have been correctly determined in accordance with Board policies and practices.

- d) Other Revenue: Subject to the e-billing credit adjustment described in issue 5.2 below, the Parties accept the evidence of Guelph Hydro that a forecast of other revenues of \$2,307,201 is appropriate and correctly determined in accordance with Board policies and practices.
- e) Depreciation: For the purposes of settlement of the issues in this proceeding, and subject to the adjustments to rate base as noted herein, the Parties accept the evidence of Guelph Hydro that its forecast depreciation/amortization expenses are appropriate and reflect the useful lives of the assets and have been correctly determined in accordance with Board accounting policies and practices.

f) Taxes: For the purposes of settlement of the issues in this proceeding, and subject to the other adjustments arising in this Settlement Proposal, Guelph Hydro has agreed to adjust the apprentice tax credits from \$31,000 by \$34,000 to \$65,000 to reflect the correct tax credit adjustments and the additional tax credits for 2 additional apprentices in the test year. Subject to this adjustment, the Parties accept the evidence of Guelph Hydro that the proposed level of taxes is accurate. A working Microsoft Excel format of the PILs workform reflecting this Settlement Proposal is provided as part of the supporting material in file named "Guelph_Settlement_Updated_Test_year_Income_Tax_PILs_Workform".

A revised Appendix 2-W (Bill Impacts) in working Microsoft Excel format reflecting this Settlement Proposal is provided as part of the supporting material in file named "Guelph_Settlement_Updated_Filing Requirements_Chapter 2_Appendices".

Evidence:

Application:

- Exhibit 1, Tab 2, Schedule 1: Revenue Requirement;
- Exhibit 2, Rate Base in its entirety;
- Exhibit 3, Tab 3, Schedule 1: Other Revenue;
- Appendix 3-B: Chapter 2 Appendix 2-H Other Operating Revenue;
- Exhibit 6: Calculation of Revenue Deficiency in its entirety including Appendix
 6-A: Revenue Requirement Work Form

Interrogatory Responses:

- 1-Energy Probe-4, 2-Energy Probe-16, 2-Energy Probe-17, 3-Energy Probe-27, 6-Energy Probe-56
- 2-Staff-9, 6-Staff-55
- 2-VECC-10
- 1-SEC-3, 1-SEC-9, 1-SEC-10, 1-SEC-12, 1-SEC-15, Appendix 1-SEC-3, Appendix 1-SEC-9

Technical Conference Transcript of August 10, 2015:

Pages 68-69, 189-190

Undertaking Responses:

• JT1.12, JT1.34

Appendices to this Settlement Proposal:

Appendix A – 2016 Tariff of Rates and Charges

- Appendix C OEB Appendix 2-BA
- Appendix D Bill Impacts

Supporting Parties: All

2.2 Has the Base Revenue Requirement been accurately determined based on these elements?

Complete Settlement: For the purposes of settlement of the issues in this proceeding, and subject to the adjustments expressly noted in this Settlement Proposal, the Parties accept the evidence of Guelph Hydro that the proposed Base Revenue Requirement has been accurately determined.

A revised Revenue Requirement Workform in working Microsoft Excel format reflecting this Settlement Proposal is provided as part of the supporting material in file named "Guelph_Settlement_Updated_Rev_Reqt_Work_Form".

Evidence:

Application:

- Exhibit 1, Tab 2, Schedule 1: Revenue Requirement;
- Exhibit 2: Rate Base in its entirety;
- Exhibit 3, Tab 3, Schedule 1: Other Revenue;
- Appendix 3-B: Chapter 2 Appendix 2-H Other Operating Revenue;
- Exhibit 4: Operating Expenses in its entirety;
- Exhibit 5, Tab 2, Schedule 1: Cost of Capital (Return on Equity and Cost of Debt):
- Appendix 5-A: Chapter 2 Appendix 2-OA Capital Structure and Cost of Capital;
- Appendix 5-B: Chapter 2 Appendix 2-OB Debt Instruments;
- Appendix 5-C: Debentures Pricing

Interrogatory Responses:

- 1-Energy Probe-4, 2-Energy Probe-16, 2-Energy Probe-17, 4-Energy Probe-42, 5-Energy Probe-54, 5-Energy Probe-55, Appendix 5-Energy Probe-54-I, Appendix 5-Energy Probe-56-b
- 2-Staff-9, 5-Staff-53, 5-Staff-54
- 2-VECC-10, 3-VECC-32, 5-VECC-50 to 5-VECC-52

 1-SEC-3, 1-SEC-9, 1-SEC-10, 1-SEC-12, 1-SEC-15, Appendix 1-SEC-3, Appendix 1-SEC-9

Technical Conference Transcript of August 10, 2015:

Pages 10-13, 43

Undertaking Responses:

• JT1.1, JT1.7

Appendices to this Settlement Proposal:

- Appendix A 2016 Tariff of Rates and Charges
- Appendix C OEB Appendix 2-BA
- Appendix D Bill Impacts
- Appendix I Revenue Requirement Work Form

Supporting Parties: All

- 3 Load Forecast, Cost Allocation and Rate Design
- 3.1 Are the proposed load and customer forecast, loss factors, CDM adjustments and resulting billing determinants appropriate, and, to the extent applicable, are they an appropriate reflection of the energy and demand requirements of the applicant's customers?

Complete Settlement: The Parties accept the evidence of Guelph Hydro that the customer forecast, loss factors, CDM adjustments and, subject to the adjustment discussed below on load forecast, the resulting billing determinants are appropriate and are an appropriate reflection of the energy and demand requirements of the Applicant's customers.

For the purposes of settlement of the issues in this proceeding, with respect to load forecast, Guelph Hydro has agreed to increase the load forecast in the test year by 14 GWh on the wholesale number to reflect the Ontario budget forecast and other relevant economic considerations. The adjusted 2016 load forecast is presented below as Table 4:

Table 4 – 2016 Load Forecast

2016	2016					
Predicted	Predicted					
purchases	sales					
1,823	1,794					

The 2016 Load Forecast CDM adjustments and the 2016 LRAMVA threshold are presented in Appendix E of this Settlement.

A revised load forecast model in working Microsoft Excel format reflecting this Settlement Proposal is included together with this Settlement Proposal under file named "Guelph Settlement Weather Normalization Regression Model".

Evidence:

Application:

- Exhibit 3, Tab 1, Schedule 1: Load and Revenue Forecasts;
- Exhibit 3, Tab 1, Schedule 3: CDM Adjustment for the Load Forecast for Distributors;
- Appendix 3-A: Explanation of Results Returned by the Regression tool and the Monthly Data Used for Regression Analysis;
- Exhibit 8, Tab 9, Schedule 1: Loss Adjustment Factors;
- Appendix 8-B: Chapter 2 Appendix 2-R Loss Factors

Interrogatory Responses:

- 3-Energy Probe-22, 3-Energy Probe-23
- 3-Staff-43
- 3-VECC-20 to 3-VECC-31

Technical Conference Topics:

3-VECC-66

<u>Technical Conference Transcript of August 10, 2015:</u>

Pages 128-133

Appendices to this Settlement Proposal:

Appendix E – Settled Load Forecast

Supporting Parties: All

3.2 Are the proposed cost allocation methodology, allocations, and revenue-to-cost ratios appropriate?

Complete Settlement: Subject to adjustments described in issue 5.3 below, the Parties accept the evidence of Guelph Hydro that the cost allocation methodology, allocations and revenue-to-cost ratios are appropriate. These revenue-to-cost ratios are reproduced below in Table 5.

Table 5: Revenue-to-cost Ratios

Rate Class	2016 Cost Allocation Results	2016 Settlement Proposed Ratios
Residential	89.82%	93.32%
General Service < 50 kW	116.00%	116.00%
General Service 50 to 999 kW	108.54%	108.54%
General Service 1,000 to 4,999 kW	143.65%	120.00%
Large Use	86.06%	93.32%
Unmetered Scattered Load	153.23%	120.00%
Sentinel Lighting	109.33%	109.33%
Street Lighting	99.20%	99.20%

A revised working Microsoft Excel format of the cost allocation model from this Settlement Proposal is provided as part of the supporting material in file named "Guelph_Settlement_Updated_Detailed_CA_Model_RUN1".

Evidence:

Application:

 Exhibit 7: Cost Allocation in its entirety including Appendix 7-A: Cost Allocation – Appendix 2-P, and Appendix 7-B: 2016 Cost Allocation Information Filing

<u>Interrogatory Responses:</u>

- 7-Energy Probe-57, 7-Energy Probe-58, 8 Energy Probe-59
- 7-Staff-56, 7-Staff-57
- 7-VECC-53, 7-VECC-54

<u>Technical Conference Topics:</u>

• 7-VECC-69, 7-VECC-70

Technical Conference Transcript of August 10, 2015:

• Page 190

<u>Undertaking Responses:</u>

• JT1.35

Supporting Parties: All

3.3 Are the applicant's proposals, including the proposed fixed/variable splits, for rate design appropriate?

Complete Settlement: Subject to adjustments described in issue 5.3 below, the Parties accept the Applicant's proposals for rate design, including the proposed fixed/variable splits and the transformer allowance of \$64,558 (please see Guelph Hydro's proposal in its response to 8-Staff-58-b-iii) are appropriate. The rate design for residential class reflects the Board's *New Distribution Rate Design for Residential Electricity Customers (EB-2014-0210).*

The distribution charges resulting from settlement are produced below as Table 6:

Table 6: Distribution Charges

Rate Class	Proposed Monthly Service Charge	Unit of Measure	Proposed Distribution Volumetric Charge
Residential	\$18.93	kWh	\$0.0144
General Service < 50 kW	\$16.33	kWh	\$0.0137
General Service 50 to 999 kW	\$177.03	kW	\$2.6971
General Service 1,000 to 4,999 kW	\$560.00	kW	\$2.9942
Large Use	\$1,076.53	kW	\$2.6901
Unmetered Scattered Load	\$4.78	kWh	\$0.0218
Sentinel Lighting	\$7.39	kW	\$8.1829
Street Lighting	\$0.42	kW	\$10.0324
Transformer Allowance			(\$0.72)

A working Microsoft Excel format of the reconciliation of revenue reflecting the rate design from this Settlement Proposal is provided as part of the supporting material in file named

"Guelph_Settlement_Updated_Filing_RequirementsChapter2_Appendices", Tab"2-V Rev Reconciliation".

Evidence:

Application:

- Exhibit 8, Tab 1, Schedule 1: Fixed/Variable Proportion;
- Exhibit 8, Tab 2, Schedule 1: Rate Design Policy Consultation;
- Exhibit 8, Tab 10, Schedule 1: Tariff of Rates and Charges:
- Exhibit 8, Tab 11, Schedule 1: Revenue Reconciliation;
- Exhibit 8, Tab 12, Schedule 1: Bill Impact Information;
- Exhibit 8, Tab 13, Schedule 1: Rate Mitigation;
- Appendix 8-C: Chapter 2 Appendix 2-W Bill Impacts;

Interrogatory Responses:

- 8-Energy Probe-59, 8-Energy Probe-60
- 8-Staff-58, 8-Staff-61
- 8-VECC-61

Technical Conference Topics:

• 8-VECC-73, 8-VECC-74

Technical Conference Transcript of August 10, 2015:

Pages 198-199

Undertaking Responses:

JT1.36, Appendix JT1.36

Supporting Parties: All

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

Complete Settlement: For the purposes of the settlement of the issues in this proceeding, the Parties accept the evidence of Guelph Hydro that the proposed forecast of other regulated rates and charges including the proposed Retail Transmission Service Rates and Low Voltage service rates is appropriate.

The Retail Transmission Service Rates are produced below as Table 7:

Table 7: Retail Transmission Service Rates

Rate Class	Unit of Measure	Proposed RTSR - Network	Proposed RTSR - Connection
Residential	kWh	\$0.0074	\$0.0058
General Service < 50 kW	kWh	\$0.0068	\$0.0051
General Service 50 to 999 kW	kW	\$2.8441	\$2.1485
General Service 50 to 999 kW - Interval Metered	kW	\$2.9501	\$2.2291
General Service 1,000 to 4,999 kW - Interval Metered	kW	\$2.9501	\$2.2291
Large Use	kW	\$3.5626	\$2.6917
Unmetered Scattered Load	kWh	\$0.0068	\$0.0051
Sentinel Lighting	kW	\$2.1776	\$1.6451
Street Lighting	kW	\$2.6201	\$1.9794

The Low Voltage Service Rates are produced below as Table 8:

Table 8: Low Voltage Service Rates

Rate Class	Unit of Measure	Proposed LV Charges
Residential	kWh	\$0.0000
General Service < 50 kW	kWh	\$0.0000
General Service 50 to 999 kW	kW	\$0.0121
General Service 1,000 to 4,999 kW	kW	\$0.0000
Large Use	kW	\$0.0000
Unmetered Scattered Load	kWh	\$0.0000
Sentinel Lighting	kW	\$0.0089
Street Lighting	kW	\$0.0107

Evidence:

Application:

• Exhibit 8, Tab 3, Schedule 1: Retail Transmission Service Rates ("RTSRs");

- Exhibit 8, Tab 8, Schedule 1: Low Voltage Service Rates;
- Appendix 8-A: 2016 RTSR Adjustment Work Form

Interrogatory Responses:

- 8-Staff-59, 8-Staff-60
- 8-VECC-56, 8-VECC-57, 8-VECC-60

Supporting Parties: All

4 Accounting

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

Complete Settlement: For the purposes of the settlement of the issues in this proceeding, the Parties agree that Guelph Hydro should add a credit of \$806,396 (subject to change as a result of a new ROE which is yet to be determined by the OEB) to the opening balance of Account 1576 - Accounting Changes Under CGAAP. The balance in account 1576 reflects the difference in net PP&E at the end of 2015 resulting from a decrease in depreciation expense for 2014 and 2015 due to changes in estimates for PP&E useful lives (Guelph Hydro is required under IFRS to review and update useful lives annually).

The Parties agree that for all classes, except Residential, kWh or KW, as applicable, is an appropriate allocator for account 1576 and the allocation of balances to these classes based on the proposed 2016 load forecast. For the Residential class, the Parties agree that the 2016 number of customers is the appropriate allocator, in consideration of the requirement to consider a fixed rate rider as per the *Board Policy: A New Distribution Rate design for Residential Electricity Customers* (EB-2014-0210). The amount in Account 1576 will be disposed of over a one (1) year period.

Table 9 below reflects the calculation of 1576 account balance.

Table 10 below reflects the allocation of Account 1576 balance by Customer Class. If the Board does not approve the use of Account 1576 for this purpose, the Parties propose the creation and disposition of a new variance account to implement the settlement described as above.

Under IFRS, Guelph Hydro has an ongoing responsibility to review and update annually its PP&E useful lives, which could result in accounting changes and depreciation expenses. Guelph Hydro has also indicated that it may be reviewing its capitalization of overhead costs during the IRM term. This is because Guelph Hydro was the first LDC to convert to IFRS in 2010-2011, at which time many of

the accounting rules related to rate-regulated entities had not been fully developed. Therefore, the Parties agree to capture rate base impacts of capitalization and depreciation changes until the next rebasing application (references: 1-SEC-1 part (f); Exhibit 2/Tab2/Schedule 3/Section 2.5.2.3 Capitalization Policy, page 3; Transcript pages 28-31 and 67-68).

Table 11 below summarizes the proposed rate adder by class that results from the clearance of Account 1576 (or the new variance account, as applicable). The Parties agree on a one (1) year disposition period.

If the Board does not approve the use of Account 1576 for the purpose described in the settlement of issue 4.1, the Parties propose the creation and disposition of a new variance account to implement the settlement described in issue 4.1; this new account will apply to capitalization and/or depreciation rate changes during the next IRM term.

Table 9 – Account 1576 – Accounting Changes for Depreciation

Account 1576				
Accounting Changes for Depreciation Expe	nse			
		2014		2015
		Actual		Forecast
PP&E Values using original Useful Lives (UL)				
Opening Net PP&E, note 1	\$	120,582,538	\$	125,377,375
Net Additions, note 2		10,895,415		12,278,431
Net Depreciation, note 2		6,100,577		6,374,912
Closing Net PP&E	\$	125,377,375	\$	131,280,893
PP&E Values using 2014 updated Useful Lives (UL)				
Opening Net PP&E, note 1	\$	120,582,538	\$	125,740,621
Net Additions, note 2		10,895,415		12,278,431
Net Depreciation, note 2		5,737,331		5,981,825
Closing Net PP&E	\$	125,740,621	\$	132,037,227
Difference in Closing PP&E, Original UL v. Updated UL	(\$	363,246)	(\$	756,333
Effect on Deferral and Variance Account Rate Riders				
Closing balance in Account 1576			(\$	756,333
Return on Rate Base Associated with Account 1576 balance at WACC, note	3	·	(\$	49,119
Amount included in Deferral and Variance Account Rate Rider Calculation			(\$	805,452
Notes:				
1. Useful lives were reviewed and undated effective fiscal 2014, therefore) ~ ~	DDQ F Ia		1 2014

- 1. Useful lives were reviewed and updated effective fiscal 2014, therefore Opening PP&E January 1, 2014 would be the same at this date
- 2. Net additions are additions net of disposals. Net depreciation is additions to depreciation net of disposals
- 3. WACC = 6.49%, Disposition Period = 1 year

Table 10 - Allocation of 1576 Balance by Customer Class

Account	Amount	Allocator	Residential	General Service less than 50 kW	General Service 50 to 999 kW	General Service 1000 to 4999 kW		Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total
1576	-\$805,452	kWh	-\$173,562	-\$68,303	-\$180,115	-\$253,290	-\$125,087	-\$764	-\$10	-\$4,322	-\$805,452
Total Mete	ered kWh (1)		386,643,528	152,157,763	401,243,062	564,253,257	278,656,832	1,700,939	21,457	9,628,070	1,794,304,908
Allocated 5	%		21.55%	8.48%	22.36%	31.45%	15.53%	0.09%	0.00%	0.54%	100.00%

Table 11 - Rate Rider Calculation for Account 1576

1576 Rate Rider Recovery Period				1	year
Rate Class	Units	kW/kWh/No of Customers	Balance of Account 1576	Rate Rider for Account 1576	
Residential	# Customers	50,242	-\$173,562	-\$0.29	
General Service less than 50 kW	kWh	152,157,763	-\$68,303	-\$0.0004	
General Service 50 to 999 kW	kW	1,046,605	-\$180,115	-\$0.1721	
General Service 1000 to 4999 kW	kW	1,196,727	-\$253,290	-\$0.2117	
Large Use	kW	499,880	-\$125,087	-\$0.2502	
Unmetered Scattered Load	kWh	1,700,939	-\$764	-\$0.0004	
Sentinel Lighting	kW	60	-\$10	-\$0.1600	
Street Lighting	kW	26,693	-\$4,322	-\$0.1619	
Total			-\$805,452		

An updated EDDVAR Continuity Schedule in working Microsoft Excel format reflecting this Settlement Proposal is provided under file named "Guelph_Settlement_Updated_EDDVAR_Continuity_Schedule_CoS". This file also includes the calculation of the various riders discussed at 4.2 issue below.

Evidence:

Application:

- Exhibit 1, Tab 5, Schedule 1: Non-Consolidated Audited Financial Statements:
- Exhibit 1, Tab 5, Schedule 2: Reconciliation Between Financial Statements and Regulatory Financial Results;
- Exhibit 1, Tab 5, Schedule 3: Annual Report and Management's Discussion and Analysis;
- Exhibit 1, Tab 5, Schedule 7: Accounting Orders;
- Exhibit 1, Tab 5, Schedule 8: Accounting Standards;
- Appendix 1-K: Guelph Hydro 2013 Audited Financial Statements;
- Appendix 1-L: Guelph Hydro 2014 Audited Financial Statements;
- Appendix 1-M: Management Discussion and Analysis

Interrogatory Responses:

• 4-Energy Probe-49 to 4-Energy Probe-52, Appendix 4-Energy Probe-52-b

Supporting Parties: All

4.2 Are the applicant's proposals for deferral and variance accounts, including the balances in the existing accounts and their disposition, and the continuation of existing accounts, appropriate?

Complete Settlement: For the purposes of the settlement of the issues in this proceeding, the Parties agree as follows:

- i) OPEB Forecast Cash versus Forecast Accrual Differential **Deferral Account - Guelph Hydro is to establish a new deferral** account for the purpose of recording the difference in revenue requirement each year, starting in the test year, between both the capitalized and OM&A components of OPEBs accounted for using a forecasted cash basis (as to be reflected in rates if this settlement is accepted by the Board) and both capitalized and OM&A components of OPEBs accounted for using a forecasted accrual basis. Carrying charges will not apply to this deferral account. If the Board determines that LDCs must only include in rates OPEBs accounted for using a forecasted cash basis, Guelph Hydro will seek to discontinue this account without seeking disposition of the amounts recorded in this account. If the Board determines that LDCs may recover OPEBs in rates using a forecasted accrual accounting methodology, the Parties agree that Guelph Hydro will be permitted to seek disposition of this account to recover the amounts so recorded in its next cost of service rate application. Guelph Hydro will propose a disposition period over which the account should be recovered depending on the quantum in the account and the potential rate impacts at the time. A draft accounting order for this account is attached as Appendix G to this Settlement Proposal.
- ii) Wireless Attachments Variance Account Guelph Hydro is to establish a new variance account for the purpose of recording any net incremental revenues received from new wireless attachments to Guelph Hydro's distribution system at any time during the term of the current 4GIRM plan. The revenues recorded in this account will be net of all costs associated with administering and facilitating the installation of such wireless attachments. If the amounts in this account exceed Guelph Hydro's materiality threshold, Guelph Hydro will seek disposition of this account at the time of its next rebasing application. If the amounts in this account do not exceed Guelph Hydro's materiality threshold, Guelph Hydro will seek to discontinue this account without seeking disposition of the amounts recorded in this account. A draft accounting order for this account is found in Appendix H to this Settlement Proposal.

iii) Guelph Hydro further agrees to dispose of the balances of the LRAMVA up to 2013 based on the 2013 final results that are currently available. Guelph Hydro notes that it is its intention to seek the future disposal of the any remaining balance for 2014 and forward upon receipt of verified actual results.

The resulting amount requested for disposition and the proposed LRAMVA rate riders are presented below as Table 12:

Table 12
Rate Rider Calculation for Accounts 1568

Please indicate the Rate Rider Recovery Period (in years) 1

Rate Class	Units	kW / kWh / # of		Balance of	Rate Rider for
(Enter Rate Classes in cells below)	Oilles	Customers		Account 1568	Account 1568
RESIDENTIAL	kWh	386,643,528	\$	3,000	0.0000
GENERAL SERVICE LESS THAN 50 KW	kWh	152,157,763	\$	24,349	0.0002
GENERAL SERVICE 50 TO 999 KW	kW	1,046,605	\$	43,572	0.0416
GENERAL SERVICE 1,000 TO 4,999 KW	kW	1,196,727	\$	28,363	0.0237
LARGE USE	kW	499,880	\$	204,485	0.4091
UNMETERED SCATTERED LOAD	kWh	1,700,939	-\$	1,149	- 0.0007
SENTINEL LIGHTING	kW	60	\$	-	-
STREET LIGHTING	kW	26,693	\$	-	-
Total			\$	302,621	

For the purposes of the settlement of the issues in this proceeding, and subject to the above, the Parties agree that all of the Applicant's other proposals for deferral and variance accounts, including the balances in the existing accounts and their disposition and the continuation of existing accounts, are appropriate. The entire proposal for the treatment and disposition of all deferral and variance accounts are detailed in the file named

"Guelph_Settlement_Updated_EDDVAR_Continuity_Schedule_CoS".

Evidence:

Application:

- Exhibit 4, Tab 6, Schedule 1: Lost Revenue Adjustment Mechanism;
- Exhibit 4, Tab 6, Schedule 2: LRAM for Pre-2011 CDM Activities;
- Exhibit 4, Tab 6, Schedule 3: LRAM Variance Account (LRAMVA):
- Appendix 4-F: 2011 to 2013 Verified OPA Final and 2014 Preliminary CDM Results:
- Exhibit 9: Deferral and Variance Accounts in its entirety including Appendix 9-A: DVA Continuity Schedule

<u>Interrogatory Responses:</u>

4-Energy Probe-53, 9-Energy Probe-61

- 4-Staff-52
- 3-VECC-27, 4-VECC-48, 4-VECC-49, 4-VECC-62, 9-VECC-64, Appendix 9-VECC-64

<u>Technical Conference Topics:</u>

4-VECC-68

Technical Conference Transcript of August 10, 2015

Pages 209-210

Appendices to this Settlement Proposal:

- Appendix G OPEB Draft Accounting Order Appendix 2-AB
- Appendix H Wireless Attachment Draft Accounting Order
- Appendix I Revenue Requirement Work Form

Supporting Parties: All

5 Other

5.1 Are the proposed new Specific Service Charges appropriate (i.e. Bond Connection – Underground, Bond Connection – Overhead)?

Complete Settlement: For the purposes of the settlement of the issues in this proceeding, the Parties accept the evidence of Guelph Hydro that the new Specific Service Charges are appropriate because the new specific charges are based on Guelph Hydro's actual cost reflected in its work orders to complete the overhead and underground Bond Connections, and the new Specific Service Charges were calculated in accordance with the Board's 2006 Electricity Distribution Rate Handbook.

Evidence:

Application:

- Exhibit 1, Tab 7, Schedule 3, page 2;
- Exhibit 8, Tab 6, Schedule 1: Specific Service Charges

Interrogatory Responses:

- 8-Staff-63, Appendix 8-Staff-63
- 8-VECC-58

Technical Conference Topics:

8-VECC-76

Supporting parties: All

5.2 Is the proposed level and application of the e-billing credit appropriate?

Complete Settlement: For the purposes of settlement of the issues in this proceeding, the Parties agree that Guelph Hydro's proposed one-time \$10 e-billing credit and associated \$60,000 OM&A cost is appropriate. The Parties further agree that this credit should also be offered to customers who signed-up prior to the test year, and that Guelph Hydro should be permitted to recover the \$40,000 associated with these credits as a one-time expense in 2016, amortized over the full 5 years of the IRM plan. These amounts are encompassed within, and are not in addition to, the settlement on issue 1.2 above.

Evidence:

Application:

- Exhibit 1, Tab 7, Schedule 3, page 2;
- Exhibit 8, Tab 6, Schedule 1, page 3

<u>Interrogatory Responses:</u>

- 8-Energy Probe-60
- 8-Staff-64
- 8-VECC-59

Supporting Parties: All

5.3 Are the proposed new standby rates for the General Service > 50kw rate classes appropriate?

Complete Settlement: For the purposes of the settlement of the issues in this proceeding, the Parties accept the proposal of Guelph Hydro for the interim Standby Rates for its General Service > 50 kW customer classes. The revised description is as follows:

"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."

"MONTHLY RATES AND CHARGES - Delivery Component:

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. The applicable rate is the approved Distribution Volumetric Rate of the applicable service class and is applied as follows:

- 1. Distribution volumetric charges and all other charges such as RTSRs are applied to the highest demand amount on the load meter in the billing period
- 2. The demand amount on both meters, load and generation, are added together and highest demand amount is determined in the billing period.
- 3. Standby charges are applied to difference between the demand amounts in 2 minus 1.

Subject to this adjustment, the Parties accept the evidence of Guelph Hydro that the proposed new interim standby rates for the General Service > 50kw rate classes are appropriate. The standby rates are appropriate because they recovered the cost for keeping Guelph Hydro's assets available for the required power when load displacement generation is not available.

Evidence:

Application:

- Exhibit 1, Tab 7, Schedule 3, page 2;
- Exhibit 8, Tab 1, Schedule 1, page 12 to 14

<u>Interrogatory Responses:</u>

- 8-Staff-62
- 8-VECC-55

Technical Conference Topics:

- 7-VECC-72, 8-VECC-75
 Appendices to this Settlement Proposal:
- Appendix A 2016 Tariff of Rates and Charges

Supporting Parties: All

5.4 Is the proposal for recovery of Zigbee Chip costs appropriate?

Complete Settlement: For the purposes of the settlement of the issues in this proceeding and subject to the change described in issue 1.1 above, the Parties agree that proposal for recovery of Zigbee Chip costs is appropriate. Guelph Hydro filed a business plan sufficient to support the cost recovery, and Guelph Hydro has demonstrated that the Zigbee Chips are now used and useful.

Evidence:

Application:

- Exhibit 1, Tab 2, Schedule 8, page 3;
- Exhibit 9, Tab 7, Schedule 1, page 4 to 9

Interrogatory Responses:

- 9-Energy Probe-62, Appendix 9-Energy Probe-62-a
- 2-Staff-12, 9-Staff-65
- 9-VECC-63
- 2-SEC-19

Technical Conference Transcript of August 10, 2015:

Pages 206-209

Undertaking Responses:

• JT1.37, Appendix JT1.37

Appendices to this Settlement Proposal:

Appendix C – OEB Appendix 2-BA

Supporting Parties: All

Guelph Hydro Electric Systems Inc. EB-2015-0073 Settlement Proposal

Appendix A – 2016 Tariff of Rates and Charges

See attached, as revised to reflect this Settlement Proposal.

Effective and Implementation Date January 1, 2016

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

EB-2015-0073

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Standard Supply Service - Administrative Charge (if applicable)

Service Charge	\$	18.93
Rate Rider for Recovery of Stranded Meter Assets – effective until March 31, 2016	\$	0.73
Rate Rider for Disposition of Post Retirement Actuarial Gain – effective until March 31, 2025	\$	(0.18)
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	0.79
Rate Rider for Disposition of Account 1576 – Accounting Changes – effective until December 31, 2016	\$	(0.29)
Distribution Volumetric Rate	\$/kWh	0.0144
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016		
Applicable only for Non-RPP Customers	\$/kWh	0.0034
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kWh	0.0000
Rate Rider for Disposition of Deferred PILs Variance Account 1562 – effective until March 31, 2016	\$/kWh	0.0007
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM)/Shared Savings Mechanism (S	,	
- effective until March 31, 2016	\$/kWh	0.0003
Rate Rider for Disposition of LRAM Variance Account (2016) – effective until December 31, 2016	\$/kWh	0.0000
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0074
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0058
MONTHLY RATES AND CHARGES – Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013

0.25

Effective and Implementation Date January 1, 2016

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

EB-2015-0073

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Rural or Remote Electricity Rate Protection Charge (RRRP)

Standard Supply Service – Administrative Charge (if applicable)

Service Charge	\$	16.33
Rate Rider for Recovery of Stranded Meter Assets – effective until March 31, 2016	\$	0.73
Rate Rider for Disposition of Post Retirement Actuarial Gain – effective until March 31, 2025	\$	(0.50)
Rate Rider for Smart Metering Entity Charge – effective until October 31, 2018	\$	Ò.79 [°]
Distribution Volumetric Rate	\$/kWh	0.0137
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016		
Applicable only for Non-RPP Customers	\$/kWh	0.0034
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kWh	(0.0002)
Rate Rider for Disposition of Deferred PILs Variance Account 1562 – effective until March 31, 2016	\$/kWh	0.0004
Rate Rider for Disposition of Account 1576 – Accounting Changes – effective until December 31, 2016	\$/kWh	(0.0004)
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM)/Shared Savings Mechanism (SS		
effective until March 31, 2016	\$/kWh	0.0001
Rate Rider for Disposition of LRAM Variance Account (2016) – effective until December 31, 2016	\$/kWh	0.0002
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0051
MONTHLY RATES AND CHARGES – Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0044

0.0013

0.25

\$/kWh

Effective and Implementation Date January 1, 2016

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

EB-2015-0073

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge	\$	177.03
Rate Rider for Disposition of Post Retirement Actuarial Gain – effective until March 31, 2025	\$	(3.80)
Distribution Volumetric Rate	\$/kW	2.6971
Low Voltage Service Rate	\$/kW	0.0121
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016		
Applicable only for Non-RPP and Non-Wholesale Market Participant Customers	\$/kW	1.2841
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kW	(0.1229)
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016		
Applicable only for Wholesale Market Participant Customers	\$/kW	0.0050
Rate Rider for Disposition of Deferred PILs Variance Account 1562 – effective until March 31, 2016	\$/kW	0.0614
Rate Rider for Disposition of Account 1576 – Accounting Changes – effective until December 31, 2016	\$/kW	(0.1721)
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM)/Shared Savings Mechanism (SS	M)	
effective until March 31, 2016	\$/kW	0.0065
Rate Rider for Disposition of LRAM Variance Account (2016) – effective until December 31, 2016	\$/kW	0.0416
Retail Transmission Rate – Network Service Rate	\$/kW	2.8441
Retail Transmission Rate – Network Service Rate – Interval Metered	\$/kW	2.9501
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	2.1485
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval Metered	\$/kW	2.2291

Effective and Implementation Date January 1, 2016

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

EB-2015-0073

GENERAL SERVICE 50 to 999 kW SERVICE CLASSIFICATION

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date January 1, 2016

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

EB-2015-0073

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge Rate Rider for Disposition of Post Retirement Actuarial Gain – effective until March 31, 2025 Distribution Volumetric Rate	\$ \$ \$/kW	560.00 (46.33) 2.9942
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016 Applicable only for Class B Customers	\$/kW	1.5880
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kW	(0.1363)
Rate Rider for Disposition of Deferred PILs Variance Account 1562 – effective until March 31, 2016	\$/kW	0.0567
Rate Rider for Disposition of Account 1576 – Accounting Changes – effective until December 31, 2016 Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM)/Shared Savings Mechanism (SSM	\$/kW 1)	(0.2117)
- effective until March 31, 2016	\$/kW	0.0061
Rate Rider for Disposition of LRAM Variance Account (2016) – effective until December 31, 2016	\$/kW	0.0237
Retail Transmission Rate – Network Service Rate – Interval Metered	\$/kW	2.9501
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval Metered	\$/kW	2.2291
MONTHLY RATES AND CHARGES – Regulatory Component		

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date January 1, 2016

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

EB-2015-0073

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

APPLICATION

Wholesale Market Service Rate

Rural or Remote Electricity Rate Protection Charge (RRRP)

Standard Supply Service – Administrative Charge (if applicable)

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

	•	
Service Charge	\$	1,076.53
Rate Rider for Disposition of Post Retirement Actuarial Gain – effective until March 31, 2025	\$	(151.18)
Distribution Volumetric Rate	\$/kW	2.6901
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kW	(0.1660)
Rate Rider for Disposition of Deferred PILs Variance Account 1562 – effective until March 31, 2016	\$/kW	0.0373
Rate Rider for Disposition of Account 1576 – Accounting Changes – effective until December 31, 2016	\$/kW	(0.2502)
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM)/Shared Savings Mechanism (SSM	/ I)	
- effective until March 31, 2016	\$/kW	0.0099
Rate Rider for Disposition of LRAM Variance Account (2016) – effective until December 31, 2016	\$/kW	0.4091
Retail Transmission Rate – Network Service Rate – Interval Metered	\$/kW	3.5626
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval Metered	\$/kW	2.6917
MONTHLY RATES AND CHARGES – Regulatory Component		

\$/kWh

\$/kWh

0.0044

0.0013

0.25

Effective and Implementation Date January 1, 2016

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

EB-2015-0073

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Standard Supply Service – Administrative Charge (if applicable)

Service Charge (per connection) Rate Rider for Disposition of Post Retirement Actuarial Gain – effective until March 31, 2025 Distribution Volumetric Rate	\$ \$ \$/kWh	4.78 (0.05) 0.0218
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016 Applicable only for Non-RPP Customers	\$/kWh	0.0034
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kWh	(0.0004)
Rate Rider for Disposition of Deferred PILs Variance Account 1562 – effective until March 31, 2016	\$/kWh	0.0004 ´
Rate Rider for Disposition of Account 1576 – Accounting Changes – effective until December 31, 2016	\$/kWh	(0.0004)
Rate Rider for Recovery of Lost Revenue Adjustment Mechanism (LRAM)/Shared Savings Mechanism (SS	SM)	
- effective until March 31, 2016	\$/kWh	0.0048
Rate Rider for Disposition of LRAM Variance Account (2016) – effective until December 31, 2016	\$/kWh	(0.0007)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0051
MONTHLY RATES AND CHARGES – Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013

0.25

Effective and Implementation Date January 1, 2016

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

EB-2015-0073

STANDBY POWER SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

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.

Effective and Implementation Date January 1, 2016

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

EB-2015-0073

SENTINEL LIGHTING SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES – Delivery Component

Service Charge (per connection)	\$	7.39
Rate Rider for Disposition of Post Retirement Actuarial Gain – effective until March 31, 2025	\$	(0.11)
Distribution Volumetric Rate	\$/kW	8.1829
Low Voltage Service Rate	\$/kW	0.0089
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016		
Applicable only for Non-RPP Customers	\$/kW	1.2005
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kW	(0.6580)
Rate Rider for Disposition of Deferred PILs Variance Account 1562 – effective until March 31, 2016	\$/kW	0.3253
Rate Rider for Disposition of Account 1576 – Accounting Changes – effective until December 31, 2016	\$/kW	(0.1600)
Rate Rider for Disposition of LRAM Variance Account (2016) – effective until December 31, 2016	\$/kW	0.0000
Retail Transmission Rate – Network Service Rate	\$/kW	2.1776
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.6451
MONTHLY RATES AND CHARGES – Regulatory Component		

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date January 1, 2016

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

EB-2015-0073

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 OEB street lighting load shape template. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

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Service Charge (per connection)	\$	0.42
Rate Rider for Disposition of Post Retirement Actuarial Gain – effective until March 31, 2025	\$	(0.01)
Distribution Volumetric Rate	\$/kW	10.0324
Low Voltage Service Rate	\$/kW	0.0107
Rate Rider for Disposition of Global Adjustment Account (2016) – effective until December 31, 2016		
Applicable only for Non-RPP Customers	\$/kW	1.2148
Rate Rider for Disposition of Deferral/Variance Accounts (2016) – effective until December 31, 2016	\$/kW	(0.1255)
Rate Rider for Disposition of Deferred PILs Variance Account 1562 – effective until March 31, 2016	\$/kW	0.0738
Rate Rider for Disposition of Account 1576 – Accounting Changes – effective until December 31, 2016	\$/kW	(0.1619)
Rate Rider for Disposition of LRAM Variance Account (2016) – effective until December 31, 2016	\$/kW	0.0000
Retail Transmission Rate – Network Service Rate	\$/kW	2.6201
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.9794

MONTHLY RATES AND CHARGES – Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0044
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date January 1, 2016

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

EB-2015-0073

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge \$ 5.40

Effective and Implementation Date January 1, 2016

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

EB-2015-0073

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 and energy	%	(1.00)

SPECIFIC SERVICE CHARGES

APPLICATION

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

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

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

Customer Administration Arrears Certificate

Afrears Certificate	Ф	15.00
Returned Cheque (plus bank charges)	\$	8.55
Account setup charge/change of occupancy charge (plus credit agency costs if applicable)	\$	8.75
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	10.00
Credit Service Charge for paperless bill	\$	(10.00)
Non-Payment of Account		
Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Collection of account charge – no disconnection	\$	9.00
Disconnect/Reconnect at Meter – during regular hours	\$	20.00
Disconnect/Reconnect at Meter - after regular hours	\$	50.00
Disconnect/Reconnect at Pole – during regular hours	\$	50.00
Disconnect/Reconnect at Pole – after regular hours	\$	95.00
Other		
Service Call – customer-owned equipment	\$	17.50
Service Call – after regular hours	\$	95.00
Specific Charge for Access to the Power Poles – per pole/year	\$	22.35
Overhead Bond Connection – per connection	\$	105.00
Underground Bond Connection – per connection	\$	100.00
	Ψ	. 30.00

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Effective and Implementation Date January 1, 2016

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

EB-2015-0073

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

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

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

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

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

LOSS FACTORS

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

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0260
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0137
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0157
Total Loss Factor – Primary Metered Customer > 5.000 kW	1.0036

	Guelph Hydro Electric Systems Inc. EB-2015-0073 Settlement Proposal
Appendix B – OEB Appendix 2-	АВ

See attached for an updated Appendix 2-AB revised to reflect this Settlement Proposal

Appendix 2-AB

Table 2 - Capital Expenditure Summary from Chapter 5 Consolidated Distribution System Plan Filing Requirements

First year of Forecast Period: 2016

The year of Forester Final 2010																						
		Historical Period (previous plan ¹ & actual)														Forecast Period (planned)						
CATEGORY		2011		2012				2013			2014			2015		2016	2017	2018	2019	2020		
CATEGORY	Plan	Actual	Var	Plan	Actual	Var	Plan	Actual	Var	Plan	Actual	Var	Plan	Actual ²	Var	2016	2017	2010	2019	2020		
		-	%			%			%			%			%							
System Access	N/A	6,574,742		N/A	5,018,365	ı	N/A	4,229,054	-	N/A	4,886,595	1	N/A	5,846,937	-	5,397,045	5,496,506	5,670,452	5,829,015	5,982,336		
System Renewal	N/A	1,648,262		N/A	2,536,522	ı	N/A	2,830,493	-	N/A	3,726,430	1	N/A	3,960,130	-	4,478,934	4,613,302	4,751,701	4,894,252	5,041,080		
System Service	N/A	16,898,611		N/A	3,139,974	ı	N/A	3,185,982	-	N/A	2,250,748	1	N/A	3,842,621	-	1,858,400	1,914,152	1,971,576	2,030,724	2,091,645		
General Plant	N/A	1,052,721		N/A	984,738	ı	N/A	1,220,577	-	N/A	2,359,438	1	N/A	2,212,704	-	2,195,685	1,431,505	1,474,450	1,518,684	1,564,244		
TOTAL EXPENDITURE	ı	26,174,335		-	11,679,598	1	-	11,466,106	1	-	13,223,211	-	ı	15,862,392	1	13,930,063	13,455,465	13,868,179	14,272,674	14,679,305		
System O&M	-	5,379,426		-	5,619,519	1	-	6,425,264	-	-	6,784,094	-	-	7,186,934	-	7,856,913	7,966,910	8,078,446	8,191,545	8,306,226		

Notes to the Table:

1. Historical "previous plan" data is not required unless a plan has previously been filed

2. Indicate the number of months of 'actual' data included in the last year of the Historical Period (normally a 'bridge' year):

2014 are full year actual results
2015 Bridge Year is a forecast, no "actual results are included.

Guelph Hydro Electric Systems Inc. EB-2015-0073 Settlement Proposal

Appendix C – OEB Appendix 2-BA

See attached for an updated Appendix 2-BA revised to reflect this Settlement Proposal.

Appendix 2-BA **Fixed Asset Continuity Schedule**

Accounting Standard MIFRS Year 2015

		1		Co	st				Accumulated [Depreciation		I
CCA			Opening	l <u> </u>	Ī	Closing		Opening			Closing	Net Book
Class	OEB	Description	Balance	Additions	Disposals	Balance		Balance	Additions	Disposals	Balance	Value
12	1611	Computer Software (Formally known as Account 1925)	\$ 613,818	\$ 522,302	\$ -	\$ 1,136,120	-\$	226,055	-\$ 174,994	\$ -	-\$ 401,049	\$ 735,071
CEC	1612	Land Rights (Formally known as Account 1906)				\$ -					\$ -	\$ -
N/A	1805	Land	\$ 4,379,383	\$ -	\$ -	\$ 4,379,383	\$	-	\$ -	\$ -	\$ -	\$ 4,379,383
47	1808	Buildings	\$ 16,577,608	\$ 255,000	\$ -	\$ 16,832,608	-\$	2,684,716	-\$ 712,345	\$ -	-\$ 3,397,062	\$ 13,435,547
13	1810	Leasehold Improvements	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -
47	1815	Transformer Station Equipment >50 kV	\$ 15,820,672	\$ 982,000	\$ -	\$ 16,802,672	-\$	1,540,701	-\$ 415,905	\$ -	-\$ 1,956,606	\$ 14,846,066
47	1820	Distribution Station Equipment <50 kV	\$ 1,668,064	\$ 1,250,000	\$ -	\$ 2,918,064	-\$	231,208	-\$ 62,955	\$ -	-\$ 294,163	\$ 2,623,901
47	1825	Storage Battery Equipment	\$ -	\$ -	\$ -	\$ -	\$	1	\$ -	\$ -	\$ -	\$ -
47	1830	Poles, Towers & Fixtures	\$ 20,020,330	\$ 2,850,291	\$ -	\$ 22,870,621	-\$	2,311,319	-\$ 524,048	\$ -	-\$ 2,835,367	\$ 20,035,254
47	1835	Overhead Conductors & Devices	\$ 14,655,669	\$ 1,385,877	\$ -	\$ 16,041,546	-\$	1,534,516	-\$ 320,748	\$ -	-\$ 1,855,264	\$ 14,186,282
47	1840	Underground Conduit	\$ 36,955,660	\$ 4,641,626	\$ -	\$ 41,597,286	-\$	4,758,178	-\$ 845,596	\$ -	-\$ 5,603,773	\$ 35,993,512
47	1845	Underground Conductors & Devices	\$ 32,562,340	\$ 1,748,902	\$ -	\$ 34,311,242	-\$	5,091,798	-\$ 1,161,789	\$ -	-\$ 6,253,587	\$ 28,057,655
47	1850	Line Transformers	\$ 15,130,851	\$ 1,526,293	\$ -	\$ 16,657,144	-\$	2,319,643	-\$ 525,413	\$ -	-\$ 2,845,057	\$ 13,812,087
47	1855	Services (Overhead & Underground)	\$ 6,642,807	\$ 1,387,904	\$ -	\$ 8,030,711	-\$	1,319,926	-\$ 297,439	\$ -	-\$ 1,617,365	\$ 6,413,345
47	1860	Meters	\$ 15,117,169	\$ 1,010,000	\$ -	\$ 16,127,169	-\$	4,150,056	-\$ 903,549	\$ -	-\$ 5,053,605	\$ 11,073,564
47	1860	Meters (Smart Meters)				\$ -					\$ -	\$ -
N/A	1905	Land	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -
47	1908	Buildings & Fixtures	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -
13	1910	Leasehold Improvements	\$ -	\$ -	\$ -	\$ -	\$		\$ -	\$ -	\$ -	\$ -
8	1915	Office Furniture & Equipment (10 years)	\$ 786,244	\$ 58,000	\$ -	\$ 844,244	-\$	418,342	-\$ 151,756	\$ -	-\$ 570,098	\$ 274,145
8	1915	Office Furniture & Equipment (5 years)	\$ -			\$ -	\$	-			\$ -	\$ -
10	1920	Computer Equipment - Hardware	\$ 2,426,538	\$ 680,000	\$ -	\$ 3,106,538	-\$	1,582,775	-\$ 336,411	\$ -	-\$ 1,919,187	\$ 1,187,351
45	1920	Computer EquipHardware(Post Mar. 22/04)				s -					\$ -	\$ -
45.1	1920	Computer EquipHardware(Post Mar. 19/07)				s -					\$ -	\$ -
10	1930	Transportation Equipment	\$ 3,175,359	\$ 739,332	\$ -	\$ 3,914,691	-\$	1,290,900	-\$ 424,706	\$ -	-\$ 1,715,606	\$ 2,199,086
8	1935	Stores Equipment	\$ 54	\$ -	\$ -	\$ 54	-\$	54	\$ -	\$ -	-\$ 54	\$ 0
8	1940	Tools, Shop & Garage Equipment	\$ 762,938	\$ 64,000	\$ -	\$ 826,938	-\$	391,400	-\$ 82,903	\$ -	-\$ 474,303	\$ 352,635
8	1945	Measurement & Testing Equipment	\$ 2,974	\$ -	\$ -	\$ 2,974	-\$	2,974	\$ -	\$ -	-\$ 2,974	\$ 0
8	1950	Power Operated Equipment	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -
8	1955	Communications Equipment	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -
8	1955	Communication Equipment (Smart Meters)				\$ -					\$ -	\$ -
8	1960	Miscellaneous Equipment	\$ 214,353	\$ -	\$ -	\$ 214,353	-\$	214,352	\$ -	\$ -	-\$ 214,352	\$ 1
	4070	Load Management Controls Customer										
47	1970	Premises	\$ 136,371	\$ -	\$ -	\$ 136,371	-\$	54,734	-\$ 10,437	\$ -	-\$ 65,171	\$ 71,200
47	1975	Load Management Controls Utility Premises	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -
47	1980	System Supervisor Equipment	\$ 1,514,061	\$ 218,000	\$ -	\$ 1,732,061	-\$	796,685	-\$ 196,722	\$ -	-\$ 993,407	\$ 738,655
47	1985	Miscellaneous Fixed Assets	\$ 6,157	\$ -	\$ -	\$ 6,157	-\$	6,157	\$ -	\$ -	-\$ 6,157	\$ 0
47	1990	Other Tangible Property	\$ -	\$ -	\$ -	\$ -	\$	-	\$ -	\$ -	\$ -	\$ -
47	1995	Contributions & Grants	-\$ 42,371,738	-\$ 3,057,000	\$ -	-\$ 45,428,738	\$	4,588,130	\$ 1,165,942	\$ -	\$ 5,754,072	-\$ 39,674,666
	2070	Other Utility Plant	\$ 398	\$ -	\$ -	\$ 398	-\$	154	-\$ 51	\$ -	-\$ 205	\$ 193
						\$ -	-			_	\$ -	\$ -
	0055	Sub-Total before Work in Process	\$ 146,798,080	\$ 16,262,527	\$ -	\$ 163,060,606		26,338,513	-\$ 5,981,825	> -	-\$ 32,320,338	\$ 130,740,268
	2055	Work in Process - Non-Distribution assets	\$ 605,634	\$ 500,000	-\$ 605,634	\$ 500,000	\$	•			\$ -	\$ 500,000
	2055	Work in Process - Distribution system	\$ 4,551,893	\$ 1,200,000	-\$ 4,551,893	\$ 1,200,000	\$	-			\$ -	\$ 1,200,000
	2055	Work in Process - AFUDC	\$ 123,528	\$ 96,959	-\$ 123,528	\$ 96,959	\$	-			\$ -	\$ 96,959
		Less Socialized Renewable Energy Generation Investments (input as negative)				•					\$ -	Φ.
		Less Other Non Rate-Regulated Utility				\$ -					φ -	\$ -
		Assets (input as negative)				\$ -					\$ -	\$ -
		Total PP&E	\$ 152,079,134	\$ 18,059,486	-\$ 5,281,055	\$ 164,857,565	-\$	26,338,513	-\$ 5,981,825	\$ -	-\$ 32,320,338	\$ 132,537,227
		Depreciation Expense adj. from gain or lo										
		Total				,,			-\$ 5,981,825			
					, 0,00., 02 0							

10	Т	ransportation
8	S	tores Equipment

 Less: Fully Allocated Depreciation

 Transportation
 -\$ 424,706

 Stores Equipment
 -\$ 82,903

 Net Depreciation
 -\$ 5,474,217

Appendix 2-BA **Fixed Asset Continuity Schedule**

Accounting Standard MIFRS 2016 Year

			Cost											Accu	mulated D	Depreciation				Ī	
CCA								ening													
Class	OEB	Description		Balance	Add	litions	Disp	osals		Balance		Bal	lance	Ac	ditions	Di	isposals	Clos	sing Balance	Ne	Book Value
12	1611	Computer Software (Formally known as Account 1925)	\$	1,136,120	\$	93,000	\$	_	\$	1,229,120	-\$	5	401,049	-\$	218,459	\$	-	-\$	619,508	\$	609,612
CEC	1612	Land Rights (Formally known as Account 1906)							\$	-								\$	-	\$	-
N/A	1805	Land	\$	4,379,383	\$	-	\$	-	\$	4,379,383	\$)	-	\$		\$	-	\$	-	\$	4,379,383
47	1808	Buildings	\$	16,832,608	\$ 1,	304,000	\$	-	\$	18,136,608	-\$	3,	,397,062	-\$	734,102	\$	-	-\$	4,131,164	\$	14,005,445
13	1810	Leasehold Improvements	\$	-	\$	-	\$	-	\$	-	\$		-	\$	-	\$	-	\$	-	\$	-
47	1815	Transformer Station Equipment >50 kV	\$	16,802,672	\$	599,000	\$	-	\$	17,401,672	-\$	1,	,956,606	-\$	435,667	\$	-	-\$	2,392,274	\$	15,009,399
47	1820	Distribution Station Equipment <50 kV	\$	2,918,064	\$	-	\$	-	\$	2,918,064	-\$		294,163	-\$	78,580	\$	-	-\$	372,743	\$	2,545,320
47	1825	Storage Battery Equipment	\$	-	\$	-	\$	-	\$	-	\$		-	\$	-	\$	-	\$	-	\$	-
47	1830	Poles, Towers & Fixtures	\$	22,870,621	\$ 2,	209,145	\$	-	\$	25,079,766	-\$	2	,835,367	-\$	574,117	\$	-	-\$	3,409,484	\$	21,670,282
47	1835	Overhead Conductors & Devices	\$	16,041,546		074,137	\$	-		17,115,683	-\$,855,264	-\$	343,375	\$	-	-\$	2,198,639		14,917,044
47	1840	Underground Conduit	\$	41,597,286		678,537	\$	-		45,275,823	-\$,603,773	-\$	928,198	\$	-	-\$	6,531,971		38,743,852
47	1845	Underground Conductors & Devices	\$	34,311,242		355,503	\$	-		35,666,745	-\$,253,587	-\$	1,199,753	\$	-	-\$	7,453,340	\$	28,213,405
47	1850	Line Transformers	\$	16,657,144		182,968	\$	-		17,840,112	-\$			-\$	554,612	\$	-	-\$	3,399,669		14,440,443
47	1855	Services (Overhead & Underground)	\$	8,030,711	\$ 1,	075,710	\$	-	\$	9,106,421	-\$,617,365	-\$	337,371	\$	-	-\$	1,954,737		7,151,684
47	1860	Meters (1)	\$	16,727,823	\$	415,000	\$	-		17,142,823	-\$	5 5	,272,554	-\$	967,941	\$	-	-\$	6,240,495		10,902,328
47	1860	Meters (Smart Meters)							\$	-								\$	-	\$	-
N/A	1905	Land	\$	-	\$	-	\$	-	\$	-	\$		-	\$	-	\$	-	\$	-	\$	-
47	1908	Buildings & Fixtures	\$	-	\$	-	\$	-	\$	-	\$		-	\$	-	\$	-	\$	-	\$	-
13		Leasehold Improvements	\$	-	\$	-	\$	-	\$	-	\$		-	\$	-	\$	-	\$	-	\$	-
8	1915	Office Furniture & Equipment (10 years)	\$	844,244	\$	163,000	\$	-	\$	1,007,244	-\$		570,098	-\$	57,747	\$	-	-\$	627,845	\$	379,399
8	1915	Office Furniture & Equipment (5 years)	\$	-					\$	-	\$		-					\$	-	\$	-
10	1920	Computer Equipment - Hardware	\$	3,106,538	\$	497,000	\$	-	\$	3,603,538	-\$	1,	,919,187	-\$	398,404	\$	-	-\$	2,317,591	\$	1,285,947
45	1920	Computer EquipHardware(Post Mar. 22/04)							\$	-								\$	-	\$	-
45.1	1920	Computer EquipHardware(Post Mar. 19/07)							\$	-								\$	-	\$	-
10	1930	Transportation Equipment	\$	3,914,691		573,000	\$	-	\$	4,487,691	-\$,715,606	-\$	464,989	\$	-	-\$	2,180,594	\$	2,307,097
8	1935	Stores Equipment	\$	54	\$	-	\$	-	\$	54	-\$		54	\$	-	\$	-	-\$	54		0
8	1940	Tools, Shop & Garage Equipment	\$	826,938	\$	66,000	\$	-	\$	892,938	-\$		474,303	-\$	85,452	\$	-	-\$	559,755		333,183
8	1945	Measurement & Testing Equipment	\$	2,974	\$	-	\$	-	\$	2,974	-\$		2,974	\$	-	\$	-	-\$	2,974	-	0
8	1950	Power Operated Equipment	\$	-	\$	-	\$	-	\$	-	\$		-	\$	-	\$	-	\$	-	\$	-
8	1955	Communications Equipment	\$	-	\$	-	\$	-	\$	-	\$	<u> </u>	-	\$	-	\$	-	\$	-	\$	-
8	1955	Communication Equipment (Smart Meters)			_				\$		_							\$	<u> </u>	\$	
8	1960 1970	Miscellaneous Equipment Load Management Controls Customer	\$	214,353	\$	-	\$	-	\$	214,353	-\$		214,352	\$	-	\$	-	-\$	214,352	\$	1
47		Premises	\$	136,371	\$	-	\$	-	\$	136,371	-\$		65,171	-\$	10,336	\$	-	-\$	75,507	\$	60,864
47	1975	Load Management Controls Utility Premises	\$	-	\$	-	\$	-	\$	-	\$		-	\$	-	\$	-	\$	-	\$	-
47	1980	System Supervisor Equipment	\$	1,732,061	\$	225,000	\$	-	\$	1,957,061	-\$		993,407	-\$	153,405	\$	-	-\$	1,146,812		810,250
47	1985	Miscellaneous Fixed Assets	\$	6,157	\$	-	\$	-	\$	6,157	-\$		6,157	\$	-	\$	-	-\$	6,157	\$	0
47	1990	Other Tangible Property	\$	-	\$	-	\$	-	\$	-	\$		-	\$	-	\$	-	\$	-	\$	-
47	1995	Contributions & Grants	-\$	45,428,738	-\$ 3,	148,000	\$	-	-\$	48,576,738	\$,754,072	\$	1,246,935	\$	-	\$	7,001,008	-\$	41,575,731
	2070	Other Utility Plant	\$	398	\$	-	\$	-	\$	398	-\$	<u> </u>	205	-\$	51	\$	-	-\$ \$	256	\$	142
		Sub-Total before Work in Process	\$	163,661,260	\$ 11.	363,000	\$	-		75,024,260	-\$	32.	,539,287	-\$	6,295,624	\$	-	-\$	38,834,911		136,189,350
	2055	Work in Process - Non-Distribution assets	-\$	0	\$	-	\$	-	-\$	0	\$		-			Ė		\$	-	-\$	0
		Work in Process - Distribution system	\$	1,200,000		200,000	-\$ 1,2	200,000	\$	1,200,000	\$;	-					\$	-	\$	1,200,000
		Work in Process - AFUDC	\$	96,959	\$	39,577		96,959		39,577	\$		-					\$	-	\$	39,577
		Less Socialized Renewable Energy	Ť							·											-
		Generation Investments (input as negative)							\$	_								\$	_	\$	_
		Less Other Non Rate-Regulated Utility							Ť									Ť		Ť	
	1	Assets (input as negative)							\$	_								\$	-	\$	_
	1	Total PP&E	\$	164.958.219	\$ 12.	602.577	-\$ 1.2	296.959	,959 \$ 176,263,837 -\$ 32,539,287						6,295,624	\$	-	-\$	38.834.911		137,428,926
	1	Depreciation Expense adj. from gain or los	<u> </u>						-				,,==-	_	, ,	ŕ		· ·	-,,-	, ,	,,
	1	Total	J 01	i ing retireffier	it or as	σσιο (ρυ	- C1 O1 11	ne a356	,	п аррпсавіе				-\$	6,295,624	t					
	1	I Olai												-φ	0,233,024	1					

Note (1) The opening balance is the 2015 closing balance adjusted for Zigbee chip costs of \$600,654

Transportation Stores Equipment

-\$ 6,295,624

The opening balance is the 2015 closing balance adjusted for Zigbee chip depreciation of \$218,949

 Less: Fully Allocated Depreciation

 Transportation
 \$ 464,989

 Stores Equipment
 \$ 85,452

 Net Depreciation
 \$ 5,745,184

 -\$ 85,452 -\$ 5,745,184

Guelph Hydro Electric Systems Inc. EB-2015-0073 Settlement Proposal

Appendix D – Bill Impacts

2016 Total Bill Impact Summary

Residential	kWh	100	250	420	500	800	1,000	1,500	2,000
	Bill Impact \$	\$3.55	\$2.79	\$1.91	\$1.52	(\$0.03)	(\$1.04)	(\$3.60)	(\$6.16)
	Bill Impact %	11.39%	5.24%	2.45%	1.69%	-0.02%	-0.64%	-1.52%	-1.99%

Loss Factor 1.0260

General Service	kWh	1,000	2,000	5,000	10,000	15,000
Less than 50 kW	Bill Impact \$	(\$0.32)	(\$1.28)	(\$4.12)	(\$8.87)	(\$13.61)
Less than 50 kw	Bill Impact %	-0.21%	-0.43%	-0.58%	-0.63%	-0.64%

Loss Factor 1.0260

	kWh	22,776	37,960	189,800	379,600
General Service	kW	60	100	500	1,000
50 to 999 kW	Bill Impact \$	(\$76.84)	(\$134.14)	(\$709.25)	(\$1,427.60)
	Bill Impact %	-2.07%	-2.21%	-2.44%	-2.47%

Loss Factor 1.0260 Load Factor 52%

	kWh	48,910	244,550	489,100
General Service	kW	100	500	1,000
1000 to 4999 kW	Bill Impact \$	(\$295.00)	(\$1,095.52)	(\$2,096.18)
	Bill Impact %	-3.73%	-2.97%	-2.87%

Loss Factor 1.0260 Load Factor 67%

	kWh	3,035,340	4,215,750	5,621,000	8,431,500
Large Use	kW	5,400	7,500	10,000	15,000
Large USe	Bill Impact \$	(\$2,404.08)	(\$3,397.90)	(\$4,581.02)	(\$6,947.26)
	Bill Impact %	-0.57%	-0.58%	-0.59%	-0.60%

Loss Factor 1.0036 Load Factor 77%

1	Unmetered	kWh	325
		Bill Impact \$	(\$5.27)
	Scattered Load	Bill Impact %	-8.11%

Loss Factor 1.0260

	kWh	365
	kW	1
	Bill Impact \$	(\$2.24)
	Bill Impact %	-3.22%

Loss Factor 1.0260 Load Factor 50%

	kWh	946,080	63
Stroot Lighting	kW	2,400	0.16
Street Lighting	Bill Impact \$	(\$1,803.83)	(\$0.27)
	Bill Impact %	-1.13%	-2.37%

Loss Factor 1.0260 Load Factor 54%

Guelph Hydro Electric Systems Inc. EB-2015-0073 Settlement Proposal

Appendix E – Settled Load Forecast

Appendix D - Settled Load Forecast Guelph Hydro Electric Systems Inc. - Cost of Service Application - EB-2015-0073

	Application (A)	Interrogatories (B)	Variance (C) = (B) - (A)	Settlement (D)	Variance (E) = (D) - (B)
Residential					
Customers	50,242	50,242	-	50,242	-
kWh	381,586,775	381,586,775	-	386,643,528	5,056,753
General Service < 50 kW					
Customers	4,101	4,101	-	4,101	1
kWh	150,174,015	150,174,015	-	152,157,763	1,983,748
General Service 50 to 999 kW					
Customers	567	567	-	567	-
kWh	397,678,750	397,678,750	-	401,243,062	3,564,312
kW	1,037,307	1,037,307	-	1,046,605	9,297
General Service 1,000 to 4,999 kW					
Customers	42	42	-	42	-
kWh	563,100,354	563,100,354	-	564,253,257	1,152,903
kW	1,194,282	1,194,282	-	1,196,727	2,445
Large Use					
Customers	5	5	-	5	-
kWh	276,633,108	276,633,108	-	278,656,832	2,023,724
kW	496,250	496,250	-	499,880	3,630
Unmetered Scattered Load					
Connections	545	545	-	545	-
kWh	1,700,939	1,700,939	-	1,700,939	-
Sentinel Lighting					
Connections	6	6	-	6	-
kWh	21,457	21,457	-	21,457	-
kW	60	60	-	60	-
Street Lighting					
Customers	14,172	14,172	-	14,172	-
kWh	9,628,070	9,628,070	-	9,628,070	_
kW	26,693	26,693	-	26,693	-
Total					
Customers/Connections	69,680	69,680	-	69,680	-
kWh	1,780,523,469	1,780,523,469	-	1,794,304,908	13,781,439
kW from applicable classes	2,754,592	2,754,592	-	2,769,965	15,373

Note: CDM Adjustments are included in all figures presented.

	Cottlement	Cattlement	CDM
	Settlement Before CDM	Settlement After CDM	
	(A)	(B)	Adjustment (C) = (A) - (B)
Residential	(A)	(6)	$(C) = (A) \cdot (B)$
Customers	50,242	50,242	
kWh	390,253,631	386,643,528	3,610,103
KVVII	030,200,001	000,040,020	0,010,100
General Service < 50 kW			
Customers	4,101	4,101	-
kWh	153,095,225	152,157,763	937,462
General Service 50 to 999 kW			
Customers	567	567	-
kWh	404,055,449	401,243,062	2,812,387
kW	1,053,940	1,046,605	7,336
General Service 1,000 to 4,999 kW			
Customers	42	42	_
kWh	564,855,911	564,253,257	602,654
kW	1,198,005	1,196,727	1,278
KVV	1,190,003	1,190,727	1,270
Large Use			
Customers	5	5	•
kWh	297,294,274	278,656,832	18,637,441
kW	533,314	499,880	33,434
Harriston I Oceanical Level			
Unmetered Scattered Load	5.45	F.45	
Connections	545	545	-
kWh	1,700,939	1,700,939	-
Sentinel Lighting			
Connections	6	6	-
kWh	21,457	21,457	-
kW	60	60	-
Street Lighting			
Customers	14,172	14,172	-
kWh	10,327,137	9,628,070	699,067
kW	28,631	26,693	1,938
Total			
Customers/Connections	69,680	69,680	_
kWh	1,821,604,024	1,794,304,908	27,299,116
kW from applicable classes	2,813,951	2,769,965	43,986
KVV HOITI applicable classes	2,010,001	2,700,000	+5,500

	2016 (kWh)-		2016 CDM
2016 CDM Manual Adjustment	Full Year	Factor	Adjustment
		Percentage of	
		CDM programs	
Class		Participation	
Residential	4,365,766	13.22%	3,610,103
GS< 50 kW	1,133,691	3.43%	937,462
GS 50 to 999 kW	3,401,072	10.30%	2,812,387
GS 1000 to 4999 kW	728,801	2.21%	602,654
Large Use	22,538,608	68.27%	18,637,441
Unmetered Scattered Load	0	0.00%	-
Sentinel Lighting	0	0.00%	-
Street Ligting	845,395	2.56%	699,067
Total	33,013,333	100.00%	27,299,116

2016 LRAMVA Threshold	kWh	kW
Residential	4,365,766	
GS< 50 kW	1,133,691	
GS 50 to 999 kW	3,401,072	8,871
GS 1000 to 4999 kW	728,801	1,546
Large Use	22,538,608	40,432
Unmetered Scattered Load	0	
Sentinel Lighting	0	0
Street Ligting	845,395	2,344
Total	33,013,333	53,193

Guelph Hydro Electric Systems Inc. EB-2015-0073 Settlement Proposal

Appendix F – OEB Appendix 2-EB

File Number:	EB-2015-0073
Exhibit:	
Tab:	
Schedule:	
Page:	
Date:	

Appendix 2-EB Account 1576 - Accounting Changes under MIFRS 2014 Changes in Accounting Policies under MIFRS

Reporting Basis	2012 Rebasing Year MIFRS Forecast	2012 IRM Actual	2013 IRM Actual	2014 IRM Actual	2015 IRM Forecast	2016 Rebasing Year MIFRS Forecast
	Torcoast	Actual	\$	\$	\$	\$
PP&E Values uusing original Useful Lives (UL)				.		
Opening net PP&E - Note 1				120,582,538	125,377,376	
Net Additions - Note 2				10,895,415	12,278,431	
Net Depreciation (amounts should be negative) - Note 2				-6,100,577	-6,374,912	
Closing net PP&E (1)			0	125,377,376	131,280,895	
PP&E Values using 2014 updated Useful Lives (UL)						
Opening net PP&E - Note 1				120,582,538	125,740,622	
Net Additions - Note 2				10,895,415	12,278,431	
Net Depreciation (amounts should be negative) - Note 2				-5,737,331	-5,981,825	
Closing net PP&E (2)			0	125,740,622	132,037,228	
Difference in Closing net PP&E, Original UL v. Updated UL			0	-363,246	-756,333	

Effect on Deferral and Variance Account Rate Riders

Closing balance in Account 1576	-	756,333	WACC	6.49%
Return on Rate Base Associated with Account 1576				
balance at WACC	-	49,119	# of years of rate rider	
Amount included in Deferral and Variance Account Rate Rider Calculation	-	805,452	disposition period	1

Notes

- 1 Useful lives were reviewed and updated effective fiscal 2014, therefore Opening PP&E January 1, 2014 would be the same at this date
- 2 Net additions are additions net of disposals. Net depreciation is additions to depreciation net of disposals

Instructions:

- 1 For an applicant that made the capitalization and depreciation expense accounting policy changes on January 1, 2012, the PP&E values as of January 1, 2012 under both former CGAAP and revised CGAAP should be the same.
- 2 Return on rate base associated with Account 1576 balance is calculated as:
 - the variance account opening balance as of 2015 rebasing year x WACC X # of years of rate rider disposition period
- * Please note that the calculation should be adjusted once WACC is updated and finalized in the rate application.
- 3 Account 1576 is cleared by including the total balance in the deferral and variance account rate rider calculation.
- 4 Net additions are additions net of disposals; Net depreciation is additions to depreciation net of disposals.

Guelph Hydro Electric Systems Inc. EB-2015-0073 Settlement Proposal

Appendix G – OPEB Draft Accounting Order

Draft Accounting Order – OPEB Forecast Cash versus Forecast Accrual Differential Deferral Account

Guelph Hydro shall establish the following deferral account effective January 1, 2016.

 Account 1508 Other Regulatory Assets, Subaccount – OPEB Forecast Cash versus Forecast Accrual Differential Deferral Account

Guelph Hydro shall establish the OPEB Forecast Cash versus Forecast Accrual Differential Deferral Account for the purpose of recording the difference in revenue requirement each year between both the capitalized and OM&A components of OPEBs accounted for using a forecasted cash basis (as to be reflected in rates if this settlement is accepted by the Board) and the capitalized and OM&A components of OPEBs accounted for using a forecasted accrual basis.

If the Board determines that LDCs must only include in rates OPEBs accounted for using a forecasted cash basis, Guelph Hydro will seek to discontinue this account without seeking disposition of the amounts recorded in this account. If the Board determines that LDCs may recover OPEBs in rates using a forecasted accrual accounting methodology, Guelph Hydro will seek disposition of this account to recover the amounts so recorded in its next cost of service rate application.

Guelph Hydro will propose a disposition period over which the account should be recovered depending on the quantum in the account and the potential rate impacts at the time.

Carrying charges will not apply to this account.

Sample Journal Entry

Assumptions:

OPEB costs (accrual basis) = \$ 600,000

OPEB costs (cash basis) = \$ 200,000

OBEB costs split between operating and capital on a 70/30 ratio.

Assume capital items depreciated over 40 years and half year rule applies in year of acquisition.

Assume OPEB costs incurred evenly throughout the fiscal period.

Carrying charges do not apply to this deferral account.

The sample accounting entries for the Deferral Account is provided below:

A: To record the excess of OPEBs accounted for using a forecasted accrual basis over OPEBs accounted for using a forecasted cash basis.

DR 1508 Other Regulatory Assets, Subaccount –

OPEB Forecast Cash versus Forecast

Accrual Differential Deferral

Account \$ 400,000

CR Capital costs (various accounts) \$ 120,000

CR OM&A expenses (various accounts) \$ 280,000

B: To reverse depreciation recorded on capital portion of OPEB costs:

DR	Accumulated Depreciation	\$ 1,500
CR	Depreciation	\$ 1,500

Guelph Hydro	Electric Systems Inc.
	EB-2015-0073
	Settlement Proposal

Appendix H – Wireless Attachment Draft Accounting Order

Draft Accounting Order – Wireless Attachment Deferral Accounts

Pursuant to the Settlement Agreement approved by the Ontario Energy Board in EB-2015-0073, Guelph Hydro shall establish the following Deferral Accounts to record the costs and revenues associated with Wireless Pole Attachments.

- Account 1508, Other Regulatory Assets, Subaccount Guelph Hydro wireless attachment costs
- Account 1508, Other Regulatory Assets, Subaccount Guelph Hydro wireless attachment revenues
- Account 1508, Other Regulatory Assets, Subaccount Guelph Hydro wireless attachment cost carrying charges
- Account 1508, Other Regulatory Assets, Subaccount Guelph Hydro wireless attachment revenue carrying charges

In assessing the costs of attaching the wireless equipment, Guelph Hydro will rely on the methodology as detailed in THESL's response to CCC IR 16 in THESL proceeding EB-2013-0234 (Tab J, Schedule 2-16, attached as Appendix A to the Accounting Order), which was developed in accordance with the methodology approved in the Board's CCTA decision (RO-2003-0249). This methodology estimates direct costs (admin and loss in productivity) and indirect costs (capital costs of the poles with attachments).

Since the indirect costs related to poles are included and inseparable from Guelph Hydro's regulated revenue requirement (and recovered through distribution rates), they will not be recorded in the deferral account as treating them as such would effectively double-count the costs. The direct costs, to the extent that they are incremental to any OM&A costs included in Guelph Hydro's regulated revenue requirement, will be recorded in the deferral account. Additionally, the one-time costs (such as the make-ready costs) will be recorded as they occur.

Revenues to be recorded in the Deferral Account are the actual revenues received through the negotiated contracts with wireless carriers, as well as the one-time revenues collected directly to cover the one-time costs.

Carrying charges will be determined by applying the Board-approved rate to the opening monthly balances recorded in the subaccounts (exclusive of accumulated interest).

The net of the costs and revenues inclusive of carrying charges, as recorded in the subaccounts, shall be brought forward for disposition in Guelph Hydro's next Cost of Service rates application. As part of the evidence to support the disposition of the net amounts recorded in the approved Deferral Accounts, Guelph Hydro shall include information showing the full actual costs to demonstrate that revenues received were equal to or in excess of the costs of wireless attachments.

The sample accounting entries for the Deferral Accounts are provided below:

A: To record the incremental costs associated with wireless attachments:

DR	1508	Other Regulatory Assets, Subaccount Guelph Hydro wireless attachment costs
CR	5005	Operation Supervision and Engineering

B: To record the incremental revenues associated with the wireless attachments:

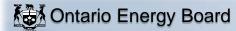
CR	1508	Other Regulatory Assets, Subaccount Guelph Hydro wireless attachment revenues
DR	4210	Rent from Electric Property

C: To record the monthly carrying charges in subaccounts wireless attachments costs and revenues:

DR	1508	Other Regulatory Assets, Subaccount Guelph Hydro wireless attachment cost carrying charges
CR	1508	Other Regulatory Assets, Subaccount Guelph Hydro wireless attachment revenue carrying charges
DR	6035	Other Interest Expense
CR	4405	Interest and Dividend Income

Guelph Hydro Electric Systems Inc. EB-2015-0073 Settlement Proposal

Appendix I – Revenue Requirement Work Form



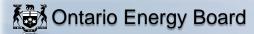


Version 5.00

Utility Name	Guelph Hydro Electric Systems Inc.
Service Territory	
Assigned EB Number	EB-2015-0073
Name and Title	Cristina Birceanu, Director of Regulatory Affairs
Phone Number	519-837-4735
Email Address	cbirceanu@guelphhydro.com

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



1. Info 6. Taxes_PILs

2. Table of Contents 7. Cost_of_Capital

3. Data_Input_Sheet 8. Rev_Def_Suff

4. Rate_Base 9. Rev_Reqt

5. Utility Income 10. Tracking Sheet

Notes:

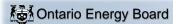
(1) Pale green cells represent inputs

(2) Pale green boxes at the bottom of each page are for additional notes

(3) Pale yellow cells represent drop-down lists

(4) Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.

(5) Completed versions of the Revenue Requirement Work Form are required to be filed in working Microsoft Excel

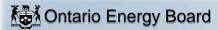


Data Input (1)

		Initial Application	(2)	Adjustments		Application Update	(6)	Adjustments	Per Board Decision	
1	Rate Base									
	Gross Fixed Assets (average)	\$169,552,260		(\$245,025)	\$	169,307,235			\$169,307,235	
	Accumulated Depreciation (average) Allowance for Working Capital:	(\$35,695,380)	(5)	\$17,754		(\$35,677,626)			(\$35,677,626)	
	Controllable Expenses	\$16,189,495		(\$829,908)	\$				\$15,359,587	
	Cost of Power	\$207,681,446	(0)	###########	\$	221,468,688	(0)		\$221,468,688	(0)
	Working Capital Rate (%)	13.00%	(9)			7.50%	(9)		7.50%	(9)
2	Utility Income Operating Revenues:									
	Distribution Revenue at Current Rates	\$28,027,320		\$133,469		\$28,160,789		\$0	\$28,160,789	
	Distribution Revenue at Proposed Rates Other Revenue:	\$32,112,227		(\$2,583,903)		\$29,528,324		\$0	\$29,528,324	
	Specific Service Charges	\$426,370		\$0		\$426,370		\$0	\$426,370	
	Late Payment Charges Other Distribution Revenue	\$120,000		\$0		\$120,000		\$0 \$0	\$120,000	
	Other Income and Deductions	\$610,833 \$1,049,998		\$100,000 \$0		\$710,833 \$1,049,998		\$0 \$0	\$710,833 \$1,049,998	
	Cities moonie and Boddollons	\$1,045,550		φυ		\$1,049,990		φυ	\$1,049,990	
	Total Revenue Offsets	\$2,207,201	(7)	\$100,000		\$2,307,201		\$0	\$2,307,201	
	Operating Expenses:									
	OM+A Expenses	\$16,404,861		(\$1,174,000)	\$	15,230,861			\$15,230,861	
	Depreciation/Amortization	\$5,751,746		(\$6,562)	\$	5,745,184			\$5,745,184	
	Property taxes Other expenses	\$335,074		\$ -	\$	335,074			\$335,074	
3	Taxes/PILs									
	Taxable Income:									
	Adjustments required to arrive at taxable income	(\$2,652,036)	(3)			(\$2,893,294)			(\$2,893,294)	
	Utility Income Taxes and Rates:									
	Income taxes (not grossed up)	\$671,671				\$509,044			\$509,044	
	Income taxes (grossed up) Federal tax (%)	\$901,253				\$692,577			\$692,577	
	Provincial tax (%)	15.00% 10.47%				15.00% 11.50%			15.00% 11.50%	
	Income Tax Credits	(\$197,000)				(\$199,000)			(\$199,000)	
		(ψ101,000)				(ψ100,000)			(ψ100,000)	
4	Capitalization/Cost of Capital Capital Structure:									
	Long-term debt Capitalization Ratio (%)	56.0%				56.0%			56.0%	
	Short-term debt Capitalization Ratio (%)	4.0%	(8)			4.0%	(8)		4.0%	(8)
	Common Equity Capitalization Ratio (%) Prefered Shares Capitalization Ratio (%)	40.0%				40.0%			40.0%	
	1 Tororda Griarda Gapitalization (10)	100.0%			_	100.0%			100.0%	
		100.070				100.070			100.070	
	Cost of Capital									
	Long-term debt Cost Rate (%) Short-term debt Cost Rate (%)	5.18%				4.91%			4.91%	
	Common Equity Cost Rate (%)	2.16% 9.30%				1.65% 9.19%			1.65% 9.19%	
	Prefered Shares Cost Rate (%)	9.30%				9.19%			9.19%	

Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.

- All inputs are in dollars (\$) except where inputs are individually identified as percentages (%) (1)
- Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc.,
- use colimn M and Adjustments in column I
- (3) (4) Net of addbacks and deductions to arrive at taxable income.
- Average of Gross Fixed Assets at beginning and end of the Test Year
- Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.
- Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.
- Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
- 4.0% unless an Applicant has proposed or been approved for another amount.
- Starting with 2013, default Working Capital Allowance factor is 13% (of Cost of Power plus controllable expenses). Alternatively, WCA factor based on lead-lag study or approved WCA factor for another distributor, with supporting rationale.



Rate Base and Working Capital

Rate Base

	. tate Dace						
Line No.	Particulars	_	Initial Application	Adjustments	Application Update	Adjustments	Per Board Decision
1	Gross Fixed Assets (average)	(3)	\$169,552,260	(\$245,025)	\$169,307,235	\$ -	\$169,307,235
2	Accumulated Depreciation (average)	(3)	(\$35,695,380)	\$17,754	(\$35,677,626)	\$ -	(\$35,677,626)
3	Net Fixed Assets (average)	(3)	\$133,856,880	(\$227,271)	\$133,629,609	\$ -	\$133,629,609
4	Allowance for Working Capital	(1)	\$29,103,222	(\$11,341,102)	\$17,762,121	<u> </u>	\$17,762,121
5	Total Rate Base	=	\$162,960,102	(\$11,568,372)	\$151,391,730	<u> \$ -</u>	\$151,391,730

(1) Allowance for Working Capital - Derivation

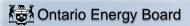
Controllable Expenses		\$16,189,495	(\$829,908)	\$15,359,587	\$ -	\$15,359,587
Cost of Power		\$207,681,446	\$13,787,243	\$221,468,688	\$ -	\$221,468,688
Working Capital Base		\$223,870,940	\$12,957,335	\$236,828,275	\$ -	\$236,828,275
Working Capital Rate %	(2)	13.00%	-5.50%	7.50%	0.00%	7.50%
Working Capital Allowance		\$29,103,222	(\$11,341,102)	\$17,762,121		\$17,762,121

Notes

10

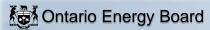
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Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2014 cost of service applications is 13%. Average of opening and closing balances for the year.



Utility Income

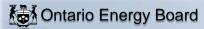
Line No.	Particulars	Initial Application	Adjustments	Application Update	Adjustments	Per Board Decision
1	Operating Revenues: Distribution Revenue (at	\$32,112,227	(\$2,583,903)	\$29,528,324	\$ -	\$29,528,324
2	Proposed Rates) Other Revenue	1) \$2,207,201	\$100,000	\$2,307,201	\$-	\$2,307,201
3	Total Operating Revenues	\$34,319,428	(\$2,483,903)	\$31,835,525	<u> </u>	\$31,835,525
4 5 6 7 8	Operating Expenses: OM+A Expenses Depreciation/Amortization Property taxes Capital taxes Other expense	\$16,404,861 \$5,751,746 \$335,074 \$- \$-	(\$1,174,000) (\$6,562) \$ - \$ - \$ -	\$15,230,861 \$5,745,184 \$335,074 \$-	\$ - \$ - \$ - \$ - \$ -	\$15,230,861 \$5,745,184 \$335,074 \$-
9	Subtotal (lines 4 to 8)	\$22,491,681	(\$1,180,562)	\$21,311,118	<u> </u>	\$21,311,118
10	Deemed Interest Expense	\$4,864,378	(\$597,709)	\$4,266,669	\$ -	\$4,266,669
11	Total Expenses (lines 9 to 10)	\$27,356,059	(\$1,778,272)	\$25,577,788	\$ -	\$25,577,788
12	Utility income before income taxes	\$6,963,369	(\$705,631)	\$6,257,737	\$ -	\$6,257,737
13	Income taxes (grossed-up)	\$901,253	(\$208,676)	\$692,577	\$ -	\$692,577
14	Utility net income	\$6,062,116	(\$496,956)	\$5,565,160	\$-	\$5,565,160
Notes	Other Revenues / Revenues	ue Offsets				
(1)	Specific Service Charges Late Payment Charges Other Distribution Revenue Other Income and Deductions Total Revenue Offsets	\$426,370 \$120,000 \$610,833 \$1,049,998 \$2,207,201	\$ - \$ - \$100,000 \$ - \$100,000	\$426,370 \$120,000 \$710,833 \$1,049,998	\$ - \$ - \$ - \$ -	\$426,370 \$120,000 \$710,833 \$1,049,998



Taxes/PILs

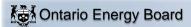
Line No.	Particulars	Application	Application Update	Per Board Decision
	<u>Determination of Taxable Income</u>			
1	Utility net income before taxes	\$6,062,116	\$5,565,160	\$5,565,160
2	Adjustments required to arrive at taxable utility income	(\$2,652,036)	(\$2,893,294)	(\$2,893,294)
3	Taxable income	\$3,410,080	\$2,671,866	\$2,671,866
	Calculation of Utility income Taxes			
4	Income taxes	\$671,671	\$509,044	\$509,044
6	Total taxes	\$671,671	\$509,044	\$509,044
7	Gross-up of Income Taxes	\$229,582	\$183,533	\$183,533
8	Grossed-up Income Taxes	\$901,253	\$692,577	\$692,577
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	\$901,253	\$692,577	\$692,577
10	Other tax Credits	(\$197,000)	(\$199,000)	(\$199,000)
	Tax Rates			
11 12 13	Federal tax (%) Provincial tax (%) Total tax rate (%)	15.00% 10.47% 25.47%	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%

Notes



Capitalization/Cost of Capital

Line No.	Dortiouloro	Capita	Capitalization Ratio		Return								
		Initia	l Application										
	Debt	(%)	(\$)	(%)	(\$)								
1	Long-term Debt	56.00%	\$91,257,657	5.18%	\$4,723,581								
2		4.00%	\$6,518,404	2.16%	\$140,798								
3	Total Debt	60.00%	\$97,776,061	4.98%	\$4,864,378								
	Equity Common Equity	40.000/	COT 404 044	0.000/	© 0.000.440								
4 5	Preferred Shares	40.00% 0.00%	\$65,184,041 \$ -	9.30% 0.00%	\$6,062,116 \$ -								
6	Total Equity	40.00%	\$65,184,041	9.30%	\$6,062,116								
7	Total	100.00%	\$162,960,102	6.71%	\$10,926,494								
		Application Update											
	Debt	(%)	(\$)	(%)	(\$)								
1	Long-term Debt	56.00%	\$84,779,369	4.91%	\$4,166,751								
2	Short-term Debt	4.00%	\$6,055,669	1.65%	\$99,919								
3	Total Debt	60.00%	\$90,835,038	4.70%	\$4,266,669								
	Equity												
4		40.00%	\$60,556,692	9.19%	\$5,565,160								
5 6	Preferred Shares Total Equity	0.00% 40.00%	\$ - \$60,556,692	9.19%	\$ - \$5,565,160								
7	Total	100.00%	\$151,391,730	6.49%	\$9,831,829								
		Per Bo	pard Decision										
		(%)	(\$)	(%)	(\$)								
	Debt												
8	Long-term Debt	56.00%	\$84,779,369	4.91%	\$4,166,751								
9 10	Short-term Debt Total Debt	4.00%	\$6,055,669 \$90,835,038	1.65% 4.70%	\$99,919 \$4,266,669								
10	Total Debt	60.00%	\$90,033,036	4.70%	\$4,260,069								
44	Equity	40.000/	\$00.550.000	0.400/	#5 505 400								
11 12	Common Equity Preferred Shares	40.00% 0.00%	\$60,556,692 \$ -	9.19% 0.00%	\$5,565,160 \$ -								
13	Total Equity	40.00%	\$60,556,692	9.19%	\$5,565,160								
14	Total	100.00%	\$151,391,730	6.49%	\$9,831,829								
													
Notes (1)	Data in column E is for		ally filed. For updated revences, etc., use colimn M and										

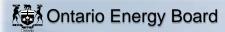


Revenue Deficiency/Sufficiency

		Initial Appli	cation	Application Update		Per Board Decision		
Line No.	Particulars	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	
1	Revenue Deficiency from Below		\$4,084,908		\$1,367,535		\$1,367,535	
2	Distribution Revenue	\$28,027,320	\$28,027,320	\$28.160.789	\$28,160,789	\$28.160.789	\$28,160,789	
3	Other Operating Revenue Offsets - net	\$2,207,201	\$2,207,201	\$2,307,201	\$2,307,201	\$2,307,201	\$2,307,201	
4	Total Revenue	\$30,234,520	\$34,319,428	\$30,467,990	\$31,835,525	\$30,467,990	\$31,835,525	
5 6	Operating Expenses Deemed Interest Expense	\$22,491,681 \$4,864,378	\$22,491,681 \$4,864,378	\$21,311,118 \$4,266,669	\$21,311,118 \$4,266,669	\$21,311,118 \$4,266,669	\$21,311,118 \$4,266,669	
8	Total Cost and Expenses	\$27,356,059	\$27,356,059	\$25,577,788	\$25,577,788	\$25,577,788	\$25,577,788	
9	Utility Income Before Income Taxes	\$2,878,461	\$6,963,369	\$4,890,202	\$6,257,737	\$4,890,202	\$6,257,737	
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$2,652,036)	(\$2,652,036)	(\$2,893,294)	(\$2,893,294)	(\$2,893,294)	(\$2,893,294)	
11	Taxable Income	\$226,426	\$4,311,333	\$1,996,908	\$3,364,443	\$1,996,908	\$3,364,443	
12 13	Income Tax Rate Income Tax on Taxable Income	25.47% \$57,679	25.47% \$1,098,253	26.50% \$529,181	26.50% \$891,577	26.50% \$529,181	26.50% \$891,577	
14	Income Tax Credits	(\$197,000)	(\$197,000)	(\$199,000)	(\$199,000)	(\$199,000)	(\$199,000)	
15	Utility Net Income	\$3,017,783	\$6,062,116	\$4,560,022	\$5,565,160	\$4,560,022	\$5,565,160	
16	Utility Rate Base	\$162,960,102	\$162,960,102	\$151,391,730	\$151,391,730	\$151,391,730	\$151,391,730	
17	Deemed Equity Portion of Rate Base	\$65,184,041	\$65,184,041	\$60,556,692	\$60,556,692	\$60,556,692	\$60,556,692	
18	Income/(Equity Portion of Rate Base)	4.63%	9.30%	7.53%	9.19%	7.53%	9.19%	
19	Target Return - Equity on Rate Base	9.30%	9.30%	9.19%	9.19%	9.19%	9.19%	
20	Deficiency/Sufficiency in Return on Equity	-4.67%	0.00%	-1.66%	0.00%	-1.66%	0.00%	
21	Indicated Rate of Return	4.84%	6.71%	5.83%	6.49%	5.83%	6.49%	
22	Requested Rate of Return on Rate Base	6.71%	6.71%	6.49%	6.49%	6.49%	6.49%	
23	Deficiency/Sufficiency in Rate of Return	-1.87%	0.00%	-0.66%	0.00%	-0.66%	0.00%	
24 25 26	Target Return on Equity Revenue Deficiency/(Sufficiency) Gross Revenue Deficiency/(Sufficiency)	\$6,062,116 \$3,044,333 \$4,084,908 (1)	\$6,062,116 \$ -	\$5,565,160 \$1,005,138 \$1,367,535 (1)	\$5,565,160 \$ -	\$5,565,160 \$1,005,138 \$1,367,535 (1)	\$5,565,160 \$ -	

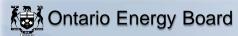
Notes: (1)

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



Revenue Requirement

Line No.	Particulars	Application		Application Update		Per Board Decision	
1	OM&A Expenses	\$16,404,861		\$15,230,861		\$15,230,861	
2	Amortization/Depreciation	\$5,751,746		\$5,745,184		\$5,745,184	
3	Property Taxes	\$335,074		\$335,074		\$335,074	
5	Income Taxes (Grossed up)	\$901,253		\$692,577		\$692,577	
6	Other Expenses	\$ -					
7	Return						
	Deemed Interest Expense	\$4,864,378		\$4,266,669		\$4,266,669	
	Return on Deemed Equity	\$6,062,116		\$5,565,160		\$5,565,160	
8	Service Revenue Requirement						
	(before Revenues)	\$34,319,428		\$31,835,525		\$31,835,525	
9	Revenue Offsets	\$2,207,201		\$2,307,201		\$2,307,201	
10	Base Revenue Requirement	\$32,112,227		\$29,528,324		\$29,528,324	
	(excluding Tranformer Owership Allowance credit adjustment)						
11	Distribution revenue	\$32,112,227		\$29,528,324		\$29,528,324	
12	Other revenue	\$2,207,201		\$2,307,201		\$2,307,201	
13	Total revenue	\$34,319,428		\$31,835,525		\$31,835,525	
14	Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)	\$ -	(1)	\$ -	(1)	<u> </u>	(1)
Notes (1)	Line 11 - Line 8						



Tracking Form

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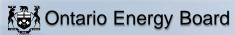
60 Tracking Rows have been provided below. If you require more, please contact Industry Relations @ IndustryRelations @ontarioenergyboard.ca.

Summary of Proposed Changes

		Cost of	Capital	Rate Bas	e and Capital Exp	enditures	Ор	erating Expense	es	Revenue Requirement			
Reference ⁽¹⁾	Item / Description ⁽²⁾	Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Base Revenue Requirement	Grossed up Revenue Deficiency / Sufficiency
	Original Application	\$ 10,926,494	6.71%	\$ 162,960,102	\$ 223,870,940	\$ 29,103,222	\$ 5,751,746	\$ 901,253	\$ 16,404,861	\$ 34,319,428	\$ 2,207,201	\$ 32,112,227	\$ 4,084,908
1 IR: 2-Energy Probe-16	WCA change from 13% to 7.5% - Lead-Lag Study Change	\$ 10,926,494 \$ -	6.71% 0.00%	+,- , -	\$ 223,870,940 \$ -	\$ 16,790,321 -\$ 12,312,902		\$ 736,809 -\$ 164,444	\$ 16,404,861 \$ -	\$ 33,329,403 -\$ 990,025	\$ 2,207,201 \$ -	\$ 31,122,202 -\$ 990,025	\$ 3,094,882 -\$ 990,025
	RPP and HOEP update to reflect the RPP Report dated April 20,2015, the HO Sub-transmission and Low Voltage rates (EB-2013-0416)	\$ 10,115,699	6.71%	\$ 150,867,729	\$ 226,811,319	\$ 17,010,849	\$ 5,751,746	\$ 739,753	\$ 16,404,861	\$ 33,347,132	\$ 2,207,201	\$ 31,139,932	\$ 3,112,612
	Change	-\$ 810,795	0.00%	\$ 220,528	\$ 2,940,379	\$ 220,528	\$ -	\$ 2,943	\$ -	\$ 17,730	\$ -	\$ 17,730	\$ 17,730
3 IR: 4-Energy Probe-52-a)	CCA 2015 opening balance updated to reflect 2014 year actual	\$ 10,115,699	6.71%	\$ 150,867,729	\$ 226,811,319	\$ 17,010,849	\$ 5,751,746	\$ 726,204	\$ 16,404,861	\$ 33,333,583	\$ 2,207,201	\$ 31,126,383	\$ 3,099,063
	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	-\$ 13,549	\$ -	-\$ 13,549	\$ -	-\$ 13,549	-\$ 13,549
4 IR: 4-Energy Probe-50-a	Correction of 2015 CCA additions	\$ 10,115,699	6.71%	\$ 150,867,729	\$ 226,811,319	\$ 17,010,849	\$ 5,751,746	\$ 633,726	\$ 16,404,861	\$ 33,241,106	\$ 2,207,201	\$ 31,033,905	\$ 3,006,586
and b), 4-Energy Probe-49,	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	-\$ 92,477	\$ -	-\$ 92,477	\$ -	-\$ 92,477	-\$ 92,477
5 IR: 2-Energy Probe-10-	Correction of 2015 CCA class from class 45 to class 50	\$ 10,115,699	6.71%	\$ 150,867,729	\$ 226,811,319	\$ 17,010,849	\$ 5,751,746	\$ 621,542	\$ 16,404,861	\$ 33,228,922	\$ 2,207,201	\$ 31,021,721	\$ 2,994,401
a),b),c) and 4-Energy Probe-	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	-\$ 12,184	\$ -	-\$ 12,184	\$ -	-\$ 12,184	-\$ 12,184
6 IR: 4-Energy Probe-50-d)	Correction of 2015 CCA class from class 50 to class 47	\$ 10,115,699	6.71%	\$ 150,867,729	\$ 226,811,319	\$ 17,010,849	\$ 5,751,746	\$ 646,696	\$ 16,404,861	\$ 33,254,076	\$ 2,207,201	\$ 31,046,875	\$ 3,019,555
	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ 25,154	\$ -	\$ 25,154	\$ -	\$ 25,154	\$ 25,154
7 IR: 4-Energy Probe-47	Removal of Small Business tax credit	\$ 10,115,699	6.71%	\$ 150,867,729	\$ 226,811,319	\$ 17,010,849	\$ 5,751,746		\$ 16,404,861		\$ 2,207,201	\$ 31,105,896	
	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ 59,021	\$ -	\$ 59,021	\$ -	\$ 59,021	\$ 59,021
8 IR: 4-Energy Probe-48-b)	Revised Apprentice Tax calculation	\$ 10,115,699	6.71%	\$ 150,867,729	\$ 226,811,319	\$ 17,010,849	\$ 5,751,746	\$ 749,255	\$ 16,404,861	\$ 33,356,634	\$ 2,207,201	\$ 31,149,434	\$ 3,122,114
and c)	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ 43,537	\$ -	\$ 43,537	\$ -	\$ 43,537	\$ 43,537
9 IR: 4-Energy Probe-51-a)	Correction of 2016 CCA class from class 45 to class 50	\$ 10,115,699	6.71%	\$ 150,867,729	\$ 226,811,319	\$ 17,010,849	\$ 5,751,746	\$ 740,295	\$ 16,404,861	\$ 33,347,675	\$ 2,207,201	\$ 31,140,474	\$ 3,113,154
,	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	-\$ 8,960	\$ -	-\$ 8,960	\$ -	-\$ 8,960	-\$ 8,960
10 IR: 4-Energy Probe-51-b)	Correction of 2016 CCA class from class 50 to class 47	\$ 10,115,699	6.71%	\$ 150,867,729	\$ 226,811,319	\$ 17,010,849	\$ 5,751,746	\$ 759,359	\$ 16,404,861	\$ 33,366,739	\$ 2,207,201	\$ 31,159,538	\$ 3,132,218
,	Change	\$ -	0.00%	\$ -	\$ -	\$ -	-	\$ 19,064	\$ -	\$ 19,064	\$ -	\$ 19,064	\$ 19,064

⁽¹⁾ Short reference to evidence material (interrogatory response, undertaking, exhibit number, Board Decision, Code, Guideline, Report of the Board, etc.)

⁽²⁾ Short description of change, issue, etc.



Tracking Form

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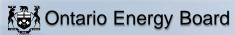
60 Tracking Rows have been provided below. If you require more, please contact Industry Relations @ IndustryRelations @ontarioenergyboard.ca.

Summary of Proposed Changes

		Cost of	Capital	Rate Bas	e and Capital Exp	enditures	Op	erating Expense	es		Revenue R	equirement	
Reference (1)	Item / Description ⁽²⁾	Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Requirement	Grossed up Revenue Deficiency / Sufficiency
11 IR: 1-Energy Probe-3-e)	Control Room Shared Services Revenue of \$100,000 booked in 4215 - Other utility Operating Income for 2016 Test Year Change	\$ 10,115,699 \$ -	6.71% 0.00%		\$ 226,811,319 \$ -	, ,	\$ 5,751,746 \$ -		\$ 16,404,861 \$ -	\$ 33,366,739 \$ -	\$ 2,307,201 \$ 100,000	\$ 31,059,538 -\$ 100,000	
12 JT1.12	Correction of Global Adjustment to reflect the RPP Report dated April 20,2015, the HO Sub-transmission and Low Voltage rates (EB-2013-0416)	\$ 10,161,704		, , ,	\$ 235,959,576	, , ,	, , ,			\$ 33,421,945			
	Change	\$ 46,004	0.00%	\$ 686,119	\$ 9,148,257	\$ 686,119	\$ 0	\$ 9,202	\$ -	\$ 55,207	\$ -	\$ 55,207	\$ 55,207
13 JT1.11	Correction of the allocated depreciation in OM&A Change	\$ 10,163,434 \$ 1,730	6.71% 0.00%	\$ 151,579,655 \$ 25,807	+,,		\$ 5,751,746 \$ -	\$ 768,907 \$ 346	' ' '	\$ 33,424,022 \$ 2,076		\$ 31,116,821 \$ 2,076	
14 2-SEC-19	Removal of Zigbee chip cost of (gross asset \$35,525 and depreciation \$9,473) recovered from the OPA	\$ 10,161,687	6.71%	\$ 151,553,603	\$ 236,303,668	\$ 17,722,775	\$ 5,751,746	,	. , ,	\$ 33,421,926		, , ,	
	Change	-\$ 1,747	0.00%	-\$ 26,052	\$ -	\$ -	\$ -	-\$ 349	\$ -	-\$ 2,096	\$ -	-\$ 2,096	-\$ 2,096
15 Settlement	Load Forecast changed by +14 GWh; Transformer Allowance changed to \$64,558 (8-Staff-58-b-iii)	\$ 10,170,229	6.71%	\$ 151,680,999	\$ 238,002,275	, , ,	, , ,		. ,	\$ 33,432,176	\$ 2,307,201	\$ 31,124,975	\$ 2,964,187
	Change	\$ 8,542	0.00%	\$ 127,396	\$ 1,698,607	\$ 127,396	\$ -	\$ 1,709	\$ -	\$ 10,251	\$ -	\$ 10,251	-\$ 123,219
16 Settlement	\$500K gross asset (acc. 1808) and corresponding depreciation of \$5K for the new expansion of the building moved from 2015 FA Continuity Schedule to 2016 FA Cont. Schedule	\$ 10,153,969	6.71%	\$ 151,438,499	\$ 238,002,275	\$ 17,850,171	\$ 5,746,746	\$ 765,211	\$ 16,404,861	\$ 33,405,861	\$ 2,307,201	\$ 31,098,661	\$ 2,937,872
	Change	-\$ 16,260	0.00%	-\$ 242,500	\$ -	\$ -	-\$ 5,000	-\$ 5,055	\$ -	-\$ 26,315	\$ -	-\$ 26,315	-\$ 26,315
17 Settlement	Adjustment of \$2,368.32 to 1860 depreciation for Zigbee Chip recovery	\$ 10,154,049	6.71%	\$ 151,439,683	\$ 238,002,275	\$ 17,850,171	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			\$ 33,402,734		\$ 31,095,534	
	Change	\$ 79	0.00%	\$ 1,184	\$ -	\$ -	-\$ 2,368	-\$ 838	\$ -	-\$ 3,127	\$ -	-\$ 3,127	-\$ 3,127
18 Settlement	Adjustment to apprentices tax credits following the settlement Change	\$ 10,154,049 \$ -	6.71% 0.00%	\$ 151,439,683 \$ -	\$ 238,002,275 \$ -	\$ 17,850,171 \$ -	\$ 5,744,378 \$ -	\$ 718,115 -\$ 46,259		\$ 33,356,476 -\$ 46,259	\$ 2,307,201 \$ -	\$ 31,049,275 -\$ 46,259	

⁽¹⁾ Short reference to evidence material (interrogatory response, undertaking, exhibit number, Board Decision, Code, Guideline, Report of the Board, etc.)

⁽²⁾ Short description of change, issue, etc.



Tracking Form

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Summary of Proposed Changes

		Cost of	Capital	Rate Bas	e and Capital Exp	enditures	Ор	erating Expense	es		Revenue R	equirement	
Reference ⁽¹⁾	Item / Description ⁽²⁾	Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues		
19 Settlement	OPEB adjustment dissalowed portion of \$443K Change	\$ 10,151,821 -\$ 2,228	6.71% 0.00%		\$ 237,559,275 -\$ 443,000			\$ 717,669 -\$ 446	+,	\$ 32,910,803 -\$ 445,673	\$ 2,307,201 \$ -	\$ 30,603,602 -\$ 445,673	\$ 2,442,813 -\$ 445,673
20 Settlement	OPEB adjustment reallocation to capital of \$81K Change	\$ 10,154,102 \$ 2,281	6.71% 0.00%			\$ 17,810,871 -\$ 6,075			\$ 15,880,861 -\$ 81,000		\$ 2,307,201 \$ -	\$ 30,525,268 -\$ 78,334	\$ 2,364,479 -\$ 78,334
21 Settlement	OM&A adjustment Change	\$ 10,150,834 -\$ 3,269	6.71% 0.00%		\$ 236,828,275 -\$ 650,000				\$ 15,230,861 -\$ 650,000	\$ 32,178,546 -\$ 653,923	\$ 2,307,201 \$ -	\$ 29,871,345 -\$ 653,923	\$ 1,710,556 -\$ 653,923
22 Settlement	Change in Long Term Debt Rate from 5.18% to 5.13% to reflect the LTD date changed from June 1, 2016 to January 1, 2016	\$ 10,114,410	6.68%	\$ 151,391,730	\$ 236,828,275	\$ 17,762,121	\$ 5,745,184	\$ 716,594	\$ 15,230,861	\$ 32,142,123	\$ 2,307,201	\$ 29,834,922	\$ 1,674,133
	Change	-\$ 36,423	-0.02%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-\$ 36,423	\$ -	-\$ 36,423	-\$ 36,423
23 Settlement	Changed the Long Term Debt to 4.50% to reflect the Settlement	\$ 10,020,819			\$ 236,828,275	\$ 17,762,121	\$ 5,745,184	\$ 716,594	\$ 15,230,861			\$ 29,741,331	
	Change	-\$ 93,591	-0.06%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-\$ 93,591	\$ -	-\$ 93,591	-\$ 93,591
24 Updated Settlement	Changed the Long Term Debt to 4.1546% to reflect the Settlement; changed the ROE to 9.19% and the Deemed ST Debt rate to 1.65% to reflect the OBE's Cost of Capital Parameters	\$ 9,831,829	6.49%	\$ 151,391,730	\$ 236,828,275	\$ 17,762,121	\$ 5,745,184	\$ 692,577	\$ 15,230,861	\$ 31,835,525	\$ 2,307,201	\$ 29,528,324	\$ 1,367,535
	Change	-\$ 188,990	-0.12%	\$ -	\$ -	\$ -	\$ -	-\$ 24,017	\$ -	-\$ 213,007	\$ -	-\$ 213,007	-\$ 213,007
25	Change												
26													
	Change												
27	Change												
28	Change												

⁽¹⁾ Short reference to evidence material (interrogatory response, undertaking, exhibit number, Board Decision, Code, Guideline, Report of the Board, etc.)

⁽²⁾ Short description of change, issue, etc.

Guelph Hydro Electric Systems Inc. EB-2015-0073 Settlement Proposal

Appendix J – LTD – September 2015

CANADIAN DOLLAR ACCOUNT STATEMENT

SEPT 30 2015

Page 1 of 2

01101

GUELPH HYDRO ELECTRIC
SYSTEMS INC.
A/C NEW ISSUE
395 SOUTHGATE DRIVE
GUELPH ON NIG 4Y1
CANADA

Your Account Number:



Date of Last Statement:

YOUR ADVISORY TEAM

Your Investment Advisor(s): INST BOND TOR 416-842-6300

INCOME SUMMARY

	THIS MONTH	YEAR-TO-DATE
Dividends	\$0.00	\$0.00
Interest	\$0.00	\$0.00
Total Income	\$0.00	\$0.00

FOR YOUR INFORMATION

For information regarding the Firm's policy on multiple marketplace trading within Canada, please see https://cmaweb.rbccm.com/cm/file/0,,93367,00.rtf

CASH BALANCE

ACCOUNT	OPENING BALANCE	CLOSING BALANCE
TYPE	AT SEPT 01	AT SEPT 30
Total	\$0.00	\$0.00

ACCOUNT ACTIVITY

PRICE DATE **ACTIVITY** DESCRIPTION QUANTITY \RATE DEBIT CREDIT Opening Balance (SEPT 01, 2015) \$0.00 SEPT 25 RECEIVED GUELPH HYDRO ELECTRIC E 30,000,000 29,850,000.00 SYSTEMS INC SER B SNR DEB DUE 09/25/2045 INT 4.121% 4.121 DUE 09/25/45

0002031 -3510R

- CONTINUED ON NEXT PAGE -





CANADIAN DOLLAR ACCOUNT STATEMENT

30,000,000-

SEPT 30 2015

Your Account Number:

2 of 2

29,850,000.00

ACCOUNT ACTIVITY

PRICE **ACTIVITY DESCRIPTION** QUANTITY \RATE DEBIT DATE CREDIT

SEPT 25 SOLD

GUELPH HYDRO ELECTRIC E SYSTEMS INC SER B SNR DEB DUE 09/25/2045 04.121% MS 25 THESE ARE SECURITIES OF A CONNECTED ISSUER OF THE FIRM.

IF, AS AND WHEN ISSUED, PROSPECTUS ENCLOSED.

Closing Balance (SEPT 30, 2015)

\$0.00

Head Office Address:

RBC Dominion Securities Inc. P.O. BOX 50 Royal Bank Plaza Toronto, Ontario

Canada M5J 2W7

If you have a service request or a question about your statement or a service charge, please phone your Investment Advisor at the phone number listed on the front of this statement. Unresolved

99.50

RBC DOMINION SECURITIES Internal Audit Department

P.O. BOX 50, Royal Bank Plaza

Toronto, Ontario M5J 2W7

GST/HST Registration # 889767471

Telephone: (416) 842-2000 Internet: www.rbccm.com QST Registration # 889767471

- We may make recommendations and facilitate trades in securities of related issuers and connected issuers of the firm in your account. For a list of such related issuers and connected issuers, refer to the following website: www.rbc.com/issuers-disclosures or contact your investment or trading
- Market price represents the currently available price. Some securities in your portfolio may not be priced because data was unavailable. Market prices
- shown are obtained from sources we believe are reliable but we do not guarantee their accuracy.

 In cases where securities in your portfolio display a Market Price of 'UNPRICED', the current market value is not determinable.

 Fully paid securities are segregated on the records of RBC Dominion Securities Inc. and cannot be used in the normal course of our business. Any free credit balance for non-registered accounts represents funds payable on demand which, although recorded in our books, are not segregated and may be used in the conduct of our business.

problems or complaints should be forwarded in writing to:

- A copy of our most recent financial statements, a list of directors and senior officers and information about commissions, fees and administrative proceedings that may relate to RBC Dominion Securities or to its employees are available to you upon written request directed to our Head Office address listed above.
- Customers accounts are protected by the Canadian Investor Protection Fund within specified limits. A brochure describing the nature and limits of the coverage is available upon request.
- Please contact your local branch or the Head Office address listed above for a copy of the brochure.
- Income derived from mutual funds will be included on a T5 or T3 that will be issued by each mutual fund management company. As such, this income is not reported in the "Income Summary" of your account statement.
- We act as principal on foreign currency conversions and fixed income transactions and apply discretionary currency conversion rates. The foreign currency conversion rate shown on the confirmation statement includes our spread-based revenues for performing this function. Spread means the difference between the rate we obtain and the rate you receive.
- Please note the following security description abbreviations may appear on your statement: NON VTG for non-voting shares; RES VTG for restricted voting shares; SUB VTG for subordinate voting shares; DSC for securities which may be subject to a deferred sales charge; LL, LL2, LL3 or LL4 for
- securities which may be subject to a low load deferred sales charge.

 RBC Dominion Securities Inc.* and Royal Bank of Canada are separate corporate entities which are affiliated. * Member-Canadian Investor Protection Fund

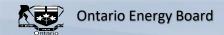
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- FOOTNOTES * Indicates fully paid for securities registered in your name and held by us on your behalf
 - # Indicates "Originating Value" provided by you. RBC Dominion Securities Inc. shall not be responsible for their accuracy
 - 1 Includes accrued interest
 - ⁴ This security may be subject to a deferred sales charge at the time that it is sold.
 - n- There is no active market for this security so its market value has been estimated.

Guelph Hydro Electric Systems Inc. EB-2018-0036 Application Appendix 5 Filed: August 9, 2018

Appendix 5 2019 Guelph LRAMVA Model

(Presented in PDF and Excel format)



LRAMVA Work Form: Checklist and Schematic

Version 3.0 (2019)

General Note on the LRAMVA Model

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

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

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

Legend	Drop Down List (Blue)	
Important Checklist		
Yes	o Highlight changes to this work form made by the LDC, if an	y, and provide rationale for the change in Tab 1-a
Yes	o Include any necessary assumptions the LDC has to make i	n its LRAMVA work form in the "Notes" section of the work form
Yes	o Provide documentation on the LRAMVA threshold by provide	ling the reference and source material from the LDC's cost of service proceeding where its most recent load forecast was approved
Yes	o Include a copy of initiative-level persistence savings informa	ation that was verified by the IESO in Tab 7. Persistence information is available upon request from the IESO
Yes	o Apply the IESO verified savings adjustments to the year it r	elates to.
Yes	o Provide documentation or data substantiating savings from	projects that were not provided in the IESO's verified results reports, inserted in Tab 8 (i.e., streetlighting projects), as applicable

o Provide documentation or analysis on how rate class allocations were determined by customer class and program each year, inserted in Tab 3-a

Work Form Calculations	Source of Calculation	Inputs (Tables to Complete)	Source of Data Inputs	Outputs of Data (Auto-Populated)
Actual Incremental CDM Savings by Initiative	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns D & O)	IESO Verified Persistence Results Reports included in Tab 7 (Columns L to BT).	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
+/- IESO Verified Savings Adjustments	Tab "4. 2011-2014 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns D-M & Columns O-X)	IESO Verified Persistence Results Reports included in Tab 7 (Columns L to BT).	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
+ Initiative Level Savings Persistence	Tab "4. 2011-2014 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns E-M & Columns P-X)	IESO Verified Persistence Results Reports included in Tab 7 (Columns L to BT).	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
x Allocation % to Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AJ)	Determined by the LDC	
Actual Lost Revenues (kWh and kW) by Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"			
- Forecast Lost Revenues (kWh and kW) by Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tab "2. LRAMVA Threshold" Tables 2-a, 2-b and 2-c		
x Distribution Rate by Rate Class	Tab "3. Distribution Rates"	Table 3	LDC's Approved Tariff Sheets	
LRAMVA (\$) by Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"			Tables 1-a and 1-b
+ Carrying Charges (\$) by Rate Class	Tabs "1. LRAMVA Summary" and "6. Carrying Charges"	Table 6		Table 6-a
Total LRAMVA (\$) by Rate Class	Tab "1. LRAMVA Summary"			



LRAMVA Work Form: Summary Tab

Version

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-2015-0073, EB-2016-0075, EB-2017-0044
Application of Previous LRAMVA Claim	2016 COS, 2017/2018 IRM Applications
Period of LRAMVA Claimed in Previous Application	2011-2016
Amount of LRAMVA Claimed in Previous Application	\$ 1,761,700.36

B. Current LRAMVA Application

Current LRAMVA Application (EB#)	EB-2018-0036
Application of Current LRAMVA Claim	2019 IRM Application
Period of New LRAMVA in this Application	2017
Period of Rate Recovery (# years)	1

Actual Lost Revenues (\$)	Α	\$ 994,848
Forecast Lost Revenues (\$)	В	\$ 221,949
Carrying Charges (\$)	С	\$ 18,395
LRAMVA (\$) for Account 1568	A-B+C	\$ 791,293

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.

C. Documentation of Changes

Original Amount

Amount for Final Disposition

Customer Class	Billing Unit	Principal (\$)	Carrying Charges (\$)	Total LRAMVA (\$)
Residential	kWh	\$167,901	\$3,996	\$171,897
GS<50 kW	kWh	\$73,922	\$1,759	\$75,681
General Service 50 to 999 kW	kW	\$109,622	\$2,609	\$112,231
General Service 1,000 to 4,999 kW	kW	\$117,743	\$2,802	\$120,545
Large Use	kW	\$323,968	\$7,710	\$331,679
Unmetered Scattered Load	kWh	\$0	\$0	\$0
Sentinel Lighting	kW	\$0	\$0	\$0
Street Lighting	kW	-\$20,257	-\$482	-\$20,739
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
Total		\$772,898	\$18,395	\$791,293

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

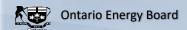
In column C of Table 1-b below, please insert a 'check mark' to indicate the years in which LRAMVA has been claimed. If you inserted a check-mark for a particular year, please delete the amounts associated with the actual and forecast lost revenues for all rate classes for that year, up to and including 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 84 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	
2011 Actuals	Z	\$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
Amount Cleared										
2012 Actuals	¥	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2012 Forecast	<u> </u>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared										
2013 Actuals	y.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2013 Forecast	<u> </u>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared										
2014 Actuals	¥	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2014 Forecast	<u> </u>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared										
2015 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2015 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared										
2016 Actuals	J	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2016 Forecast	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared										
2017 Actuals		\$210,685.59	\$89,680.22	\$133,931.92	\$122,444.86	\$434,472.35	\$0.00	\$0.00	\$3,632.80	\$994,847.74

2017 Forecast	(\$42,784.51)	(\$15,758.30)	(\$24,310.23)	(\$4,702.23)	(\$110,504.24)	\$0.00	\$0.00	(\$23,889.84)	(\$221,949.35)
Amount Cleared									
Carrying Charges - 2017	\$986.42	\$434.29	\$644.03	\$691.74	\$1,903.31	\$0.00	\$0.00	(\$119.01)	\$4,540.78
Carrying Charges - 2018	\$3,009.63	\$1,325.05	\$1,964.97	\$2,110.54	\$5,807.13	\$0.00	\$0.00	(\$363.11)	\$13,854.20
Total LRAMVA Balance	\$171,897	\$75,681	\$112,231	\$120,545	\$331,679	\$0	\$0	-\$20,739	\$791,293

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



LRAMVA Work Form: Summary of Changes

Version 3.0 (2019)

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	LRAMVA Summary	T67 to W68	Calculated Jan. 1 to Dec. 31, 2018 interest and summed total amount requested for disposition inclusive of 2017 interest.	Incorporation of 2018 interest into total amount requested for disposition
2	LRAMVA Summary	B84 to L85	Added row to distinctly show 2017 and 2018 Carrying Charges, and linked amounts as calculated on 'Tab 6. Carrying Charges' for each relevant rate class.	Incorporation of 2018 interest into total amount requested for disposition
3	LRAMVA Summary	D86 to R86	Modified to capture Carrying Charges for 2018	Incorporation of 2018 interest into total amount requested for disposition
4	4. 2011-2014 LRAM	B50, B71, B84, B87, B178, B199, B212, B215, B307, B328, B341, B344, B436, B457, B470, B473	Modified certain initiative names which exist in multiple programs to allow Lookup function to work.	To allow Lookup function to work properly between sheets 4 and 7 (eg. modified "Retrofit" to reflect "Retrofit - Business" and "Retrofit - Industrial" and "Demand Response 3" to "Demand Response 3 - Business" and "Demand Response 3 - Industrial").
5	4. 2011-2014 LRAM	Z51 to AC51, AA103 to AC103, AA106 to AC106, AB119, Z179 to AC179, Z191 to AC191, Z200 to AC200, AA247 to AC247, Z308 to AC308, Z317 to AC317, Z320 to AC320, Z329 to AC329, AB339, AA345 to AC345	Removed existing formula equated the rate class allocation pertaining to an adjustment with the rate class allocation pertaining to the verified result for the same program. Input a rate allocation percentage specific to the adjustment instead.	In some cases an adjustment relates to a different customer(s) or project(s) than the initial verified result, and therefore to a different rate class.
6	5. 2015-2020 LRAM	Row 277, 278	Added the Home Depot Home Appliance Market Uplift Conservation Fund Pilot Program	The program referenced did not appear on the model
7	5. 2015-2020 LRAM	Row 477, 478	Added the Save on Energy Instant Discount Program	The program referenced did not appear on the model and it has been added in the 'Other' category.
,	J. 2013-2020 LIMIVI	NOW 477, 470	Added the Save on Energy Energy Performance Program for Multi-Site Customers and the	1.0
8	5. 2015-2020 LRAM	Row 567-572	Whole Home Pilot Program	The programs referenced and not appear on the model
9	5. 2015-2020 LRAM	D575-M575, O575-X575	Extended the existing 'sum' formula to include rows 567-572	To capture programs that were added to the model
10	5. 2015-2020 LRAM	O493 to X493	Added 24kW in demand savings for Streetlighting class in the Business Retrofit line item (2017 result). Calculated % change per annum for persistence for the overall Business Retrofit program on Tab 8 Streetlighting and applied this persistence factor to the Streetlighting Demand of 24kW in 2017 to determine the estimated savings extending to 2026.	Addition of Streetlighting Persistence (Demand only)
11	6. Carrying Charges	C46, H129 to H131	Estimated interest for Q4 2018 based on the current perscribed rate of 1.89% per annum.	Incorporation of 2018 interest into total amount requested for disposition
12	Carrying Charges	I132 to W132	Modified formula to reflect 2018 interest charges only, and exclude the opening balance for 2018.	Interest for 2017 and 2018 are presented in individual lines in the LRAMVA summary on Tab 1.
13	LRAMVA Summary	F27 to F43	Existing formula captured 2017 carrying charges; modified to capture 2018 as well.	Incorporation of 2018 interest into total amount requested for disposition
14	LRAMVA Summary	H21	Modified existing formula to capture 2017 and 2018 carrying charges	Incorporation of 2018 interest into total amount requested for disposition
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 3.0 (2019)

Legend

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

Instructions (Grey)

Table 2-a. LRAMVA Threshold

Please provide the LRAMVA threshold approved in the cost of service (COS) application, which is used as the comparator against actual savings in the period of the LRAMVA claim. The LRAMVA threshold should generally be consistent with the annualized savings targets developed from Appendix 2-I. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

	Total	Residential	GS<50 kW	General Service 50 to 999 kW	General Service 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting						
		kWh	kWh	kW	kW	kW	kWh	kW	kW	0.0	0.0	0.0	0.0	0.0	0.0
kWh	33,013,333	4,365,766	1,133,691	3,401,072	728,801	22,538,608	0	0	845,395						
kW	53,193			8,871	1,546	40,432		0	2,344						
				·											
Summary		4365765.93	1133690.83	8871.376112	1545.717768	40431.83278	0	0	2343.772459	0	0	0	0	0	0

Years Included in Threshold 0.5*2014 + 2015 + 0.5*2016 (App. 2I file EB-2015-0073); Manual adjustment to load forecast = 27,299,116; Amount used for CDM threshold for LRAMVA (2017)=33,013,333

Source of Threshold 2016 Settlement Agreement (EB-2015-0073), p. 20 and Appendix E p. 44 to 47

Table 2-b. LRAMVA Threshold

Please provide the LRAMVA threshold approved in the last COS application, which is used as the comparator against actual savings in the period of the LRAMVA threshold should generally be consistent with the annualized savings targets developed from Appendix 2-I. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

	Total	Residential	GS<50 kW	General Service 50 to 999 kW	General Service 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting						
		kWh	kWh	kW	kW	kW	kWh	kW	kW	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	General Service 50 to 999 kW	General Service 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting						
		kWh	kWh	kW	kW	kW	kWh	kW	kW	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	2017	4,365,766	1,133,691	8,871	1,546	40,432	0	0	2,344	0	0	0	0	0	0

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



LRAMVA Work Form: Distribution Rates

Version 3.0 (2019)

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-2016-0075	EB-2017-XXXX	EB-2018-XXXX	EB-2019-XXXX	EB-2020-XXXX
Rate Year	-	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Period 1 (# months)		40	- 40	40	40	- 10	40	10	0	40		40	10
Period 2 (# months)		12	12	12	12	12	12	12	12	12	12	12	12
Residential Rate rider for tax sharing	-								\$ 0.0098				
Rate rider for foregone revenue	kWh												
Other Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0098	\$ -	\$ -	\$ -	
Calendar year equivalent		3 -	\$ -	\$ -	\$ -	\$ - \$ -	\$ -	\$ -	\$ 0.0098		\$ -	\$ -	
00.501111						1					ı	1	
GS<50 kW Rate rider for tax sharing									\$ 0.0139				
Rate rider for foregone revenue	kWh												
Other Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0139	\$ -	\$ -	\$ -	
Calendar year equivalent		9	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0139		\$ -	\$ -	
General Service 50 to 999 kW	1				1				\$ 2.7403				
Rate rider for tax sharing	-								\$ 2.7403				
Rate rider for foregone revenue	kW												
Other Adjusted rate	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.7403	\$ -	\$ -	\$ -	
Calendar year equivalent			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.7403		\$ -	\$ -	
General Service 1,000 to 4,999 kW					1				\$ 3.0421		I		
Rate rider for tax sharing	-								\$ 3.0421				
Rate rider for foregone revenue	kW												
Other Adjusted rate	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.0421	\$ -	\$ -	\$ -	
Calendar year equivalent			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.0421		\$ -	\$ -	
Large Use									\$ 2.7331				
Rate rider for tax sharing	-								\$ 2.7331				
Rate rider for foregone revenue	kW												
Other Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.7331	\$ -	\$ -	\$ -	
Calendar year equivalent			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.7331		\$ -	\$ -	
Unmetered Scattered Load					1				\$ 0.0221		l		
Rate rider for tax sharing	1								\$ 0.0221				
Rate rider for foregone revenue	kWh												
Other Adjusted rate	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0221	\$ -	\$ -	\$ -	
Calendar year equivalent			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0221		\$ -	\$ -	
Sentinel Lighting					1				\$ 8.3138		l		
Rate rider for tax sharing									ψ 0.5150				
Rate rider for foregone revenue	kW												
Other Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8.3138	\$ -	\$ -	\$ -	
Calendar year equivalent			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8.3138		\$ -	\$ -	
Street Lighting									\$ 10.1929				
Rate rider for tax sharing													
Rate rider for foregone revenue Other	kW												
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 10.1929		\$ -	\$ -	
Calendar year equivalent			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10.1929	\$ -	\$ -	\$ -	
0													
Rate rider for tax sharing	0												
Rate rider for foregone revenue Other	. 0												
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	
Calendar year equivalent			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
0													
Rate rider for tax sharing Rate rider for foregone revenue	0												
Other													
Adjusted rate Calendar year equivalent		\$ -	\$ - \$ -	\$ -	\$ - \$ -	\$ - \$ -	\$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ -	\$ -	
Calcinual year equivalent					<u> </u>					· ·			
O Determine for the set													
Rate rider for tax sharing Rate rider for foregone revenue	. 0												
Other			•				•			•			
Adjusted rate Calendar year equivalent		\$ -	\$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	
						-				· ·			
Rate rider for tax sharing													
Rate rider for foregone revenue	0												
Other		e	¢	e	•	e	¢	e	e	¢	e	e	
Adjusted rate Calendar year equivalent		\$ -	\$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	\$ -	\$ - \$ -	\$ -	\$ - \$ -	\$ - \$ -	\$ - \$ -	l
/	1												
Rate rider for tax sharing													
Rate rider for foregone revenue	0												
Other Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	¢ -	\$ -	9	
Calendar year equivalent	I.	Ψ -	\$ -	\$ -	\$ -	\$ - \$ -	\$ -	\$ - \$ -	\$ -	\$ - \$ -	\$ - \$ -	\$ -	<u> </u>
Rate rider for tax sharing	-												
Rate rider for foregone revenue	0												
Other Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Calendar year equivalent	I.		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	1
Note: LDC to make note of adjustments													

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 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting						
	kWh	kWh	kW	kW	kW	kWh	kW	kW	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	\$0.0098	\$0.0139	\$2.7403	\$3.0421	\$2.7331	\$0.0221	\$8.3138	\$10.1929	\$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



LRAMVA Work Form: **Determination of Rate Class Allocations**

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.

ELO.S must clearly snow how it has aniocation for actual CDM savings to applicable rate cases, including supporting occumentation and rationale for its should be snown by customer class and program each year.

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 are tabulated, and then summarized by rate class separately for both energy and demand. A separate percent allocation is calculated for both energy and demand as some customers (e.g. 65-50) 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.

OPA CRM	CRM Application	GHESI Customer	OEB LRAM	Total Demand	Total Energy
3	Number 154,469	Rate Class L1	Classification LU - C&I	Savings 6.7	Saving 26,85
12	153,832	GD	GS<1MW - C&I	0.0	7,13
16 27	156,121 169,671	G2 GM	GS<5MW - IND GS<50	1.1 1.3	48,06i 11,07
28	170,845	GM	GS<50	8.3	41,87
41 47	156,713 172,137	GO GM	GS<1MW - C&I GS<50	1.4	12,369 8,400
52	170,946	GM	GS<50	0.2	8,879
53 56	170,959 173,474	GM GM	GS<50 GS<50	0.2 6.1	7,21 28,11
66	172,215	L2	LU - IND	1.5	13,070
67 68	172,455 172.994	L2 GM	LU - IND GS<50	2.7 0.8	10,744 3,675
72	169,642	GM	GS<50	7.0	27,830
74 75	167,976 169,157	GD G2	GS<1MW - C&I GS<5MW - IND	0.0	162,569 81.55
76	169,839	G2	GS<5MW - IND	5.2	14,19
77 78	170,670 170,720	G0 GM	GS<1MW - C&I GS<50	9.1 1.1	63,876 28,54
79	171,129	GM	GS<50	6.2	64,67
80 81	168,427 172,301	GM GM	GS<50 GS<50	3.9 3.2	14,911 11,611
82	173,280	T2	GS<5MW - IND	4.0	18,37
83 84	173,345 173.583	GM GD	GS<50 GS<1MW - C&I	0.9	3,42 12.26
85	174,602	GD	GS<1MW - C&I	39.8	165,44
86 87	174,700 174,705	GM GM	GS<50 GS<50	4.9 0.0	18,331
91	171,481	T1	GS<5MW - IND	0.0	113,00
92 93	171,928 173,002	G0 GM	GS<1MW - C&I GS<50	17.3 1.2	109,37
95	167,613	GD	GS<1MW - C&I	21.7	134,96
96 97	170,912 172,520	G0 GD	GS<1MW - C&I GS<1MW - C&I	14.6	112,91
98	156,638	T4	GS<5MW - IND	0.0	700,82
101 102	170,573 175,510	G1 T1	GS<1MW - C&I GS<5MW - IND	0.0	74,033 80,650
103	173,445	GM	GS<50	10.0	41,520
104 106	174,852 167,703	GD T2	GS<1MW - C&I GS<5MW - IND	12.1 105.3	51,621 917,51
107	155,773	T2	GS<5MW - IND	32.9	255,924
108 109	171,935 176,185	GM GD	GS<50 GS<1MW - C&I	1.8	28,431 38,220
110	176,520	GD	GS<1MW - C&I	28.4	78,23
111 112	177,371 180,713	CD GM	GS<1MW - C&I GS<50	14.5 5.4	89,74 22,01
113	180,714	GM	GS<50	5.2	19,80
114 115	182,179 182,259	L2 L2	LU - IND	3.3 2.0	22,68i 13.49i
118	172,550	T4	GS<5MW - IND	16.8	119,57
119 120	176,411 178,833	T2 GD	GS<5MW - IND GS<1MW - C&I	0.0	61,803 2,29 3
121	181,070	GM	GS<50	14.8	72,39
123 124	174,060 176,463	GD GM	GS<1MW - C&I GS<50	1.7 12.1	26,030 42,034
125	178,879	GD	GS<1MW - C&I	26.0	192,49
126 127	183,121 183,562	L2 CD	LU - IND GS<1MW - C&I	7.0 11.5	45,37° 52,83°
128	153,636	GD	GS<1MW - C&I	0.0	7,541
129 131	159,328 164,311	L1 L2	LU - C&I LU - IND	0.0 5.3	16,449 24,48
132	174,040	GD	GS<1MW - C&I	1.4	6,41
133 134	175,976 176,008	GD GM	GS<1MW - C&I GS<50	14.0	64,316 5,831
135	179,147	GD	GS<1MW - C&I	0.0	23,14
136 137	183,282 165,266	GD T8	GS<1MW - C&I GS<5MW - IND	0.6 126.0	1,079,81
138	165,546	T2	GS<5MW - IND	293.9	2,497,00
139 140	165,830 178,411	L2 GD	LU - IND GS<1MW - C&I	229.4 4.9	1,949,08 14,76
141	181,296	GD	GS<1MW - C&I	30.5 2.0	147,86
142 143	181,653 181.917	GM ST	GS<50 STLT	2.0	7,320 114,88
3	169,963	GO	GS<1MW - C&I	0.2	88
<u>4</u> 5	169,964 171,262	GO GM	GS<1MW - C&I GS<50	5.4 4.0	45,72: 9,11
6	173,135	GO	GS<1MW - C&I	13.0	70,74
7 8	176,088 177,373	GM T2	GS<50 GS<5MW - IND	6.1 0.0	28,20° 17,51
9	177,992	L3	LU - IND	54.8	479,82
10 11	178,848 182,991	GM GM	GS<50 GS<50	3.1 9.1	14,011 34,114
12	183,874	T4	GS<5MW - IND	2.6	1,90
13 15	186,636 172,043	T2 GD	GS<5MW - IND GS<1MW - C&I	2.8 1.4	13,079
16	185,939	GM	GS<50	1.5	2.209.04
18 19	166,424 176,315	L2 GD	LU - IND GS<1MW - C&I	259.6 55.1	202,21
20	179,743	GD	GS<1MW - C&I	20.8	125,91
21 23	182,321 185,426	GD GD	GS<1MW - C&I GS<1MW - C&I	19.3 0.5	127,62 2,15
25	162,131	GO	GS<1MW - C&I	389.6	1,032,54
28 29	169,179 172,275	G2 G0	GS<1MW - C&I	4.8 350.9	41,35 929,83
30	175,399	GD	GS<1MW - C&I	5.8	22,231
31 33	176,036 177,143	T1 GM	GS<5MW - IND GS<50	7.5 0.0	26,44 7,64
34	177,586	L1	LU - C&I	35.2	344,07
35 36	178,450 178,780	GD GM	GS<1MW - C&I GS<50	4.6 1.8	13,81 8,13
37	178,866	GD	GS<1MW - C&I	0.6	3,71
38 43	180,601 184,063	GM CD	GS<50 GS<1MW - C&I	11.2 0.4	31,10 25,24
47	179,238	GM	GS<50	1.8	9,28
48 49	179,246 179,480	GM GM	GS<50 GS<50	1.4 0.0	6,82
50	179,909	GD	GS<1MW - C&I	12.4	56,96
51 52	179,910 183,039	GD 13	GS<1MW - C&I	0.0	9,24 208,13
53	183,040	L3	LU - IND	0.0	239,91
54 58	183,042 165,620	L3 G1	LU - IND	0.0 41.5	203,651
	105,620	01	GS<1MW - C&I GS<5MW - IND	41.5 17.7	125.57

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%

69	173,459	GD	GS<1MW - C&I	43.2	329,308
68	172,265	L1	LU - C&I	121.8	448,461
67	159,329	L1	LU - C&I	0.0	179,186
66	159,325	L1	LU - C&I	0.0	595,231
65	159,324	L1	LU - C&I	0.0	83,078
63	180,779	GD	GS<1MW - C&I	0.0	5,460
62	180,046	T1	GS<5MW - IND	14.9	130,349
61	175,665	T2	GS<5MW - IND	83.0	950,597
60	174,046	GD	GS<1MW - C&I	4.5	24,654

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	1,613,390								1,613,390	11.2%	0.0%		
GS<50 kW		778,995							778,995	5.4%	6.1%		
GS 50 to 999 kW		533,135		555,604			1,162,283		2,251,023	15.6%	17.6%		
GS 1000 to 4999 kW		0		185,201			5,811,417		5,996,618	41.6%	46.9%		
Large Users		28,060		2,963,222			774,856		3,766,137	26.1%	29.4%		
Unmetered Scattered Loads									0	0.0%	0.0%		
Sentinel Lighting									0	0.0%	0.0%		
Street Lighting									0	0.0%	0.0%		
Total	1,613,390	1,340,190		3,704,027		0	7,748,556		14,406,163	100.0%	100.0%		

			UHL	31 Kate Class Allo	ation Estimation	- ZUIZ FINAL VE	RIFIED Results by	KVVII			
Residential Program Total	Commercial & Institutional Program Total	Industrial Program Total		Home Assistance Program Total	Pre-2011 Programs completed in 2011 Total	Other Total	Adjustments to Previous Year's Verified Results	2012 Incremental Total Estimated by Rate Class	Estimated % Allocation	2011 OPA programs persistence in 2012 towards 2014 Target	Total
876,212				0				876,212	9.8%	1,612,046	2,488,258
	900,009				983			900,992	10.1%	778,346	1,679,339
	2,100,021	1,500,015					883,018	4,483,054	50.1%	2,249,148	6,732,201
	0	150,001						150,001	1.7%	5,991,623	6,141,625
	900,009	450,004				1,188,362		2,538,375	28.4%	3,763,000	6,301,375
								0	0.0%	0	0
								0	0.0%	0	0
								0	0.0%	0	0
876,212	3,900,039	2,100,021		0	983	1,188,362	883,018	8,948,635	100.0%	14,394,163	23,342,798
									persistence:	0.9992	

			GHESI Rate	Class Allocation E	stimation - 2013 F	NAL VERIFIED Res	ults by kWh			
Residential Program Total	Commercial & Institutional Program Total	Industrial Program Total	Home Assistance Program Total	Pre-2011 Programs completed in 2011 Total	Other Total	Adjustments to Previous Year's Verified Results	2013 Incremental Total Estimated by Rate Class	Estimated % Allocation	2011 OPA programs persistence in 2013 towards 2014 Target	2012 OPA programs persistence in 2013 towards 2014 Target
835,414			0				835,414	10.3%	1,610,702	872,589
	341,571						341,571	4.2%	777,697	897,267
	1,370,356	341,571				257,548	1,969,475	24.3%	2,247,273	4,464,518
	0	1,028,785					1,028,785	12.7%	5,986,628	149,381
	2,732,569	1,098,008			96,000		3,926,577	48.5%	3,759,863	2,527,880
							0	0.0%	0	0
							0	0.0%	0	0
							0	0.0%	0	0
835,414	4,444,496	2,468,364	0	0	96,000	257,548	8,101,823	100.0%	14,382,163	8,911,637
								persistence:	0.9983	0.9959

			GHESI Rate C	lass Allocation Actua	al Amount - 2011 F	INAL 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	645						0		645	18.9%	0.0%
GS<50 kW		313					0		313	9.2%	11.3%
GS 50 to 999 kW		376	90.0%	119	20.0%		217	15.0%	712	20.8%	25.7%
GS 1000 to 4999 kW		0		30	5.0%		941	65.0%	970	28.4%	35.0%
Large Users		42	10.0%	447	75.0%		289	20.0%	778	22.8%	28.1%
Unmetered Scattered Loads									0	0.0%	0.0%
Sentinel Lighting									0	0.0%	0.0%
Street Lighting									0	0.0%	0.0%
Total	645	731		596		0	1,447		3,419	100.0%	100.0%
,										ion-RES kWh Total:	
									2011	Non-RES kW Total:	2.774

			GHE	ESI Rate Class Allo	cation Estimation	n - 2012 FINAL VE	RIFIED Results by	kW			
Residential Program Total	Commercial & Institutional Program Total	Industrial Program Total		Home Assistance Program Total	Pre-2011 Programs completed in 2011 Total	Other Total	Adjustments to Previous Year's Verified Results	2012 Incremental Total Estimated by Rate Class	Estimated % Allocation	2011 OPA programs persistence in 2012 towards 2014 Target	Total
294				0				294	5.8%	563	857
	295				1			296	5.8%	273	570
	945	473	68.6%				104	1,522	30.0%	622	2,144
	0	59	2.9%					59	1.2%	847	907
	473	118	28.6%			2,304		2,895	57.1%	680	3,574
								0	0.0%	0	0
								0	0.0%	0	0
								0	0.0%	0	0
294	1,713	650		0	1	2,304	104	5,066	100.0%	2,986	8,052
				•					persistence:	0.8734	

				GHESI Rate	e Class Allocation E	stimation - 2013 F	INAL VERIFIED Re	sults by kW			
Residential Program Total	Commercial & Institutional Program Total	Industrial Program Total		Home Assistance Program Total	Pre-2011 Programs completed in 2011 Total	Other Total	Adjustments to Previous Year's Verified Results	2013 Incremental Total Estimated by Rate Class	Estimated % Allocation	2011 OPA programs persistence in 2013 towards 2014 Target	2012 OPA programs persistence in 2013 towards 2014 Target
328				0				328	5.4%	562	232
	212							212	3.5%	273	233
	708	159	15.8%				54	921	15.1%	621	1,199
	0	443	8.1%					443	7.3%	846	47
	900	3,272	76.1%			16		4,187	68.7%	679	2,280
								0	0.0%	0	0
								0	0.0%	0	0
								0	0.0%	0	0
328	1,819	3,874		0	0	16	54	6,091	100.0%	2,981	3,991
									nersistence:	0.8719	0.7876

2,755,00,455 2,263 6,000,660 1,623 2,290,130	NOTE: FOR ACCRUAL OF PERSISTE	ENCE, ONLY USE EN	RGY PERSISTENCE	FROM PREVIOUS YE	EARS, AS DEMAND S	AVINGS ARE PERC	EIVED AS ONLY NEV	W INCREMENTAL RE	SOURCES (IE. BUILD	ING A GENERATOR
Program Incomental Peak In	2011 FINAL	Gross	Savings			Net Savings		Co	ontribution to Targe	ets
Program	2022 1 111712	21033							, runge	
Committed Comm		Incremental Peak	Incremental				Incremental			2011-2014 Net
Commercial A institutional Program Total 92 2,201,279 665 1,661,329 519 6,651,329	Program									
Accordance Program Total		(kW)	(kWh)		(kW)		(kWh)			
Section Sect		000	2 502 125				4 640 006			
Marcial Program Total										
The control of the										
The 2011 Program competed in 2012 2.787 1.597.506 1.447 7,748.556 1.447 30.094.225 37.10.278 3										
Available Avai										
2012 FRAIL Corns Sovings										
Program Incremental peak I		From OPA CDM 201	3 FINAL VERIFIER R	FSIIITS REPORT 115	ing Scenario 1 (DR)	esults have a 1 year		2,320		37,410,878
Program				LIGHT ON I, US	ing Secretion 1 (Bit)		п регологенесу	C	ontribution to Targe	ate
Program Decemental Peak Demand Savings Energy Savings (WW) Program Total S44 1.566,827 294 875,122 1813 9,000,450 (WW) 2014 (W	EVIL I IIIAL	0.033	20411182			rect surings			intribution to raige	
Program Demand Savings Demand Savi		Incremental Peak	Incremental		Incremental Peak		Incremental			2011-2014 Net
CRAPT Control CRAPT Control CRAPT	Program	Demand Savings	Energy Savings		Demand Savings		Energy Savings			
Section Sect	_	(kW)			(kW)		(kWh)			Energy Savings
Controlled Control C										(kWh)
Machinal Program Total 0	Residential Program Total									
Description	Commercial & Institutional Program 1									
The 2011 Programs completed in 201: 1 983 1 1 983 1 1,448 30,9971.76	Industrial Program Total									
18.8.362 2.304 3.355,086	Home Assistance Program Total				0					
100 100	Pre-2011 Programs completed in 201									
Program	Other Total									
Program	Adjustments to Previous Year's Verifi									
Incremental Peak Demand Savings City	Total OPA Contracted Province-Wide				5,067		8,948,635			
Incremental Peak Incremental Peak Demand Savings (kW) Regram Total Demand Savings (kWh) Regram Total Demand Savings Regram Total Demand Regram Regram Total Demand Regram Regram Total Demand Regram Regram Total Demand Regram Regram Total Demand Regram Regram Total Demand Regram Regram Total Demand Regram Regram Total Demand Regram Regram Tot	2013 FINAL	Gross	Savings			Net Savings		Co	ontribution to Targe	
Program Demaid Savings (kW) 23.26 2.26.27 2.21.27 2.26.27 2.21.27 2.26.27 2.21.27 2.26.27 2.21.27 2.26.27		l						Program-to-Date:		
Program Demand Savings Energy Savings (kW)										
(kW) (kW) (kWh)	Program									
Commercial & Institutional Program Total G61		(kW)	(kWh)		(kW)		(kWh)			
Contribution of Targets 2,564 9,004,000 2,117 6,831,422 2,674 3,6614,202										
Demand Response 3										
The Policy Program of Completed in 2012 0										
16 96,000 16 96,000 3,757,086 12,856,000 16 96,000 3,757,086 13,856,058 10,334,073 10										
Demail Program Demail Peak										
Program										
Incremental Peak Demand Savings CkWh Demand Savings					6,091		8,101,823			
Incremental Peak Incremental	2014 FINAL	Gross	savings			Net Savings		Co	ontribution to Targe	
Incremental Peak		l						Program-to-Date:		
Program Demand Savings Energy Savings (kW)	_									
(kW) (kW)	Program									
CWN		(kW)	(kWh)		(kW)		(kWh)			
A										
A										
3,666 0 0 0 0 0 0 0 0 0										
dijusted findustrial Program Total 0							0			
1										
The 2012 Program completed in 2015 0 0 0 0 1,448 30,997,175 688 0 688 0 3,006 3,757,066 688 0 3,006 3,00	Adjusted Industrial Program Total									
1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,										
	Pre-2011 Programs completed in 201									
1,1,652 1,1,00 1,0,00 1,0,00 1,0,00 1,0,0,00 1,0,0,00 1,0,0,0,0,0,0 1,0,0,0,0,0,0 1,0,0,0,0,0,0 1,0,0,0,0,0,0 1,0,0,0,0,0,0 1,0,0,0,0,0,0 1,0,0,0,0,0,0 1,0,0,0,0,0,0 1,0,0,0,0,0,0 1,0,0,0,0,0,0 1,0,0,0,0,0,0,0 1,0,0,0,0,0,0,0 1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	Other Total									
Incremental Peak 1,790,542 1,870 1,28,527 1,970,542 1,										
15,127 1										
Source Program Progr										
Incremental Peak Demand Savings	Adjusted Total OPA Contracted Prov	8,412			6,793		18,790,542			
Incremental Peak Incremental	2015 Q4 UNVERIFIED PRELIMINAR	Gross	Savings			Net Savings		Co	ontribution to Targe	
Incremental Peak								Program-to-Date:		
Program										
(kW) (kW) (kW) (kW) (kW) (kW) 2014 thergy saving (kWh) esidential Program Total 348 1,182,066 (kWh) (kWh) <t< td=""><td>Program</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Program									
(KWN)		(kW)	(kWh)		(kW)		(kWh)			
ommercial & Institutional Program Total 5,610 10,880,280 industrial Program Total 4,389 39,012,556 one Assistance Program Total 0 0 djustments to Previous Year's Verified Results 0 0										(kWh)
distribul Program Total 4,389 39,012,556 ome Assistance Program Total 0 0 gjustements to Provious Year's Yerified Results 0 0										
lome Assistance Program Total 0 0 0 djustments to Previous Year's Verified Results 0 0		Total								
djustments to Previous Year's Verified Results 0 0										
otal IESO Contracted LDC CDM Programs 10,347 51,074,903										
	Total IESO Contracted LDC CDM Prog	rams			10,347		51,074,903			

PERSISTENCE for 2011 VERIFIED RESULTS (from GHESI OEB 2011 Annual Report)
PERSISTENCE for 2012 VERIFIED RESULTS (from GHESI OEB 2012 Annual Report)
PERSISTENCE for 2013 VERIFIED RESULTS (from GHESI OEB 2013 Annual Report)

% of 2012 RESULTS (energy)	-		.00%	99.59%		98.32%									PERSISTENCE for 2014 VERIFIED RESULTS (from GHESI OEB 2014 Annual Report)
2013 VERIFIED	-		0.26	8.10		8.00									PERSISTENCE in 2015 calculated from IESO Annual Net: Gross
% of 2013 RESULTS (energy)	-	-		100.00%		98.75%									
2014 VERIFIED		0.45	1.58	8.74		18.79									
% of 2014 RESULTS (energy)	-	-		-		100.00%									
NET PEAK DEMAND SAVINGS							ANN								
		2011	2012	2013		2014	2015	2	216	017 20	18	2019	2020	2021	
2011 VERIFIED			2.99	2.98		2.93									
% of 2011 RESULTS (demand)			.34%	87.19%		85.64%									
2012 VERIFIED			5.07	3.99		3.96									
% of 2012 RESULTS (demand)	-		.00%	78.76%		78.09%									
2013 VERIFIED	-		0.05	6.09		1.45									
% of 2013 RESULTS (demand)		-		100.00%		23.79%									
2014 VERIFIED		0.12	2.77	4.11		11.68									
% of 2014 RESULTS (demand)	-	-		-		100.00%									
PERSISTENCE - ENERGY:			2012	2013		2014	2015				18	2019	2020	2021	
20	011		9992	0.9983		0.9877	0.9787	0.9				0.7855	0.7697	0.7631	from "2011 Persistence - Guelph Hydro 20160422.WORKING.xlsx"
20	.012 -	1	0000	0.9959		0.9833	0.9143	0.8.				0.6664	0.6590	0.5803	from "2012 Gross Savings & PERSISTENCE- Guelph Hydro Electric.WORKING.xisx"
	.013 -	-		1.0000		0.9876	0.9844	0.9				0.9095	0.9074	0.8935	from "2013 Guelph Hydro Electric Systems Inc. 2013 Verified Results-GrossPersistentSavings-2014-Sep-22.WORKING.xlsx"
20	014 -	-		-		1.0000	0.9896	0.9				0.6306	0.6252	0.6231	from "2014 Guelph Hydro - 2014 Persistence Data 20160425.WORKING.xlsx"
20	015 -	-			-	-	1.0000	0.9	977 0.9	959 0.99	56	0.9928	0.9924	0.9855	from "Final 2015 Annual Verified Results Report - Annual Persistence_GuelphHydro_20160729.WORKING.xlsx"
20	.016 -	-		-		-	-								
20	.017 -	-			-	-		-							
20	018 -	-			-	-		-	-						
	.019 -	-			-	-		-	-	-					
20	.020 -	-			-	-		-	-	-					
PERSISTENCE - DEMAND:			2012	2013		2014	2015				18	2019.0000	2020.0000	2021.0000	
			9985	0.9807		0.9754	0.9650	0.9				0.7963	0.7922	0.7225	from "2011 Persistence - Guelph Hydro 20160422.WORKING.xlsx"
20	.012 -	1	0000	0.7878		0.7810	0.3344	0.3				0.2495	0.2478	0.2259	from "2012 Gross Savings & PERSISTENCE- Guelph Hydro Electric.WORKING.xlsx"
20	.013 -	-		1.0000		0.2379	0.2371	0.2.				0.2126	0.2120	0.2077	from "2013 Guelph Hydro Electric Systems Inc. 2013 Verified Results-GrossPersistentSavings-2014-Sep-22.WORKING.xlsx"
	014 -	-		-		1.0000	0.4991	0.4				0.3903	0.3886	0.3880	from "2014 Guelph Hydro - 2014 Persistence Data 20160425.WORKING.xlsx"
	.015 -	-		-		-	1.0000	0.9	994 0.9	974 0.99	73	0.9947	0.9944	0.9877	from "Final 2015 Annual Verified Results Report - Annual Persistence_GuelphHydro_20160729.WORKING.xlsx"
	.016 -	-		-		-	-								
20	.017 -	-		-		-	-	-							
20	.018 -	-		-		-	-	-	-						
	.019 -	-		-		-	-	-	-	-					
20	.020 -	-						-	-			-			

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

The CEB'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

Total	
3,318,70	5
2,016,530	5
8,681,260	5
7,164,79	5
10,214,32	o
0	
0	
0	
31,395,62	2

7otal

1,122
718
2,741
1,336
7,146
0
0
0
13,062

			GHE	SI Rate Class Allo	cation Estimation	- 2014 FINAL VE	RIFIED Results by	kWh				
Residential Program Total	Commercial & Institutional Program Total	Industrial Program Total	Home Assistance Program Total	Other Total	Adjustments to Previous Year's Verified Results		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
2,137,653			20,414	0	-61,605		2,096,462	11.2%	1,593,567	861,525	825,000	5,376,554
	1,579,133				557,689		2,136,822	11.4%	769,424	885,890	337,313	4,129,449
	1,894,960				881,169	10.7%	2,776,129	14.8%	2,223,365	4,407,910	1,944,924	11,352,328
	2,684,526				817,651	9.9%	3,502,177	18.6%	5,922,941	147,487	1,015,960	10,588,565
	1,737,046				6,541,906	79.4%	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
2,137,653	7,895,666	0	20,414				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	

Idjustments to Previous Year's Perified Results		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
-61,605		2,096,462	11.2%	1,593,567	861,525	825,000	5,376,554
557,689		2,136,822	11.4%	769,424	885,890	337,313	4,129,449
881,169	10.7%	2,776,129	14.8%	2,223,365	4,407,910	1,944,924	11,352,328
817,651	9.9%	3,502,177	18.6%	5,922,941	147,487	1,015,960	10,588,565
6,541,906	79.4%	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	

			GHESI R	ate Class Alloca	tion Estimation	by % - 2015 FINA	AL VERIFIED Resi	ults 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	2014 IESO programs persistence in 2015 towards 2020 Target	Total
2,615,165						2,615,165	4.6%	1,579,086	801,111	822,412	2,074,756	7,892,529
	100,000					100,000	0.2%	762,432	823,767	336,255	2,114,698	4,137,152
	2,000,000					2,000,000	3.5%	2,203,161	4,098,805	1,938,822	2,747,386	12,988,174
	7,000,000					7,000,000	12.3%	5,869,117	137,145	1,012,773	3,465,917	17,484,952
	45,000,000					45,000,000	79.3%	3,686,061	2,320,808	3,865,463	8,193,235	63,065,567
						0	0.0%	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	0	56,715,165	100.0%	14,099,856	8,181,634	7,975,725	18,595,993	105,568,373
							persistence:	0.9787	0.9143	0.9844	0.9896	•

GHESI Rate Class Allocation Percent - Retrofit Program - 2016 Final Verified Results			
RATE CLASS	Descripti on	% Allocati on based on Energy	% Allocatio n 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	SENLT	0.0%	0.0%
Street Lighting	STLT	0.0%	0.0%
	Total:	100.0%	100.0%

Residential Program Total	Commercial & Institutional Program Total		Industrial Program Total	Home Assistance Program Total	Other Total	Adjustments to Previous Year's Verified Results		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
722				1	688	-46		1,366	20.1%	552	230	78	2,226
	191					104		295	4.3%	268	231	50	845
	357	32.9%				238	5.9%	595	8.8%	610	1,189	219	2,613
	522	48.2%				180	4.4%	702	10.3%	831	46	105	1,685
	204	18.8%				3,630	89.7%	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
722	1,273		0	1	688	4,108		6,793	100.0%	2,928	3,957	1,449	15,126
								11.683	persistence:	0.8564	0.7809	0.2379	

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	2014 IESO programs persistence in 2015 towards 2020 Target	Total
532						532	4.4%	622	284	110	324	1,872
	500					500	4.2%	302	286	71	70	1,229
	1,000					1,000	8.3%	688	1,469	308	141	3,605
	2,000					2,000	16.6%	936	57	148	166	3,308
	8,000					8,000	66.5%	751	2,793	1,400	909	13,854
						0	0.0%	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	0	12,032	100.0%	3,299	4,889	2,037	1,611	23,868
							persistence:	0.9650	0.3344	0.2371	0.4991	



LRAMVA Work Form: 2011 - 2014 Lost Revenues Work Form

Version 3.0 (201

Legend

User Inputs (Green)
Auto Populated Cells (White)

Instructions (Grey)

Instruction

- 1. LDCs can apply for disposition of LRAMVA amounts at any time, but at a minimum, must do so as part of a cost of service (COS) application. The following LRAMVA work forms apply to LDCs that need to recover lost revenues from the 2011-2014 period. Please input or manually link the savings, adjustments and program savings persistence data in these tables from the LDC's Persistence Reports provided by the IESO (in Tab 7). As noted earlier, persistence data is available upon request from the IESO. Please also be advised that the same rate classes (of up to 14) are carried over from the Summary Tab 1.
- 2. Please ensure that the IESO verified savings adjustments apply back to the program year it relates to. For example, savings adjustments related to 2012 programs that were reported by the IESO in 2013 should be included in the 2012 program savings table. In order for persisting savings to be claimed in future years, past year's initiative level savings results need to be filled out in the tables below. If the IESO adjustments were made available to the LDC after the LRAMVA was approved, the persistence of those savings adjustments in the future can be claimed as approved LRAMVA amounts are considered to be final.
- 3. The work forms below include the monthly multipliers for most programs in order to claim demand savings from energy efficiency programs, consistent with the monthly multipliers indicated in the OEB's updated LRAM policy related to peak demand savings in EB-2016-0182. Demand Response (DR3) savings should generally not be included with the LRAMVA calculation, unless suported by empirical evidence. LDCs are requested to confirm the monthly multipliers for all programs each year as placeholder values are provided. If a different monthly multiplier is used, please include rationale in Tab 1-a and highlight the new multiplier that has been used.
- 4. LDC are requested to input the applicable rate class allocation percentages to allocation percentages to allocation percentage for program savings and its savings adjustments. If a different allocation is proposed for savings adjustments, LDCs must provide supporting rationale in Tab 1-a and highlight the change.
- 5. The persistence of future savings is expected to be included in the distributor's load forecast after re-basing. LDCs are requested to delete the applicable savings persistence rows (auto-calculated after the LRAMVA totals for the year) if future year's persistence of savings is already captured in the updated load forecast. Please also provide assumptions about the years in which persistence is captured in the load forecast calculation in the "Notes" section below each table.

Tables

Table 4-a. 2011 Lost Revenues
Table 4-b. 2012 Lost Revenues

Table 4-c. 2013 Lost Revenues
Table 4-d. 2014 Lost Revenues

Table 4-a. 2011 Lost Revenues Work Form	n	Ne	t Energy					Net Energ	gy Savings Per	sistence (kWh						Net Deman			Net Peak Do	mand Saving	ıs Persisten	ice (kW)					Rate All	ocations for LRA	MVΔ				
Program	Results Status		ngs (kWh) 2011	2012	2013		2014	2015	2016	2017		3 20	019	2020	Monthly Multiplier	Savings (k)	2012	2013		15 2016			2019 2020	Residential	GS<50 kW	General Service	General Service	9	Unmetered Scattered	Sentinel	Street	Total	-
Consumer Program Appliance Retirement	Verified		12.750	312,750	312,750		12,244							2		42	42							kWh 100.00%	kWh	50 to 999 kW	1,000 to 4,999 k	kW	Load kWh	Lighting kW	Lighting kW	100%	
Adjustment to 2011 savings	True-up		0	0	0		0	0	0	0	0		0	0		0	0	0	0 0	0 0	0	0	0 0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
Appliance Exchange Adjustment to 2011 savings	Verified True-up		3,328	3,328 0	3,328		2,101	0	0	0	0		0	0		0	0	0	0 0	·		0			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
HVAC Incentives Adjustment to 2011 savings	Verified True-up		61,567 134,078	861,567 -134,078	861,567 -134,07		61,567 134,078	861,567 -134,078	861,567 -134,078		7 861,5 8 -134,			861,567 -134,078		-71	450 -71	-71	450 45 -71 -7	50 450 '1 -71	450 -71	450 -71	450 450 -71 -71	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
Conservation Instant Coupon Booklet Adjustment to 2011 savings	Verified True-up	1	71,748 2,476	171,748 2,476	171,748 2,476		71,748 2,476	158,144 2,476	143,283 2,263	112,05	1 111,3 1,38	46 139 6 1,	9,811 386	54,375 491		11 0	11	0	11 1	0 9	8		9 5	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
Bi-Annual Retailer Event Adjustment to 2011 savings	Verified True-up		63,995 19,614	263,995 19,614	263,995 19,614		19,614	241,272 19,614					0,140 621	67,432 2,122		15 1	15 1	15	15 1	4 13 I 1	10	10	13 6 1 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
Retailer Co-op Adjustment to 2011 savings	Verified True-up		0	0	0		0	0	0	0	0		0	0		0	0	0	0 0	0 0	0	0	0 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
Residential Demand Response Adjustment to 2011 savings	Verified True-up		0	0	0		0	0	0	0	0		0	0		124							0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
Residential Demand Response (IHD) Adjustment to 2011 savings	Verified True-up		0	0	0		0	0	0	0	0		0	0		0	0	0				0 0	0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	Laura van Total will n
Residential New Construction Adjustment to 2011 savings	Verified True-up		0 0	0	0		0	0	0	0	0		0	0		0	0	0	0 (0 0	0	0	0 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	as the modernergy (RE Non-RES (settlement
Business Program Retrofit - Business	Verified		49,202	549,202	549,202		49,202	549,202	549,202					401,596	12	110							74 74		58.13%	51.46%	0.00%	5.72%				115%	
djustment to 2011 savings Direct Install Lighting	True-up Verified		78,995	1,002,941 778,995	766.800		002,941	1,002,941	1,002,941				6,085	201,320	12	135							30 30 86 86	_	8.00% 100.00%	40.00%	37.00%	0.00%	0.00%	0.00%	0.00%	100%	Laura va Adjustmer not add to
djustment to 2011 savings uilding Commissioning	True-up Verified		92,924	92,924	92,924		85,525	85,525	85,525	14,97				14,970	12	40	40		38 3	8 38	6	6	6 6		100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	of LRAM s
justment to 2011 savings	True-up		0	0	0		0	0	0	0	0		0	0	3	0	0	0	0 0	0	0		0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
djustment to 2011 savings	True-up		0	0	0		0	0	0	0	0		0	0	12	0	0	0	0 0	0 0	0	0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
nergy Audit djustment to 2011 savings	Verified True-up		0	0	0		0	0	0	0	0		0	0	12 12	0	0	0	0 0	0 0	0	0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	Laura
nall Commercial Demand Response ljustment to 2011 savings	Verified True-up		0	0	0		0	0	0	0	0		0	0		0	0	0	0 0	0 0	0		0 0	0.00%	58.13% 58.13%	51.46% 51.46%	0.00% 0.00%	5.72% 5.72%	0.00%	0.00%	0.00%	115%	Total was the energy
mall Commercial Demand Response (IHD)	Verified		0	0	0		0	0	0	0	0		0	0		0	0	0	0 (0 0	0.00%	0.00%	0.00%	0.000/	0.00%	0.00%	0.00%	0.00%	0%	Non-RE settlem
djustment to 2011 savings emand Response 3 - Business	True-up Verified		11,993	0	0		0	0	0	0	0		0	0		307	0	0					0 0		58.13%	51.46%	0.00%	5.72%	0.00%	0.00%	0.00%	115%	Laura va
ljustment to 2011 savings	True-up		0	0	0		0	0	0	0	0		0	0		0							0 0	0.00%	58.13%	51.46%	0.00%	5.72%	0.00%	0.00%	0.00%		Total will as the mi energy (F Non-RES
rocess & System Upgrades djustment to 2011 savings	Verified True-up		0	0	0		0	0	0	0	0		0	0	12	0	0	0					0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	settleme
onitoring & Targeting djustment to 2011 savings	Verified True-up		0	0	0		0	0	0	0	0		0	0	12 12	0		0					0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
nergy Manager djustment to 2011 savings	Verified True-up		0	0	0		0	0	0	0	0		0	0	12 12	0	0	0		0 0		0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
etrofit - Industrial djustment to 2011 savings	Verified True-up		704,027	3,704,027 0	3,704,02	27 3,	704,027	3,704,027 0	3,704,027	3,704,0	27 3,704,	027 1,73	8,512 0	1,738,512 0	12 12	596 0							310 310 0 0		0.00%	20.00% 20.00%	5.00% 5.00%	75.00% 75.00%	0.00%	0.00%	0.00%	100%	
emand Response 3 - Industrial djustment to 2011 savings	Verified True-up		0	0	0		0	0	0	0	0		0	0		0	0	0	0 (0 0	0	0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
Home Assistance Program Home Assistance Program Adjustment to 2011 savings	Verified		0	0	0		0	0	0	0	0		0	0		0		0							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
Aboriginal Program			v	U	0		U	U	U	0	0		U	U		U	U						0 0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
Home Assistance Program Adjustment to 2011 savings	Verified True-up		0	0	0		0	0	0	0	0		0	0		0	0	0	0 (0 0	0	0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
irect Install Lighting	Verified		0	0	0		0	0	0	0	0		0	0	0	0	0	0	0 (0	0	0	0 0									0%	J

Table 4-b. 2012 Lost Revenues Work Form	1	Net Energy				Net Energy							Net Demand																
Note: LDC to make note of key assumptions inclu																													
2011 Savings Persisting in 2012 2011 Savings Persisting in 2013 2011 Savings Persisting in 2014 2011 Savings Persisting in 2014 2011 Savings Persisting in 2016 2011 Savings Persisting in 2017 2011 Savings Persisting in 2018 2011 Savings Persisting in 2018 2011 Savings Persisting in 2019 2011 Savings Persisting in 2020																					1,501,402 1,501,402 1,499,668 1,370,954 1,107,306 1,013,739 1,012,434 1,088,447 851,909	1,271,382 1,259,187 1,100,117 1,100,117 1,100,117 627,835 571,033 480,590 480,590	5,348 5,348 5,348 5,348 5,348 5,313 4,917 3,937 3,937	12,246 12,246 12,246 12,246 12,246 12,213 11,847 11,608 11,608	8,908 8,908 8,908 8,908 8,908 8,908 8,908 6,313 6,313	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	
Distribution Rate in 2011 Lost Revenue in 2011 from 2011 programs Forecast Lost Revenues in 2011 LRAMVA in 2011																					\$0.00000 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00	\$0.0 \$0.0 \$0.0
Actual CDM Savings in 2011 Forecast CDM Savings in 2011		15,738,407	15,726,413	15,714,219	15,553,415	15,424,701	15,161,054	14,543,751	13,853,027	11,757,852	11,521,314		3,642	3,210	3,205 3,15	51 3,134	3,103	2,891 2	2,806 2,473	2,462	1,501,402 0	1,278,353 0	5,346 0	12,244	8,908 0	0	0	0	
Adjustment to 2011 savings	True-up	0	0	0	0	0	0	0	0	0	0	12	0	0	0 0	0	0	0	0 0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Time of Use Savings Adjustment to 2011 savings LDC Pilots	Verified True-up	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0	0 0	0 0	0	0 0	0	0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	09
Program Enabled Savings Adjustment to 2011 savings	Verified True-up	0 449,226	0	0 119		0 0 119 119				0 0 119 119	119	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0'									
LDC Custom Programs Adjustment to 2011 savings Other	Verified True-up	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0		0		0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	09
Multifamily Energy Efficiency Rebates Adjustment to 2011 savings	Verified [True-up	0	0	0	0	0	0	0	0	0	0	0	0		0 0				0 0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	09
Toronto Comprehensive Adjustment to 2011 savings	Verified [True-up	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0		0 0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	09
High Performance New Construction Adjustment to 2011 savings	Verified True-up	317,091 -100,859	317,091 -100,859	317,091 -100,859	317,091 -100,859	317,091 -100,859	317,091 -100,859	317,091 -100,859	317,091 -100,859	317,091 -100,859	317,091 -100,859	12 12	62 -1		62 62 -1 -1		62		62 62 -1 -1		0.00%	0.00%	15.00% 100.00%	65.00% 0.00%	20.00%	0.00%	0.00%	0.00%	10
Pre-2011 Programs completed in 2011 Electricity Retrofit Incentive Program Adjustment to 2011 savings	Verified [True-up	7,431,466 0	7,431,466 0	7,431,466 0	7,431,466	7,431,466 0	7,431,466 0	7,431,466	7,431,466 0	7,431,466 0	7,431,466	12 12	1,385 0		1,385 1,38 0 0		1,385	1,385 1	1,385 1,388 0 0	1,385	0.00%	0.00%	15.00% 100.00%	65.00% 0.00%	20.00%	0.00%	0.00%	0.00%	10
								· ·	-					0	0 0				- 1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

1 Savings Persisting in 2020 e: LDC to make note of key assumptions includ	led above																			851,909	480,590	3,937	11,608	6,313				
4-b. 2012 Lost Revenues Work Form	n .	Return to top											Net Deman															
	Results	Net Energy Savings (kW	n)			Net Energ	y Savings Persi	stence (kWh)				Monthly	Savings (k))	No	Peak Demand	Savings Persi	stence (kW)					Rate Allo	cations for LRA	MVA			
Program	Status	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Multiplie	2012	2013	2014 20	5 2016	2017 201	8 2019	2020 2021	Residential	G3<30 KW		1,000 to 4,999 kW		Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total
sumer Program liance Retirement ustment to 2012 savings	Verified True-up	167,643 0	167,643	167,64	67,643	103,947	0	0	0	0	0		23	23 0	23 2	14 0	0 0	0	0 0 0	kWh 100.00% 100.00%	kWh 0.00%	kW 0.00%	kW 0.00%	kW 0.00%	kWh 0.00%	kW 0.00%	kW 0.00%	100%
liance Exchange ustment to 2012 savings	Verified True-up	5,639 0	5,639	5,639	5,621	0	0	0	0	0	0		3	3 0	3 3	0	0 0	0	0 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
C Incentives stment to 2012 savings	Verified True-up	449,783 14,803	449,783 14,803		149,783 14,803	449,783 14,803	449,783 14,803	449,783 14,803	449,783 14,803	449,783 14,803	3 449,78 14,803		253 7	253 7	253 25 7 7	3 253 7	253 25 7 7	3 253 7	253 253 7 7	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
servation Instant Coupon Booklet streent to 2012 savings	Verified True-up	12,560	12,560	12,56	12,560	12,372 0	12,372	5,826 0	5,794	5,794	5,794 0		0	0	2 2	0	2 2	0	2 2 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Annual Retailer Event ustment to 2012 savings	Verified True-up	240,587 0	240,587	240,58	0	216,272 0	175,860 0	119,955	119,705	119,705	60,801		13		13 1	12	10 8 0 0	8 0	8 5 0 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
tailer Co-op justment to 2012 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0						0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
sidential Demand Response justment to 2012 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0		0 0	0	0 0	0	0 0 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
sidential Demand Response (IHD) justment to 2012 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0	0 0	0	0 0	0	0 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
sidential New Construction justment to 2012 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0		0			0 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
siness Program trofit - Business justment to 2012 savings	Verified True-up	5,028,199 283,829	5,006,770 283,829								8 3,288,69 2 239,26		1,055						737 629 27 26		15% 0.00%	60%	2.50% 68.00%	25.00%	0.00%	0.00%	0.00%	103%
act Install Lighting ustment to 2012 savings	Verified True-up	553,506 0	553,506	·							5 215,93		156	156	154 14	5 145	62 62	. 62	62 62 0 0		100% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
ling Commissioning stment to 2012 savings	Verified True-up	0	0	0	0	0	0	0	0 0	0 0	0	3 3	0	0 0	0 0	0 0	0 0	0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
v Construction ustment to 2012 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0 0	0 0	0 0	0 0	0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
ergy Audit ustment to 2012 savings	Verified True-up	402,820 91,756	402,820 91,756		102,820 91,756	0	0	0	0	0	0	12	83 19	83 19	83 8 19 1	0	0 0	0	0 0	0.00%	15% 0.00%	60% 32.00%	2.50% 68.00%	25.00% 0.00%	0.00%	0.00%	0.00%	103%
nall Commercial Demand Response justment to 2012 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0						0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
all Commercial Demand Response (IHD)	Verified	0	0	0	0	0	0	0	0	0	0		0			0		0	0 0									0%
justment to 2012 savings mand Response 3 - Business	True-up Verified	15,535	0	0	 -	0	0	0	0	0	0		1,069			0	0 0		0 0			0.00%			0.00%	0.00%	0.00%	103%
justment to 2012 savings	True-up	0	0	0	0	0	0	0	0	0	0		0	0	0 (0	0 0	0	0 0	0.00%	0.00%	32.00%	68.00%	0.00%	0.00%	0.00%	0.00%	
ustment to 2012 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12	0	0	0 0	0	0 0	0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
nitoring & Targeting ustment to 2012 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12	0	0	0 (0	0 0	0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
gy Manager stment to 2012 savings	Verified True-up	0	0	0	0	0	0	0	0	0 0	0	12	0	0 0	0 0	0	0 0	0	0 0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
ofit - Industrial stment to 2012 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12	0			0			0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
nand Response 3 - Industrial ustment to 2012 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0	0 0	0	0 0	0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
ne Assistance Program ne Assistance Program istment to 2012 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0 0	0 0	0	0 0	0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
original Program	Verified						0	0	1 0	1 0	0		0	0	0 (0	0 0	0	0 0	1								0%

2 of 5

Direct Install Lighting Adjustment to 2012 savings	Verified True-up	0 0	0	0 0	0 0	0	0	0	0 0	0	0 0 0	0 0 0	0 0	0 0	0	0.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
2011 Programs completed in 2011 tricity Retrofit Incentive Program ustment to 2012 savings	Verified True-up	0 0	0	0 0	0 0	0	0 0	0	0 12 0 12		0 0	0 0 0				0.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
Performance New Construction struction Verified True-up	983 983	983 0	983	983 983 0 0	983 0	983	983	983 12 0 12	1 0	1 1 0 0	1 1	1 1		1			100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	4	
onto Comprehensive ustment to 2012 savings	Verified True-up	0 0	0	0 0	0 0	0	0	0	0 0 0 0	0	0 0 0	0 0 0			0	0.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	1
tifamily Energy Efficiency Rebates ustment to 2012 savings	Verified True-up	0 0	0	0	0 0	0	0	0	0 0	0	0 0	0 0 0	0 0 0	0 0	0	0.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
C Custom Programs ustment to 2012 savings	Verified True-up	0 0	0	0	0 0	0	0 0	0	0 0	0	0 0 0	0 0 0			0	0.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
her ogram Enabled Savings ljustment to 2012 savings	Verified True-up	1,188,362 1,188,362 994,407 994,407	1,188,362 994.407	1,188,362 994 407	1,188,362 1,188, 994,407 994,4		1,188,362 994.407		1,188,362 0 994,407 0	2,304 2,639	2,304 2,304 2,639 2,639			228 228 2,639 2,639		0.00%	1.00%	50.00%	50.00%	100.00%	0.00%	0.00%	0.00%	100%	
me of Use Savings djustment to 2012 savings	Verified True-up	0 0	0	0	0 0	0	0	0	0 0		0 0		0 0	0 0	0		1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
DC Pilots djustment to 2012 savings	Verified True-up	0 0	0 0	0 0	0 0	0	0 0	0	0 12 0 12			0 0	0 0	0 0	0		1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
ctual CDM Savings in 2012 precast CDM Savings in 2012		9,450,412 9,413,447	9,308,065	8,684,254	8,095,858 7,354,	35 7,241,778	7,241,497	7,169,403	6,458,830	7,665	6,590 6,558						70,489	8,424	806	3,414	0	0	0		-
distribution Rate in 2012 ost Revenue in 2012 from 2011 programs			'														.00000	\$0.00000 \$0.00	\$0.00000 \$0.00	\$0.00000 \$0.00	\$0.00000 \$0.00	\$0.00000 \$0.00	\$0.00000 \$0.00	\$0.00	
ost Revenue in 2012 from 2012 programs otal Lost Revenues in 2012 orecast Lost Revenues in 2012																\$0.00	60.00 60.00 60.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	
RAMVA in 2012 012 Savings Persisting in 2013																	64,944	8,374	799	3,394	0	0	0	\$0.00	
2012 Savings Persisting in 2014 2012 Savings Persisting in 2015 2012 Savings Persisting in 2016																90,998 1, 97,177 1,	140,851 116,674 56,251	8,164 6,879 6,210	789 721 543	3,307 2,774 2,526	0 0 0	0 0 0	0 0 0		
2012 Savings Persisting in 2017 2012 Savings Persisting in 2018 2012 Savings Persisting in 2019																90,366 8 90,085 8	21,802 14,491 14,491	5,554 5,496 5,496	481 477 477	2,259 2,235 2,235	0	0	0		
012 Savings Persisting in 2020 lote: LDC to make note of key assumptions include																90,085 8	05,859	5,421	441	2,211	0	0	0		1
able 4-c. 2013 Lost Revenues Work Form		Net Energy Savings (kWh)			Net Energy Savings	ersistence (kWh)				Net Demand Savings (kW)		Net Peak Demand S	avings Persister	nce (kW)					Rate Alloca	ations for LRAM	/A				1
Program	Results Status	2013 2014	2015	2016	2017 201	2019	2020	2021	2022 Month Multipl	nly	2014 2015	2016 2017	2018 2019	2020 2021	2022 R	sidential GS	<50 kW Gei	eral Service G to 999 kW 1,	eneral Service 100 to 4,999 kW		Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total	l
onsumer Program opliance Retirement	Verified	88,261 88,261	88,261	87,954	50,406 0	0	0	0	0	14	14 14	14 7		0 0		00.00%	kWh	kW	kW	kW	kWh	kW	kW	100%	
djustment to 2013 savings	True-up Verified	0 0	19,950	19,950	0 0	0	0	0	0	11	0 0				0	00.00%	.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
djustment to 2013 savings VAC Incentives	True-up Verified	0 0 503,633 503,633		503,633	0 0 503,633 503,6				503,633	287	287 287	0 0	287 287	287 287	287	00.00%	.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
djustment to 2013 savings	True-up Verified	27,299 27,299 69,239 69,239		56,399		9 56,399	56,352	40,978		5	15 15 5 4	4 4	4 4	4 3	3	00.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
djustment to 2013 savings -Annual Retailer Event djustment to 2013 savings	True-up Verified True-up	212 212 154,331 154,331 0 0	201 145,032 0		174 174 113,298 113,2	98 113,298			95,165 0	11		8 8	8 8	8 7	7	00.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
djustment to 2013 savings letailer Co-op djustment to 2013 savings	Verified True-up	0 0	0	0 0	0 0	0 0	0	0 0	0	0	0 0	0 0	0 0	0 0	0	00.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
esidential Demand Response djustment to 2013 savings	Verified True-up	0 0	0	0 0	0 0	0	0 0	0 0	0	0		0 0 0			0	00.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
Residential Demand Response (IHD) Adjustment to 2013 savings	Verified True-up	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0	0		0 0 0				00.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	1
Residential New Construction	Verified True-up	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0	0	0 0 0	0 0 0				00.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
Business Program Retrofit - Business	Verified	6,406,519 6,402,307	6,402,307	6,402,307	6,274,014 6,232,					939	938 938	938 897	889 889	889 866	812			12.92%						34%	Laura v
djustment to 2013 savings virect Install Lighting	True-up Verified	1,402,288 1,398,498 361,892 361,892	1,398,498 354,527	1,398,498	1,344,575 1,083, 199,248 199,2	15 1,083,215 18 199,248	1,076,030	1,050,951	973,172 12 199,248 12	282	282 282 105 103	282 266 99 57	204 204 57 57	204 199 57 57	184 57	0.00%	100%	21.00%	0.00%	79.00%	0.00%	0.00%	0.00%	100%	as the menergy (
djustment to 2013 savings	True-up Verified	0 0	0	0	0 0	0	0	0	0 12	0	0 0	0 0	0 0	0 0	0	0.00% 10	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	settleme
		0 0		0	0 0	0	0	0	0 3	0	0 0	0 0	0 0	0 0	0			0.00%		0.00%	0.00%	0.00%	0.00%	34%	Laura Total v
djustment to 2013 savings ew Construction	True-up Verified	0 0	0	0	0 0	0	0	0	0 12						2	0.00%		21.00%	0.00%	79.00%	0.00%	0.00%	0.00%	34%	as the energy Non-R settler
djustment to 2013 savings ew Construction djustment to 2013 savings nergy Audit	Verified True-up Verified	0 0 0 0 2,845 2,845 48,451 48,451	2,845 48,451	2,845 48,451	0 0 2,845 2,84 0 0		0 2,845	0 2,845	2,845 12 0 12	9	9 9	2 2	0 0	0 0					0.00%					,	
djustment to 2013 savings lew Construction djustment to 2013 savings nergy Audit djustment to 2013 savings mall Commercial Demand Response	Verified True-up Verified True-up Verified	0 0 0 0 2,845 2,845	2,845 48,451	2,845 48,451			0 2,845	0 2,845 0 0	2,845 12	9	9 9 1,041 1,041	9 0 1,041 0	0 0 0	0 0	0	0.00%	.00%	21.00%	0.00%	79.00%	0.00%	0.00%	0.00%	0%	Laura van
djustment to 2013 savings lew Construction djustment to 2013 savings inergy Audit djustment to 2013 savings imal Commercial Demand Response djustment to 2013 savings	Verified True-up Verified True-up	0 0 0 0 2,845 2,845 48,451 48,451	2,845 48,451	2,845 48,451	2,845 2,84 0 0		0 2,845 0 0 0	0 2,845 0 0 0	2,845 12 0 12	9	9 9 1,041 1,041	2 2 9 0 1,041 0	0 0 0 0	0 0 0 0	0	0.00%					0.00%	0.00%	0.00%		Total will n as the mod energy (RE Non-RES (
djustment to 2013 savings lew Construction djustment to 2013 savings nergy Audit djustment to 2013 savings mall Commercial Demand Response djustment to 2013 savings mall Commercial Demand Response (IHD) djustment to 2013 savings	Verified True-up Verified True-up Verified True-up Verified True-up	0 0 2,845 2,845 48,451 48,451 5,721,015 5,721,015 0 0 0 0 0 0 0 0	2,845 48,451 5,721,015 0 0	2,845 48,451 5,721,015 0 0	2,845 2,84 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0	0 0	2,845 12 0 12 0 12 0 0	9 1,041 0 0 0	2 2 9 9 1,041 1,041 0 0 0 0	2 2 9 0 1,041 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0	0.00%	.00% 1.00%	21.00% 0.00% 0.00%	0.00%	79.00% 0.00% 0.00%				0%	Total will n as the mod energy (RE Non-RES (I settlement
jiustment to 2013 savings we Construction jiustment to 2013 savings lengy Audit jiustment to 2013 savings nall Commercial Demand Response jiustment to 2013 savings nall Commercial Demand Response (IHD) jiustment to 2013 savings mand Response 3 - Business jiustment to 2013 savings	Verified True-up Verified True-up Verified True-up	0 0 2,845 2,845 48,451 48,451 5,721,015 5,721,015 0 0 0 0 0 0	2,845 48,451 5,721,015 0 0	2,845 48,451 5,721,015 0 0	2,845 2,84 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0	0 0	2,845 12 0 12 0 12 0 0	9 1,041 0 0	2 2 9 9 1,041 1,041 0 0 0 0	2 2 9 0 1,041 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0	D.00% (.00% 1.00%	21.00% 0.00% 0.00%	0.00%	79.00% 0.00%	0.00%	0.00%	0.00%		Total will n as the mod energy (RE Non-RES ((settlement Laura var Total will n as the mod energy (RE
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djustment to 2013 savings lew Construction djustment to 2013 savings nergy Audit djustment to 2013 savings mall Commercial Demand Response djustment to 2013 savings mall Commercial Demand Response (IHD) djustment to 2013 savings lemand Response 3 - Business djustment to 2013 savings djustment to 2013 savings djustment to 2013 savings djustment to 2013 savings loinitoring & Targeting djustment to 2013 savings nergy Manager djustment to 2013 savings lettoff - Industrial djustment to 2013 savings lettoff - Industrial djustment to 2013 savings lettoff - Industrial djustment to 2013 savings lettoff - Industrial djustment to 2013 savings lettoff - Industrial djustment to 2013 savings lettoff - Industrial djustment to 2013 savings lettoff - Industrial djustment to 2013 savings lettoff - Industrial djustment to 2013 savings lettoff - Industrial djustment to 2013 savings	Verified True-up Verified True-up Verified True-up Verified True-up Verified True-up Verified True-up Verified True-up Verified True-up Verified True-up Verified True-up Verified Verified Verified Verified	0 0 0 2,845 2.845 48,451 48,451 5,721,015 5,721,015 0 0 0 0 0 0 14,560 0	2,845 48,451 5,721,015 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2,845 48,451 5,721,015 0 0 0 0 0 0 0 0 0	2,845	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2,845 12 0 12 0 12 0 0 12 0 0 0 0 0 0 0 0 12 0 12	2 9 1,041 0 0 0 0 1,064 0 0 0 0 0 0	2 2 9 9 9 1,041 1,041 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 1 9 0 1 1,041 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00% (0.0	.00% .00% .00% .00%	21.00% 0.00% 0.00% 12.92% 21.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	78.00% 0.00% 0.00% 18.41% 78.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00%	0% 34% 0% 0%	Total will na sthe mod energy (RE Non-RES (C settlement Total will na sthe mod energy (RE Non-RES (C settlement Total will na sthe mod energy (RE Non-RES (C settlement The Res Non-RES (C settlement The Res Non-RES (C settlement Res Non-RES (C settlemen
Idjustment to 2013 savings Idew Construction Idjustment to 2013 savings Idjustment ID 2013 savings	Verified True-up Verified True-up Verified True-up Verified True-up Verified True-up Verified True-up Verified True-up Verified True-up Verified True-up Verified True-up Verified Verified Verified Verified Verified Verified Verified Verified	0 0 0 2,845 2,845 48,451 48,451 5,721,015 5,721,015 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2,845 48,451 5,721,015 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2,845 48,451 5,721,015 0 0 0 0 0 0 0 0 0	2,845	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2,845 12 0 12 0 12 0 0 12 0 0 0 0 0 0 0 0 12 0 12	2 9 1,041 0 0 0 0 1,064 0 0 0 0 0 0 0 0 0 0	2 2 9 9 1,041 1,041 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 1 9 0 1 1,041 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00% (0.	.00% .00% .00% .00% .00%	21.00% 0.00% 0.00% 12.92% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 8.09%	79.00% 0.00% 16.41% 79.00% 0.00% 0.00% 0.00% 59.69%	0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00%	0% 34% 0% 0% 0%	Laura van Total will no as the mode energy (RES Non-RES (G Settlement of

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Adjustment to 2013 savings	True-up	0	0	0	0	0	0	0	0	0	0		0	0	0 0	0	0 0	0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
 Direct Install Lighting Adjustment to 2013 savings 	Verified True-up	0	0	0	0	0	0	0	0	0	0	0	0		0 0		0 0		0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Pre-2011 Programs completed in 2011 Electricity Retrofit Incentive Program Adjustment to 2013 savings	Verified True-up	0	0 0	0	0	0	0	0	0	0	0	12	0		0 0 0		0 0		0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
7 High Performance New Construction Adjustment to 2013 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12	0		0 0		0 0		0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
8 Toronto Comprehensive Adjustment to 2013 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	0	0		0 0			0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
9 Multifamily Energy Efficiency Rebates Adjustment to 2013 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	0	0		0 0				0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
DC Custom Programs Adjustment to 2013 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	0	0		0 0 0		0 0		0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Other Program Enabled Savings	Verified	96,000	96,000	96,000	96,000	96,000	96,000	96,000	96,000	96,000	96,000	0	16	16	16 16	16	16 16	16	16 16	1				100.00%				100%
Adjustment to 2013 savings	True-up	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0		0 0	0	0 0	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	
Time of Use Savings Adjustment to 2013 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	0	0		0 0		0 0		0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
B LDC Pilots Adjustment to 2013 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12	0		0 0		0 0		0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Actual CDM Savings in 2013		15,008,402	14,904,401	14,885,058	14,816,565	8,667,890	8,314,356	8,314,356	8,304,772	8,174,065	7,791,807		7,377	2,735 2	732 2,724	1,559 1	,482 1,48	2 1,482	1,452 1,382	862,925	681,558	4,808	0	14,428	0	0	0	
Forecast CDM Savings in 2013																				0	0	0	0	0	0	0	0	
Distribution Rate in 2013 Lost Revenue in 2013 from 2011 programs Lost Revenue in 2013 from 2012 programs Lost Revenue in 2013 from 2013 programs Total Lost Revenues in 2013 Forecast Lost Revenues in 2013 LRAMVA in 2013																				\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
2013 Savings Persisting in 2014 2013 Savings Persisting in 2015 2013 Savings Persisting in 2016 2013 Savings Persisting in 2017 2013 Savings Persisting in 2017 2013 Savings Persisting in 2018 2013 Savings Persisting in 2019 2013 Savings Persisting in 2020																				862,925 850,947 808,706 751,209 700,803 700,803 700,622	680,630 673,265 657,481 509,253 507,189 507,189 507,079	4,803 4,803 4,803 2,065 1,897 1,897	2 2 0 0 0	14,414 14,414 14,414 4,305 3,702 3,702 3,702	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	

		Net Energy Savings (kWh)				Net Ener	gy Savings Persis	tence (kWh)					Net Demand Savings (kW)		Net	Peak Demand	Savings Per	sistence (kW)					Rate Alloc	ations for LRAN	IVA		
Program	Results Status	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Monthly Multiplier	2014		2016 2017	2018	2019 2	020 2021	2022 2023	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
ssumer Program liance Retirement sstment to 2014 savings	Verified True-up	86,630 0	86,630	86,630	86,317	50,246 0	0	0	0 0	0	0		13	13	13 13 0 0	7 0	0 0	0 0 0	0 0 0	kWh 100% 100.00%	kWh 0.00%	kW 0.00%	kW 0.00%	kW 0.00%	kWh	kW 0.00%	kW 0.00%
ice Exchange nent to 2014 savings	Verified True-up	24,752	24,752	24,752	24,752	0 0	0 0	0	0 0	0 0	0 0		14	14 0	14 14 0 0				0 0 0	100% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Incentives nent to 2014 savings	Verified True-up	650,307 0	650,307	650,307	650,307	650,307 0	650,307 0	650,307	650,307	650,307	650,307		351 0		351 351 0 0				351 351 0 0	100% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
rvation Instant Coupon Booklet ment to 2014 savings	Verified True-up	271,895 0	253,777 0	244,737	244,737 0	244,737 0	244,737 0	244,737 0	232,234	232,234	199,390] [20 0			19		19 18 0 0	18 16 0 0	100% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
nual Retailer Event tment to 2014 savings	Verified True-up	1,104,068	957,767 0	881,523 0	881,523 0	881,523 0	881,523 0	881,523 0	881,142 0	881,142 0	819,511 0		72 0					58 58 0 0		100% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
er Co-op tment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0	0 0	0		0 0	0 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
ential Demand Response ment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	[251 0	0	0 0	0	0		0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
ential Demand Response (IHD) ment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0	0 0	0	0	0 0	0 0	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
ential New Construction ment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0	0 0	0		0 0 0	0 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
ness Program it - Business trnent to 2014 savings	Verified True-up	7,229,048 0	7,209,230	7,209,230	7,144,777	7,125,966 0	7,125,966 0	7,031,098	7,031,098	6,374,780	5,814,475 0	12 12	1,107 0	1,101		1,079		059 1,059 0 0		0.00%	20.00% 20.00%	32.94% 32.94%	48.24% 48.24%	18.82% 18.82%	0.00%	0.00%	0.00%
Install Lighting treent to 2014 savings	Verified True-up	384,907 0	375,483 0	360,659 0	245,984 0	245,984 0	245,984 0	245,984 0	245,984 0	245,984 0	245,984 0	12 12	108 0	106	102 66 0 0	66		66 66 0 0	66 66 0 0	0.00%	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
g Commissioning ment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	3	0					0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Construction tment to 2014 savings	Verified True-up	20,616	20,616	20,616	20,616	20,616	20,616	20,616	20,616	20,616	20,616	12 12	0				0	2 2 0	2 2 0	0.00%	20.00% 20.00%	32.94% 32.94%	48.24% 48.24%	18.82% 18.82%	0.00%	0.00%	0.00%
y Audit tment to 2014 savings	Verified True-up	261,094	261,094	261,094	261,094	0	0	0	0	0	0	12	53	0	53 53 0	0	0	0 0 0	0 0	0.00%	20.00% 20.00%	32.94% 32.94%	48.24% 48.24%	18.82% 18.82%	0.00%	0.00%	0.00%
I Commercial Demand Response stment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0	0 0	0	0	0 0	0 0	0.00%	20.00% 20.00%	32.94% 32.94%	48.24% 48.24%	18.82% 18.82%	0.00%	0.00%	0.00%
Commercial Demand Response (IHD) tment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0	0 0	0		0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
nd Response 3 - Business tment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		1,204 0	0 0	0 0	0	0	0 0 0	0 0 0	0.00%	20.00% 20.00%	32.94% 32.94%	48.24% 48.24%	18.82% 18.82%	0.00%	0.00%	0.00%
strial Program ess & System Upgrades tment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0 0	0	0	12	0	0	0 0	-	-	0 0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
oring & Targeting trnent to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0		0 0				0 0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
y Manager tment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0	0 0	0		0 0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
i <mark>it - Industrial</mark> tment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0 0	0 0	0	0	0 0 0	0 0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
nd Response 3 - Industrial tment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		3,686 0	0	0 0		0	0 0 0	0 0	0.00%	0.00%	10.00% 10.00%	70.00% 70.00%	20.00% 20.00%	0.00%	0.00%	0.00%
e Assistance Program e Assistance Program stment to 2014 savings	Verified True-up	20,414	19,538	16,800	15,724	14,959	14,959	14,959	14,959	3,497	3,375		1 0					1 1	1 0 0	100% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

OPA program classification.

Laura van Eykcere:
Total will not add to 100% as the model row mixes energy (RSS, GS-SS) land Non-RES (GS-SS) LSN and Non-RES (GS-SS) LSN and Stellment calculations.
The demand savings allocation for the 2014 GS-SDKW Business and industrial is based on a % allocation of the Business programs, excluding DR3, driven by Tab 10 Guelph, CDM Prgs driven by Tab 10 Guelph, CDM Prgs allocation process was focused on customer rate class assignment, not OPA program classification.

4 Home Assistance Program Adjustment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0	0		0 0			0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
25 Direct Install Lighting	Verified	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-		0			0.000	0.000/		0.000/	0.000/	0.000/	0.000/	0%
Adjustment to 2014 savings Pre-2011 Programs completed in 2011	True-up	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0) 0	0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
26 Electricity Retrofit Incentive Program Adjustment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0	0	0	0 0			0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
27 High Performance New Construction Adjustment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0 0) (0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
28 Toronto Comprehensive	Verified	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0	0 0									0%
Adjustment to 2014 savings 29 Multifamily Energy Efficiency Rebates	True-up Verified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0 0) 0		0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	00/
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0 0			0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
30 LDC Custom Programs Adjustment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	0	0	0	0				0 0	0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Other 31 Program Enabled Savings	Verified	0	1 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0) (0	0 0									0%
Adjustment to 2014 savings	True-up	0	0	0	0	0	0	0	0	0	0	0	0	0	0					0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0,0
32 Time of Use Savings Adjustment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	0	688 0	0	0				0 0	0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
LDC Pilots Adjustment to 2014 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0 0		0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Actual CDM Savings in 2014	тас ар	10,053,733	9,859,194	9,756,350	9,575,833	9,234,339	9,184,093	9,089,225	9,076,340	8,408,560	7,753,658	12	7,575		1,715	1,660	1,583 1,5	76 1,5			3 2,158,067		4,594	6,726	2,625	0	0.0070	0	
Forecast CDM Savings in 2014		.,,	.,,	., ,	.,,	., . ,	., . ,	.,,	.,,.	, , , , , ,	, ,		, ,			,	, ,		,,,,,		0	0	0	0	0	0	0	0	
Distribution Rate in 2014 Lost Revenue in 2014 from 2011 programs Lost Revenue in 2014 from 2012 programs Lost Revenue in 2014 from 2013 programs Lost Revenue in 2014 from 2014 programs Total Lost Revenues in 2014 Forecast Lost Revenues in 2014 LRAMVA in 2014																					\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$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 Savings Persisting in 2015 2014 Savings Persisting in 2016 2014 Savings Persisting in 2017 2014 Savings Persisting in 2018 2014 Savings Persisting in 2019 2014 Savings Persisting in 2020																					1,992,772 1,904,751 1,903,361 1,841,773 1,791,527 1,791,527	1,873,671 1,858,847 1,731,282 1,675,301 1,675,301 1,656,327	4,571 4,571 4,498 4,272 4,272 4,194	6,694 6,694 6,587 6,255 6,255 6,142	2,612 2,612 2,570 2,441 2,441 2,397	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

Return to ton



LRAMVA Work Form: 2015 - 2020 Lost Revenues Work Form

Version 3.0 (2019)

Legend

User Inputs (Green)

Auto Populated Cells (White)

Instructions (Grey)

Instructions

1. LDCs can apply for disposition of LRAMVA amounts at any time, but at a minimum, must do so as part of a cost of service (COS) application. The following LRAMVA work forms apply to LDCs that need to recover lost revenues from the 2015-2020 period. Please input or manually link the savings, adjustments and program savings persistence data in these tables from the LDC's Persistence Reports provided by the IESO (in Tab 7). As noted earlier, persistence data is available upon request from the IESO. Please also be advised that the same rate classes (of up to 14) are carried over from the Summary Tab 1.

2. Please ensure that the IESO verified savings adjustments apply back to the program year it relates to. For example, savings adjustments related to 2016 programs that were reported by the IESO in 2017 should be included in the 2016 program savings table. In order for persisting savings to be claimed in future years, past year's initiative level savings results need to be filled out in the tables below. If the IESO adjustments were made available to the LDC after the LRAMVA was approved, the persistence of those savings adjustments in the future can be claimed as approved LRAMVA amounts are considered to be final.

3. The work forms below include the monthly multipliers for most programs in order to claim demand savings from energy efficiency programs, consistent with the monthly multipliers indicated in the OEB's updated LRAM policy related to peak demand savings in EB-2016-0182. Demand Response (DR3) savings should generally not be included with the LRAMVA calculation, unless suported by empirical evidence. LDCs are requested to confirm the monthly multipliers for all programs each year as placeholder values are provided. If a different monthly multiplier is used, please include rationale in Tab 1-a and highlight the new multiplier that has been used.

4. LDC are requested to input the applicable rate class allocation percentages to allocate actual savings to the rate classes. The generic template currently includes the same allocation percentage for program savings and its savings adjustments. If a different allocation is proposed for savings adjustments, LDCs must provide supporting rationale in Tab 1-a and highlight the change.

5. The persistence of future savings is expected to be included in the distributor's load forecast after re-basing. LDCs are requested to delete the applicable savings persistence rows (auto-calculated after the LRAMVA totals for the year) if future year's persistence of savings is already captured in the updated load forecast. Please also provide assumptions about the years in which persistence is captured in the load forecast calculation in the "Notes" section below each table.

Tables

Table 5-a. 2015 Lost Revenues Table 5-b. 2016 Lost Revenues Table 5-c. 2017 Lost Revenues Table 5-d. 2018 Lost Revenues Table 5-e. 2019 Lost Revenues Table 5-f. 2020 Lost Revenues

Table 5-a. 2015 Lost Revenues Work Form

Table 5-a. 2015 Lost Revenues Work Form																												
		Net Energy Savings (kWh)				Net Energy S	Savings Persist	ence (kWh)					Net Demand Savings (kW)			Net Peak D	emand Savings P	ersistence (kW)					Rate A	Allocations for LRAM	IVA			
Program	Results Status	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Monthly Multiplier	2015	2016	2017	2018 2	019 2020	2021 2022	2023 2024	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
Legacy Framework Residential Program						ļ!	Į.			Į.										kWh	kWh	kW	kW	kW	kWh	kW	kW	
1 Coupon Initiative Adjustment to 2015 savings	Verified True-up		220,890 5,303	220,890 5,303	220,890 5,303	220,890 5,303	220,890 5,303	220,890 5,303	220,841 5,303	220,841 5,303	220,841 5,303		14 0	14	14 0		14 14 0 0	14 14 0 0	14 14 0 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Bi-Annual Retailer Event Initiative Adjustment to 2015 savings	Verified True-up	327,422 0	316,563	316,563	316,563 0	316,563 0	316,563 0	316,563 0	316,552 0	316,552 0	316,552 0]	24 0	24				24 24 0 0	24 24 0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Appliance Retirement Initiative Adjustment to 2015 savings	Verified True-up	46,864 0	46,864 0	46,864 0	46,656 0	26,046 0	0	0	0	0	0		7 0	7 0	7		4 0 0 0	0 0	0 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
4 HVAC Incentives Initiative Adjustment to 2015 savings	Verified True-up			515,733 12,605	515,733 12,605	515,733 12,605	515,733 12,605	515,733 12,605	515,733 12,605	515,733 12,605	515,733 12,605		273 6	273 6	273 6		273 273 6 6	273 273 6 6	273 273 6 6	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
5 Residential New Construction and Major Adjustment to 2015 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0	0		0 0	0 0	0 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Commercial & Institutional Program Energy Audit Initiative	Verified	142,541	142.541	142.541	142,541	0	0	0	0	0 1	0	1 12	30	30		'		'	0 0		0.00%	100.00%	0.00%					100%
Adjustment to 2015 savings	True-up			9,592	9,592				152,133			12	2			2			32 32	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Efficiency: Equipment Replacement Incentive Initiative Adjustment to 2015 savings	Verified True-up			13,976,235	13,976,235	13,976,235	13,976,235	13,571,889 1,613,526	13,571,889 1,613,526	13,180,751 1,937,618	11,739,120	12	6,992 177	6,992		6,978 6,	,978 6,978 191 191	6,895 6,895 274 274	6,849 6,580 299 208	0.00%	9.00% 9.00%	11.00% 11.00%	10.00% 10.00%	76.00% 76.00%	0.00%	0.00%	0.00%	106%
Direct Install Lighting and Water Heating	Verified			57.881	57.881	57.881	57,881	57.881	57.881	57.881	57.881	12	23	22			13 13	13 13	13 13	0.00%	100.00%	0.00%	0.00%	70.00%	0.00%	0.0076	0.0076	100%
Initiative Adjustment to 2015 savings	True-up		-29,998	9,477	10,539	10,539	10,539	10,539	10,539	10,539	10,539	12	-8	-7	2	3	3 3	3 3	3 3	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
New Construction and Major Renovation Initiative	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0 0	0 0	0 0			100.00%						100%
Adjustment to 2015 savings	True-up	92,866	92,866	92,866	92,866	92,866	92,866	92,866	92,866	92,866	92,866	12	21	21	21	21 :	21 21	21 21	21 21	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
10 Existing Building Commissioning Incentive Initiative Adjustment to 2015 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	3	0	0	0		0 0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Industrial Program Process and Systems Upgrades Initiatives -												I																
Project Incentive Initiative Adjustment to 2015 savings	Verified True-up	42,147,864 4:	2,147,864 4	12,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	42,147,864	12 12	4,811 0	4,811	4,811		,811 4,811 0 0	4,811 4,811 0 0	4,811 4,811 0 0	0.00%	0.00%	0.00%	0.00%	100.00% 100.00%	0.00%	0.00%	0.00%	100%
Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	-	0 0	0 0	0 0									0%
Adjustment to 2015 savings	True-up Verified	17,239	17,239	17,239	17,239	17,239	17,239	17,239	17,239	17,239	17,239	12	5	5	5	5	5 5	5 5	5 5	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
13 Energy Manager Initiatives - Adjustment to 2015 savings	True-up	0	0	0	0	0	0	0	0	0	0	12	0	0			0 0	0 0		0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	10070
Low Income Program Low Income Initiative Adjustment to 2015 savings	Verified True-up	526,869 0	414,753	393,471	372,886 0	372,886 0	372,886 0	372,886 0	372,886 0	205,499	204,696	12 12	43	37	36 0		35 35 0 0	35 35 0 0	26 25 0 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Other Aboriginal Conservation Program Adjustment to 2015 savings	Verified True-up	0 0	0 0	0 0	0 0	0 0	0	0	0	0	0	0	0	0 0	0		0 0 0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
16 Program Enabled Savings Adjustment to 2015 savings	Verified True-up	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0	0	0	0 0		0			0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Conservation Fund Pilots Conservation Fund Pilot - EnerNOC Adjustment to 2015 savings	Verified True-up	0	0	0	0	0	0 0	0	0	0	0	12	0	0	0		0 0 0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
18 Loblaws Pilot	Verified	0	0	0	0	0	0	0	0	0	0	12	0					'	0 0	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0%

Laura van Eykeren: Total will not add to 101 as the model row mixes energy (RES, GS<50) and Non-RES (GS>50) LRAM

Adjustment to 2015 savings	True-up	0 0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
19 Conservation Fund Pilot - SEG Adjustment to 2015 savings	Verified True-up	0 0 0	0	0	0	0	0	0	0	0	12 12	0	0	0	0 0		0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
20 Social Benchmarking Pliot Adjustment to 2015 savings	Verified True-up	0 0	0	0	0	0	0	0	0	0	12 12	0	0	0	0 0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Conservation First Framework Residential Province-Wide Programs 21 Save on Energy Coupon Program	Verified	734,476 728,461	728,461	728,461	728,461	728,461	728,461	727,998	727,998	727,998		47	46	46	46 46	46	46 46	46 46	100.00%								100%
Adjustment to 2015 savings	True-up	84,221 82,963	82,963	82,963	82,963	82,963	82,963	82,911	82,911	82,911		5	5		5 5		5 5	5 5		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
22 Save on Energy Heating and Cooling Program Adjustment to 2015 savings	Verified True-up	240,796 240,796 35,577 35,577	240,796 35,577	240,796 35,577	240,796 35,577	240,796 35,577	240,796 35,577	240,796 35,577	240,796 35,577	240,796 35,577		124	124		124 124 18 18		124 124 18 18	124 124 18 18	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
23 Save on Energy New Construction Program Adjustment to 2015 savings	Verified True-up	0 0 30,500 30,500	0 30,500	0 30,500	0 30,500	0 30,500	0 30,500	0 30,500	0 30,500	0 30,500		0	0	0	0 0	0	0 0	0 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
24 Save on Energy Home Assistance Program Adjustment to 2015 savings	Verified True-up	0 0	0	0 0	0 0	0 0	0 0	0 0	0 0	0		0	0		0 0		0 0 0	0 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Non-Residential Province-Wide Programs Save on Energy Audit Funding Program Adjustment to 2015 savings	Verified True-up	0 0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	12	0	0 0	-	0 0		0 0	0 0	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 2015 savings	Verified True-up	0 0 1,787,124 1,787,124	0 1,787,124	0 1,787,124	0 1,787,124	0 1,787,124	0 1,787,123	0 1,787,123	0 1,786,970	0 1,428,176	12 12	0 398	0 398		0 0		0 0 397 397	0 0 397 310		9.00% 9.00%	11.00% 11.00%	10.00% 10.00%	76.00% 76.00%	0.00%	0.00%	0.00%	106%
Save on Energy Small Business Lighting Program	Verified	0 0	0	0	0	0	0	0	0	0	12	0	0		0 0		0 0	0 0									0%
Adjustment to 2015 savings Save on Energy High Performance New Construction Program	True-up Verified	0 0	0	0	0	0	0 0	0 0	0 0	0 0	12	0	0		0 0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Adjustment to 2015 savings	True-up	125,896 125,896		125,896	125,896	125,896	125,896	125,896	125,896	125,896	12	14	14		14 14		14 14		0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
29 Save on Energy Existing Building Commissioning Program Adjustment to 2015 savings	Verified True-up	0 0	0	0	0	0	0	0	0	0	3	0	0	0	0 0	0	0 0	0 0	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 2015 savings	Verified True-up	0 0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0	0 0	0 0	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 2015 savings	Verified True-up	0 0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0	0 0	0 0	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 2015 savings	Verified True-up	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	12	0	0 0	-	0 0		0 0	0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Local & Regional Programs 33 Business Refrigeration Local Program	Verified	0 0	0	0	0	0	0	0	0	0	0	0	0		0 0		0 0	0 0		0.0004	0.0004	0.000	0.000/	0.000	0.000	0.0004	0%
Adjustment to 2015 savings 34 First Nation Conservation Local Program Adjustment to 2015 savings	True-up Verified True-up	0 0	0	0	0	0	0 0	0	0 0	0 0	0	0		0	0 0 0 0 0 0	0		0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
35 Social Benchmarking Local Program Adjustment to 2015 savings	Verified True-up	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0		0	0	0	0 0	0	0 0			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Pilot Programs Enersource Hydro Mississauga Inc																											
36 Performance-Based Conservation Pilot Program - Conservation Fund Adjustment to 2015 savings	Verified True-up	0 0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
EnWin Utilities Ltd Building Optimization Pilot Adjustment to 2015 savings	Verified True-up	0 0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0	0 0	0 0	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 2015 savings	Verified True-up	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	12	0	0 0	-	0 0 0	0 0	0 0	0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Horizon Utilities Corporation - ECM Furnace Motor Pilot	Verified		0	0	0	0	0	0	0	0	12	0						0 0									0%
Adjustment to 2015 savings Horizon Utilities Corporation - Social Benchmarking Pilot	True-up Verified	0 0	0	0	0	0	0 0	0 0	0 0	0	12	0	0		0 0		0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Adjustment to 2015 savings Hydro Ottawa Limited - Conservation Voltage	True-up	0 0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
41 Regulation (CVR) Leveraging AMI Data Pilot Adjustment to 2015 savings	Verified True-up	0 0	0	0	0	0	0	0	0	0	12	0	0		0 0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot	Verified	0 0	0	0	0	0	0	0	0	0		0	0		0 0		0 0	0 0	0.00%	0.000/	0.00%	0.00%	0.00%	0.00%	0.00%		0%
Adjustment to 2015 savings Kitchener-Wilmot Hydro Inc Pilot - DCKV Adjustment to 2015 savings	True-up Verified True-up	0 0	0	0	0	0	0	0	0 0	0	12	0	0 0	0	0 0	0	0 0	0 0 0 0 0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Niagara-on-the-Lake Hydro Inc Direct Install	up													-			, ,	- 1 0		3.0070	0070			2.3070	2.0078		0%
44 Energy Efficiency Measures for the	Verified	0 0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0	0 0	0 0									
Agricultural Sector Adjustment to 2015 savings		0 0	0	0	0	0	0	0 0	0 0	0	12	0	0		0 0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Agricultural Sector	Verified											0 0 0 0		0		0			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Agricultural Sector Adjustment to 2015 savings Oakville Hydro Electricity Distribution Inc Direct Install - Hydronic	Verified True-up Verified	0 0	0	0	0	0	0	0	0	0	12	0 0 0 0	0	0 0 0	0 0	0 0	0 0	0 0									0%
Agricultural Sector Adjustment to 2015 savings 45 Direct Install - Hydroellectricity Distribution Inc Direct Install - Hydroellectricity Distribution Inc Oakville Hydro Electricity Distribution Inc Direct Install - RTU Controls	Verified True-up Verified True-up Verified	0 0 0 0 0 0 0	0 0	0 0	0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	12 12 12	0 0 0 0 0	0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Agricultural Sector Adjustment to 2015 savings Coakville Hydro Electricity Distribution Inc Direct Install - Hydronic Adjustment to 2015 savings Cakville Hydro Electricity Distribution Inc Direct Install - RTU Controls Adjustment to 2015 savings Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings) Adjustment to 2015 savings Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings) Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)	Verified True-up Verified True-up Verified True-up Verified True-up Verified Verified Verified	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 12 12 12 12 12 12 12	0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Agricultural Sector Adjustment to 2015 savings Cakville Hydro Electricity Distribution Inc Direct Install - Hydronic Adjustment to 2015 savings Cakville Hydro Electricity Distribution Inc Direct Install - RTU Controls Adjustment to 2015 savings Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings) Adjustment to 2015 savings Toronto Hydro-Electric System Limited - Toronto Hydro-Electric System Limited - Toronto Hydro-Electric System Limited -	Verified True-up Verified True-up Verified True-up Verified True-up	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 12 12 12 12 12 12	0		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%

Laura van Eykeren: Total will not add to 100% as the model row mixes energy (RES, GS<50) and Non-RES (GS>50) LRAM settlement calculations.

Actual CDM Savings in 2015	62,357,375	62,224,965	62,203,682	62,185,891	62,165,281	62,139,235	62,139,233	62,138,658	61,904,072	59,702,675	13,032	13,025 13	,024 13,	,024 13,0	21 13,017	13,016	13,016 1	12,986 12,	,538 2,7	83,418	1,594,713	10,852	9,080	126,743	0	0	0	
orecast CDM Savings in 2015																				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	
ost Revenue in 2015 from 2011 programs																			\$	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ost Revenue in 2015 from 2012 programs																			\$	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ost Revenue in 2015 from 2013 programs																			\$	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ost Revenue in 2015 from 2014 programs																			\$	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ost Revenue in 2015 from 2015 programs																			\$	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Lost Revenues in 2015																			\$	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Forecast Lost Revenues in 2015																			\$	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RAMVA in 2015																												\$0.00
2015 Savings Persisting in 2016																			2,6	51,008	1,594,713	10,852	9,080	126,743	0	0	0	
2015 Savings Persisting in 2017																				29,726	1,594,712	10,852	9,080	126,743	0	0	0	
2015 Savings Persisting in 2018																				08,933	1,595,949	10,852	9,080	126,743	0	0	0	
2015 Savings Persisting in 2019																			2,5	88,323	1,595,949	10,852	9,080	126,743	0	0	0	
2015 Savings Persisting in 2020																			2.5	62.277	1.595.949	10.852	9.080	126,743	0	0	0	

ble 5-b. 2016 Lost Revenues Work Form		Return to top																										
	Results	Net Energy Savings (kWh)				Net Energ	y Savings Pers	sistence (kWh)				Monthly	Net Demand Savings (kW)	N	et Peak Dema	nd Savings Pe	rsistence (kW)					Rate A	llocations for LRA	IVA			
Program	Status	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Multiplier	2016	2017	2018 20	19 2020	2021	2022 2023	2024 2025	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	g
gacy Framework sidential Program																				kWh	kWh	kW	kW	kW	kWh	kW	kW	4
upon Initiative justment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Annual Retailer Event Initiative justment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
pliance Retirement Initiative justment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
AC Incentives Initiative ustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
sidential New Construction and Major novation Initiative justment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
mmercial & Institutional Program ergy Audit Initiative ustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
ciency: Equipment Replacement Incentive iative ustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
ect Install Lighting and Water Heating iative ustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
w Construction and Major Renovation iative ustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
isting Building Commissioning Incentive iative justment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
ustrial Program cess and Systems Upgrades Initiatives - ject Incentive Initiative ustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
ocess and Systems Upgrades Initiatives - nitoring and Targeting Initiative justment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
ocess and Systems Upgrades Initiatives - ergy Manager Initiative ustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
v Income Program v Income Initiative ustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
er original Conservation Program ustrnent to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
gram Enabled Savings ustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
servation Fund Pilots servation Fund Pilot - EnerNOC ustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
ne Depot Home Appliance Market Uplift servation Fund Pilot Program ustment to 2016 savings	Verified True-Up	708	708	708	708	708	708	708	708	708	708		0	0	0	0	0	0 0	0 0			100.00% 100.00%						
plaws Pilot ustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
nservation Fund Pilot - SEG ustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
ial Benchmarking Pliot ustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0	0	0	0	0 0	0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
servation First Framework idential Province-Wide Programs e on Energy Coupon Program stment to 2016 savings	Verified True-up	3,738,398 409,378			3,738,398 409,378				3,737,857 409,342				243 26	243 26		3 243 6 26	243 26	243 243 26 26	243 242 26 26	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
re on Energy Heating and Cooling gram ustment to 2016 savings	Verified True-up	1,333,152 9,758	1,333,152 9,758	1,333,152 9,758	1,333,152 9,758	1,333,152 9,758				1,333,152 9,758	1,333,152 9,758		392	392	392 3	392	392	392 392 3 3	392 392	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
ve on Energy New Construction Program	Verified	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0 0	0 0	100.00%								

24 Save on Energy Home Assistance Program Adjustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0	0	0 0	0 0	0	0 0 0	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Non-Residential Province-Wide Programs 25 Save on Energy Audit Funding Program	Verified		0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0 0	0	0 0 0	100.00%	3.0070	0.0070	0.0070	0.00 %	0.0070	0.0070	3.0078	0%
Adjustment to 2016 savings 26 Save on Energy Retrofit Program	True-up Verified	3,301,403 3,2										12	0 558	541			41 534		534 533 533	0.00%	0.00% 8.10%	0.00% 31.20%	0.00%	0.00% 35.80%	0.00%	0.00%	0.00%	97%
Adjustment to 2016 savings Save on Energy Small Business Lighting Program	True-up Verified		005,494 4,	,008,552	4,008,552	4,008,552	4,006,064	4,006,064	4,006,064	4,003,417	4,003,417	12	587	603	0	0 0	04 603		0 0 0	0.00%	8.10%	31.20%	21.70%	35.80%	0.00%	0.00%	0.00%	0%
Adjustment to 2016 savings	True-up	0										12	0							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 Adjustment to 2016 savings	Verified True-up		.,,	98,558 244,106	98,558 244,106	98,558 244,106	98,558 244,106	98,558 244,106	98,558 244,106	98,558 244,106	98,558 244,106	12 12	20 46	20 46	20 46	20 2 46 4	20 20 46		20 20 20 46 46 46	0.00%	0.00%	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
29 Save on Energy Existing Building Commissioning Program Adjustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0 0	0 0	0	0 0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Save on Energy Process & Systems Upgrades Program Adjustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0 0	0	0 0 0	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 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0 0	0	0 0 0	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 2016 savings	Verified True-up	0 835	0 835	0 835	0 835	0 835	0 835	0 835	0 835	0 835	0 835	12 12	0	0	0	0 0	0 0	0	0 0 0	0.00%	0.00%	100.00% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Local & Regional Programs 33 Business Refrigeration Local Program Adjustment to 2006 positions	Verified True-up	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0 0	0	0 0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Adjustment to 2016 savings 34 First Nation Conservation Local Program Adjustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0 0	0 0	0	0 0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
35 Social Benchmarking Local Program Adjustment to 2016 savings	Verified True-up	0 0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0 0	0 0	0	0 0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Pilot Programs Enersource Hydro Mississauga Inc Performance-Based Conservation Pilot	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0 0	0	0 0 0									0%
Program - Conservation Fund Adjustment to 2016 savings EnWin Utilities Ltd Building Optimization	True-up	0										12	0							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
37 EnWin Utilities Ltd Building Optimization Pilot Adjustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0 0	0	0 0 0	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 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0	0	0 0	0 0	0	0 0 0	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 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0	0	0 0	0 0	0	0 0 0	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 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0 0	0	0 0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Hydro Ottawa Limited - Conservation Voltage 41 Regulation (CVR) Leveraging AMI Data Pilot	Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0 0	0	0 0 0									0%
Adjustment to 2016 savings	True-up	0										12	0							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 Adjustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0	0	0	0 0	0 0	0	0 0 0	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 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0	0	0 0	0 0	0	0 0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Niagara-on-the-Lake Hydro Inc Direct Install Energy Efficiency Measures for the Agricultural Sector Adjustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0 0	0	0 0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Oakville Hydro Electricity Distribution Inc Direct Install - Hydronic Adjustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0 0	0	0 0 0	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	0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0 0	0	0 0 0	0.00%	0.0076	0.0076	0.0076	0.007/6	0.007/0	0.0070	0.0076	0%
Adjustment to 2016 savings	True-up Verified	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0 0	0	0 0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
47 Direct Install - Hydronic (Pilot Savings) Adjustment to 2016 savings Toronto Hydro-Electric System Limited -	True-up	0						-		-		12	0							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Direct Install - RTU Controls (Pilot Savings) Adjustment to 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0 0	0 0	0	0 0 0	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 2016 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0	12 12	0	0	0	0 0	0 0	0	0 0 0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Actual CDM Savings in 2016 Forecast CDM Savings in 2016		13,063,623 13,0	,063,623 13	3,066,681	13,066,681	13,066,681	13,011,710	13,011,710	13,011,133	13,004,292	12,988,859		1,875	1,874	1,875	1,875 1,8	375 1,867	1,867	1,867 1,866 1,865	5,490,686 0	585,527 0	5,079 0	2,982 0	4,919 0	0	0	0	
Distribution Rate in 2016 Lost Revenue in 2016 from 2011 programs Lost Revenue in 2016 from 2012 programs Lost Revenue in 2016 from 2013 programs Lost Revenue in 2016 from 2013 programs Lost Revenue in 2016 from 2014 programs Lost Revenue in 2016 from 2015 programs Lost Revenue in 2016 from 2016 programs Total Lost Revenues in 2016 Forecast Lost Revenues in 2016 LRAMVA in 2016																				\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$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 Savings Persisting in 2017 2016 Savings Persisting in 2018 2016 Savings Persisting in 2019 2016 Savings Persisting in 2020 Note: LDC to make note of key assumptions include	d above																			5,490,686 5,490,686 5,490,686 5,490,686	585,527 585,775 585,775 585,775	5,075 5,079 5,079 5,079	2,979 2,982 2,982 2,982	4,915 4,919 4,919 4,919	0 0 0 0	0 0 0 0	0 0 0 0	

Table 5-c. 2017 Lost Revenues Work Form		Return to top Net Energy Savings (kWI)			Net Energ	y Savings Persi	stence (kWh)					Net Demand Savings (kW)			let Peak Dem	and Savings Pe	rsistence (k	v)				Rate /	Allocations for LR	AMVA			
Program	Results Status	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Monthly Multiplier	2017	2018	2019 2	020 2021	2022	2023 20	24 2025 202	26 Reside	ential GS<5	General	General Service	Large Use	Unmetered	Sentinel	Street Lighting	Total
Legacy Framework		2017	2010	2013	2020	2021	2022	2023	2024	2023	2020		2017	2010	2013	2021	2022	20.	2023 201	kW		999 kW		kW	Scattered Load	Lighting kW	kW	Total
Residential Program Coupon Initiative	Verified																											0%
Adjustment to 2017 savings Bi-Annual Retailer Event Initiative Adjustment to 2017 savings	True-up Verified True-up																			0.00			0.00%	0.00%	0.00%	0.00%	0.00%	0%
ppliance Retirement Initiative	Verified True-up																			0.00			0.00%	0.00%	0.00%	0.00%	0.00%	0%
VAC Incentives Initiative djustment to 2017 savings	Verified True-up																			0.00	% 0.0	0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
esidential New Construction and Major enovation Initiative gjustment to 2017 savings	Verified True-up																			0.00	% 0.0	0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
ommercial & Institutional Program nergy Audit Initiative djustment to 2017 savings	Verified True-up											12 12								0.00	9% 0.0	0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
ficiency: Equipment Replacement Incentive	Verified											12								0.00		000	0.000/	0.000/	0.000/	0.000/	0.000/	0%
justment to 2017 savings rect Install Lighting and Water Heating tiative	True-up Verified											12								0.00	9% 0.0	0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
djustment to 2017 savings	True-up											12								0.00	9% 0.0	0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
ew Construction and Major Renovation itiative djustment to 2017 savings	Verified True-up											12								0.00	% 0.0	0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
disting Building Commissioning Incentive titative djustment to 2017 savings	Verified True-up											3								0.00	9% 0.0	0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
dustrial Program ocess and Systems Upgrades Initiatives - oject Incentive Initiative djustment to 2017 savings	Verified True-up											12								0.00	% 0.0	0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
rocess and Systems Upgrades Initiatives - lonitoring and Targeting Initiative djustment to 2017 savings	Verified True-up											12								0.00			0.00%	0.00%	0.00%	0.00%	0.00%	0%
ocess and Systems Upgrades Initiatives - lergy Manager Initiative ljustment to 2017 savings	Verified True-up											12								0.00			0.00%	0.00%	0.00%	0.00%	0.00%	0%
w Income Program v Income Initiative ustment to 2017 savings	Verified True-up											12 12								0.00	% 0.0	0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
ner original Conservation Program ustment to 2017 savings	Verified True-up											0								0.00	9% 0.0	0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
ogram Enabled Savings justment to 2017 savings	Verified True-up											0								0.00			0.00%	0.00%	0.00%	0.00%	0.00%	0%
nservation Fund Pilots nservation Fund Pilot - EnerNOC justment to 2017 savings	Verified True-up											12								0.00	1% 0.0	0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
blaws Pilot djustment to 2017 savings	Verified True-up											12 12								0.00			0.00%	0.00%	0.00%	0.00%	0.00%	0%
inservation Fund Pilot - SEG justment to 2017 savings	Verified True-up											12 12								0.00	% 0.0	0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
ocial Benchmarking Pliot djustment to 2017 savings	Verified True-up											12 12								0.00	% 0.0	0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
onservation First Framework esidential Province-Wide Programs ave on Energy Coupon Program	Verified	4,196,635	3,380,561	3,380,561	3,380,561	3,380,561	3,380,561	3,380,561	3,380,527	3,380,527	3,372,527		299	244	244	244 244	244	244 24	4 244 24	4 100.0	10%							Total
djustment to 2017 savings ave on Energy Instant Discount Program	True-up Verified	3,777,549					2,735,657	2,735,657		2,735,604			259	189		89 189		189 18		9 100.0	0.0 0%		0.00%	0.00%	0.00%	0.00%	0.00%	100%
justment to 2017 savings we on Energy Heating and Cooling ogram	True-up Verified	956,804	956,804	956,804	956,804	956,804	956,804	956,804	956,804	956,804	956,804		274	274	274 2	274 274	274	274 27	4 274 27	100.0			0.00%	0.00%	0.00%	0.00%	0.00%	100%
ogram djustment to 2017 savings ave on Energy New Construction Program	True-up								0	0										98.0		0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	40001
justment to 2017 savings	Verified True-up	0	0	0	0	0	0	0	0	0	0		0							100.0	0.0	0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
e on Energy Home Assistance Program ustment to 2017 savings	Verified True-up	145,140	145,140	145,140	145,140	145,140	145,140	145,140	145,140	145,140	145,140		24	24	24	24 24	24	24 2	1 24 24	100.0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Residential Province-Wide Programs on Energy Audit Funding Program strment to 2017 savings	Verified True-up	0										12 12	0							0.00	9% 0.0	0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
e on Energy Retrofit Program strnent to 2017 savings	Verified True-up	18,742,234	19,032,537	19,032,537	19,032,537	19,032,537	18,711,481	18,711,481	18,711,481	18,691,215	18,691,215	12 12	2,970	3,087	3,087 3,	087 3,087	3,030	3,030	30 3,030 3,0	0.00	3.0 1% 3.0	0% 43.00% 0% 43.00%		26.00% 26.00%	0.00%	0.00%	1.00% 1.00%	98%
e on Energy Small Business Lighting gram	Verified True-up	0										12	0							0.00	1% 0.0	0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
ve on Energy High Performance New instruction Program	Verified	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	72,721	12	16	16	16	16 16	16	16 1	3 16 16	3		100.00%						100%
ljustment to 2017 savings ave on Energy Existing Building ammissioning Program	True-up Verified	0										12	0							0.00	0.0	0% 100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
mmissioning Program justment to 2017 savings	True-up											3								0.00	0.0	0% 0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

The content of the																					_								
Part	30 Save on Energy Process & Systems Upgrades Program Adjustment to 2017 savings		0											0							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Part	Program		0										12	0							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Part Part	32 Save on Energy Energy Manager Program	Verified	6,141	6,141	6,141	6,141	6,141	6,141	6,141	6,141	6,141	6,141		0							_		100.00%						100%
Part Part	33 Business Refrigeration Local Program		0										0																0%
Part	34 First Nation Conservation Local Program	Verified	0	ļ						ļ			0																0%
Part	35 Social Benchmarking Local Program	Verified	0										0								100.00%								100%
Part	Pilot Programs Enersource Hydro Mississauga Inc												12								_								0%
Marche M	Adjustment to 2017 savings	True-up											12								0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Part Part																					0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Part													12 12								0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Part Part	Motor Pilot																				0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Part	Horizon Utilities Corporation - Social Benchmarking Pilot	Verified																			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0%
Part	Hydro Ottawa Limited - Conservation Voltage	Verified											12																0%
March 1997 Processor Section 1997 Processor 1997 Proce	Lhudro Ottouro Limited - Decidential Demand	True-up											12								0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Migrature 1 August 1 Augus 1 August 1 August 1 August 1 August 1 August 1 August 1 August 1	Response Wi-Fi Thermostat Pilot																				0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
6 Englight Story Manuscript from Public Publ																					0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Contact Angle Agricum 1971 Program Fig.	44 Energy Efficiency Measures for the Agricultural Sector																				0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Size States Frage Fraction (Symmetric Note) Againsteria 2017 savings There Size States Frage Frage Frage Againsteria 2017 savings There Size States Frage Frage Frage Againsteria 2017 savings There Size States Frage Frage Againsteria 2017 savings Ther	Direct Install - Hydronic																				0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Transfer Hote-Core Covers System Limited - Vertical	Oakville Hydro Electricity Distribution Inc Direct Install - RTU Controls	Verified											1																0%
Tronch place Search Servings Place S	Adjustment to 2017 savings																				0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
See Fee	Toronto Hudro Florido Conton Limited	True-up																			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
## Adjustment CD17 savings Tree-up	Direct Install - RTU Controls (Pilot Savings)																				0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Save on Energy Ferformance Program of Mull-Silee Customers Adjustment to 2017 Savings Whether the 2017 Savings	Large (Pilot Savings)																				0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
Agustment b 2017 Savings True-up Adustment b 2017 Savings True-up Adustment b 2017 Savings True-up Actual CDM Savings in 2017 Bajor Call Code Code Code Code Code Code Code Code	Save on Energy Energy Performance	Verified	577.329	577.329	577.329	577.329	577.329	439.357	439.357	439.357	205.945	0	12	0									100.00%						100%
Adjustment to 2017 Savings True-up 0.00% 0	Adjustment to 2017 Savings	True-up											12								_	0.00%		0.00%	0.00%	0.00%	0.00%	0.00%	
Forecast CDM Savings in 2017	52 Whole Home Pilot Program Adjustment to 2017 Savings		120,265	120,265	120,265	120,265	119,981	118,307	118,307	118,307	118,307	118,307		17	17 17	17	17 1	17 17	17	17 17		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Lost Revenue in 2017 from 2011 programs \$8,934.64 \$87,72.91 \$14,528.65 \$34,484.00 \$0.00			28,594,818	27,027,155	27,027,155	27,027,155	27,026,871	26,566,169	26,566,169	26,566,082	26,312,404	26,098,459		3,859	3,851 3,851	3,851	3,851 3,	794 3,794	3,794	3,794 3,794									
	Lost Revenue in 2017 from 2011 programs Lost Revenue in 2017 from 2012 programs Lost Revenue in 2017 from 2013 programs Lost Revenue in 2017 from 2014 programs Lost Revenue in 2017 from 2015 programs Lost Revenue in 2017 from 2015 programs Lost Revenue in 2017 from 2015 programs Lost Revenue in 2017 from 2017 programs Total Lost Revenue in 2017 Forecast Lost Revenues in 2017																				\$9,934.64 \$6,397.61 \$7,361.84 \$18,652.94 \$25,771.31 \$53,808.72 \$88,758.52 \$210,685.59	\$8,726.91 \$11,423.05 \$7,078.61 \$24,064.82 \$22,166.50 \$8,138.83 \$8,081.50 \$89,680.22	\$14,558.63 \$15,220.10 \$5,657.85 \$12,326.62 \$29,738.94 \$13,907.40 \$42,522.37 \$133,931.92	\$37,152.93 \$1,463.04 \$0.00 \$20,037.58 \$27,623.48 \$9,062.34 \$27,105.49 \$122,444.86	\$24,346.40 \$6,174.51 \$11,766.24 \$7,025.28 \$346,401.40 \$13,432.16 \$25,326.35 \$434,472.35	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$3,632.80 \$3,632.80	\$94,719.51 \$40,678.32 \$31,864.56 \$82,107.23 \$451,701.64 \$98,349.45 \$195,427.04 \$994,847.74 \$221,949.35 \$772,898.40
2017 Savings Persisting in 2018 2017 Savings Persisting in 2018 2017 Savings Persisting in 2019 2017 Savings Persisting in 2019 2017 Savings Persisting in 2019 2017 Savings Persisting in 2019 2017 Savings Persisting in 2019 2017 Savings Persisting in 2019 2017 Savings Persisting in 2019 2017 Savings Persisting in 2019 2017 Savings Persisting in 2019 2017 Savings Persisting in 2019 2017 Savings Persisting in 2019 2018 Savings Persisting in 2019 2019 Savings Persisting in 201	2017 Savings Persisting in 2019 2017 Savings Persisting in 2020																				7,199,026	590,112	16,120	9,261	9,631	0 0 0	0 0 0	370	

Note: LDC to make note of key assumptions included above

Table 5-d. 2018 Lost Revenues Work Form		Return to top																											
		Net Energy Savings (kWh)			Net Energy	Savings Persis	stence (kWh)					Net Demand Savings (kW			Net Peak I	Demand Sa	vings Pe	ersistence (kW)						Rate	e Allocations for LR	AMVA		
Program	Results Status	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Monthly Multiplier	2018	2019	2020	2021 2	2022 2	023	2024 2025	2026	2027	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
Legacy Framework				-,-																		kWh	kWh	kW	kW	kW	kWh	kW	kW
Actual CDM Savings in 2018		0											0									0	0	0	0	0	0	0	0
Forecast CDM Savings in 2018			T			1	T					T										0	0	0	0	0	0	0	0

Distribution Rate in 2018 Lost Revenue in 2018 from 2011 programs Lost Revenue in 2018 from 2012 programs Lost Revenue in 2018 from 2012 programs Lost Revenue in 2018 from 2014 programs Lost Revenue in 2018 from 2014 programs Lost Revenue in 2018 from 2015 programs Lost Revenue in 2018 from 2015 programs Lost Revenue in 2018 from 2016 programs Lost Revenue in 2018 from 2017 programs Lost Revenue in 2018 from 2017 programs Lost Revenue in 2018 from 2018 programs Lost Revenue in 2018 from 2018 Revenues in 2018 Forecast Lost Revenues in 2018	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
LRAMVA in 2018	40.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	40.00	\$0.00
2018 Savings Persisting in 2019 2018 Savings Persisting in 2020	0	0	0	0	0	0	0	0	
Note: LDC to make note of key assumptions included above									

Table 5-e. 2019 Lost Revenues Work Form Rate Allocations for LRAMVA Results Status Program 2025 2026 2020 2021 2022 2023 2025 2026 2027 2028 2019 2020 2021 2022 2023 2024 2027 Legacy Framework
Actual CDM Savings in 2019
Forecast CDM Savings in 2019 Distribution Rate in 2019
Lost Revenue in 2019 from 2011 programs
Lost Revenue in 2019 from 2012 programs
Lost Revenue in 2019 from 2013 programs
Lost Revenue in 2019 from 2014 programs
Lost Revenue in 2019 from 2014 programs
Lost Revenue in 2019 from 2015 programs
Lost Revenue in 2019 from 2016 programs
Lost Revenue in 2019 from 2017 programs
Lost Revenue in 2019 from 2019 programs
Lost Revenue in 2019 from 2019 programs
Total Lost Revenues in 2019
Forecast Lost Revenues in 2019
LRAMVA in 2019 Distribution Rate in 2019 \$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00000 \$0.00000 \$0.00

Table 5-f. 2020 Lost Revenues Work Form Net Energy Savings Persistence (kWh) Net Demand Savings (kW) Net Peak Demand Savings Persistence (kW) Rate Allocations for LRAMVA Program General Service 50 to 999 kW General Service 1,000 to 4,999 kW 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 GS<50 kW Legacy Framework
Actual CDM Savings in 2020
Forecast CDM Savings in 2020 Distribution Rate in 2020
Distribution Rate in 2020
Distribution Rate in 2020
Lost Revenue in 2020 from 2011 programs
Lost Revenue in 2020 from 2013 programs
Lost Revenue in 2020 from 2013 programs
Lost Revenue in 2020 from 2014 programs
Lost Revenue in 2020 from 2016 programs
Lost Revenue in 2020 from 2016 programs
Lost Revenue in 2020 from 2018 programs
Lost Revenue in 2020 from 2019 programs
Lost Revenue in 2020 from 2019 programs
Lost Revenue in 2020 from 2019 programs
Lost Revenue in 2020 from 2020 programs
Total Lost Revenues in 2020
LRAMVA in 2020 \$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00000 \$0.00

Note: LDC to make note of key assumptions included above

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2019 Savings Persisting in 2020

Note: LDC to make note of key assumptions included above

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LRAMVA Work Form: Carrying Charges by Rate Class

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

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 of recessed 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

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

Quarter	Approved Deferral & Variance Accounts
2011 Q1	1.47%
2011 Q2	1.47%
2011 Q3	1.47%
2011 Q4	1.47%
2012 Q1	1.47%
2012 Q2	1.47%
2012 Q3	1.47%
2012 Q4	1.47%
2013 Q1	1.47%
2013 Q2	1.47%
2013 Q3	1.47%
2013 Q4	1.47%
2014 Q1	1.47%
2014 Q2	1.47%
2014 Q3	1.47%
2014 Q4	1.47%
2015 Q1	1.47%
2015 Q2	1.10%
2015 Q3	1.10%
2015 Q4	1.10%
2016 Q1	1.10%
2016 Q2	1.10%
2016 Q3	1.10%
2016 Q4	1.10%
2017 Q1	1.10%
2017 Q2	1.10%
2017 Q3	1.10%
2017 Q4	1.50%
2018 Q1	1.50%
2018 Q2	1.89%
2018 Q3	1.89%
2018 Q4	1.89%
2019 Q1	
2019 Q2	
2019 Q3	
2019 Q4	
2020 Q1	
2020 Q2	
2020 Q3	
2020 Q4	

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	alculation of Ca	,				Go to Tab 1: Summary			Unmaterial	Combined	21							
Month	Period	Quarter	Monthly Rate		GS<50 kW		General Service 1,000 to 4,999 kW	Large Use	Unmetered Scattered Load	Sentinel Lighting	Street Lighting							Total
Jan-11 Feb-11 Mar-11	2011 2011 2011	Q1 Q1 Q1	0.12% 0.12% 0.12%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00
Apr-11 May-11 Jun-11	2011 2011 2011	Q2 Q2 Q2	0.12% 0.12% 0.12%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00
Jul-11 Aug-11 Sep-11	2011 2011 2011	Q3 Q3 Q3	0.12% 0.12% 0.12%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00
Oct-11 Nov-11	2011 2011	Q4 Q4	0.12% 0.12%	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00
Dec-11 Total for 2011 Amount Cleare		Q4	0.12%	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00		\$0.00 \$0.00				\$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.0 0	\$0.00
Jan-12 Feb-12	2011-2012 2011-2012	Q1 Q1	0.12% 0.12%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00
Mar-12 Apr-12 May-12	2011-2012 2011-2012 2011-2012	Q1 Q2 Q2	0.12% 0.12% 0.12%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00	\$0.00 \$0.00		\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00
Jun-12 Jul-12	2011-2012 2011-2012 2011-2012	Q2 Q3 Q3	0.12% 0.12% 0.12%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00		\$0.00	\$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00
Aug-12 Sep-12 Oct-12	2011-2012 2011-2012	Q3 Q4	0.12% 0.12%	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00
Nov-12 Dec-12 Total for 2012	2011-2012 2011-2012	Q4 Q4	0.12% 0.12%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	0 \$0.00
Amount Cleare Opening Balar Jan-13	nce for 2013 2011-2013	Q1	0.12%	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00		\$0.00 \$0.00	\$0.00 \$0.00	\$0.0 (
Feb-13 Mar-13 Apr-13	2011-2013 2011-2013 2011-2013	Q1 Q1 Q2	0.12% 0.12% 0.12%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00		\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00
May-13 Jun-13 Jul-13	2011-2013 2011-2013 2011-2013	Q2 Q2 Q3	0.12% 0.12% 0.12%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00	\$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00
Aug-13 Sep-13	2011-2013 2011-2013	Q3 Q3	0.12% 0.12%	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00
Oct-13 Nov-13 Dec-13	2011-2013 2011-2013 2011-2013	Q4 Q4 Q4	0.12% 0.12% 0.12%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$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 Cleare Opening Balar	d			\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00	\$0.00 \$0.00	\$0.00 \$0.00		\$0.00	\$0.00		\$0.00 \$0.00	\$0.00	\$0.0	
Jan-14 Feb-14 Mar-14	2011-2014 2011-2014 2011-2014	Q1 Q1 Q1	0.12% 0.12% 0.12%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00
Apr-14 May-14	2011-2014 2011-2014	Q2 Q2	0.12% 0.12%	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00
Jun-14 Jul-14 Aug-14	2011-2014 2011-2014 2011-2014	Q2 Q3 Q3	0.12% 0.12% 0.12%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00
Sep-14 Oct-14 Nov-14	2011-2014 2011-2014 2011-2014	Q3 Q4 Q4	0.12% 0.12% 0.12%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00			\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00
Dec-14 Total for 2014 Amount Cleare		Q4	0.12%	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.0 0	
	2011-2015 2011-2015	Q1 Q1	0.12% 0.12%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00				\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00
Mar-15 Apr-15	2011-2015 2011-2015	Q1 Q2	0.12% 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	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00
May-15 Jun-15 Jul-15	2011-2015 2011-2015 2011-2015	Q2 Q2 Q3	0.09% 0.09% 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 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00	\$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 Sep-15 Oct-15	2011-2015 2011-2015 2011-2015	Q3 Q3 Q4	0.09% 0.09% 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 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$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 Dec-15 Total for 2015	2011-2015 2011-2015	Q4 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 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.0 0	\$0.00
Amount Cleare Opening Balar Jan-16		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	\$0.00	\$0.00	\$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00
Feb-16 Mar-16	2011-2016 2011-2016	Q1 Q1 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 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00 \$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 May-16 Jun-16	2011-2016 2011-2016 2011-2016	Q2 Q2	0.09% 0.09% 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 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$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 Aug-16 Sep-16	2011-2016 2011-2016 2011-2016	Q3 Q3 Q3	0.09% 0.09% 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 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$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 Nov-16 Dec-16	2011-2016 2011-2016 2011-2016	Q4 Q4 Q4	0.09% 0.09% 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 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00		\$0.00	\$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 Cleare Opening Balar	d			\$0.00	\$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.0	
Jan-17 Feb-17 Mar-17	2011-2017 2011-2017 2011-2017	Q1 Q1 Q1	0.09% 0.09% 0.09%	\$0.00 \$12.83 \$25.65	\$0.00 \$5.65 \$11.29	\$0.00 \$8.37 \$16.75	\$0.00 \$8.99 \$17.99	\$0.00 \$24.75 \$49.50	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 -\$1.55 -\$3.09	\$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 \$59.04
Apr-17 May-17	2011-2017 2011-2017	Q2 Q2	0.09%	\$38.48 \$51.30	\$16.94 \$22.59	\$25.12 \$33.50	\$26.98 \$35.98	\$74.24 \$98.99	\$0.00 \$0.00	\$0.00 \$0.00	-\$4.64 -\$6.19	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$177.12 \$236.16
Jun-17 Jul-17 Aug-17	2011-2017 2011-2017 2011-2017	Q2 Q3 Q3	0.09% 0.09% 0.09%	\$64.13 \$76.95 \$89.78	\$28.23 \$33.88 \$39.53	\$41.87 \$50.24 \$58.62	\$44.97 \$53.97 \$62.96	\$123.74 \$148.49 \$173.23	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	-\$7.74 -\$9.28 -\$10.83	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$354.25 \$413.29
Sep-17 Oct-17 Nov-17	2011-2017 2011-2017 2011-2017	Q3 Q4 Q4	0.09% 0.13% 0.13%	\$102.61 \$157.41 \$174.90	\$45.17 \$69.30 \$77.00	\$66.99 \$102.77 \$114.19	\$71.95 \$110.38 \$122.65	\$197.98 \$303.72 \$337.47	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	-\$12.38 -\$18.99 -\$21.10			\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$724.59 \$805.10
Dec-17 Total for 2017 Amount Cleare		Q4	0.13%	\$192.39 \$986.42	\$84.70 \$434.29	\$125.61 \$644.03	\$134.91 \$691.74	\$371.21 \$1,903.31	\$0.00 \$0.00	\$0.00 \$0.00	-\$23.21 - \$119.01	\$0.00 \$0.00	\$0.00		\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.0 0	
Opening Balar Jan-18 Feb-18	2011-2018 2011-2018	Q1 Q1	0.13% 0.13%	\$986.42 \$209.88 \$209.88	\$434.29 \$92.40 \$92.40	\$644.03 \$137.03 \$137.03	\$691.74 \$147.18 \$147.18	\$1,903.31 \$404.96 \$404.96	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00		\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$966.12
Mar-18 Apr-18	2011-2018 2011-2018	Q1 Q2	0.13% 0.16%	\$209.88 \$264.44	\$92.40 \$116.43	\$137.03 \$172.65	\$147.18 \$185.44	\$404.96 \$510.25	\$0.00 \$0.00	\$0.00 \$0.00	-\$25.32 -\$31.90	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00	\$966.12 \$1,217.31
May-18 Jun-18 Jul-18	2011-2018 2011-2018 2011-2018	Q2 Q2 Q3	0.16% 0.16% 0.16%	\$264.44 \$264.44 \$264.44	\$116.43 \$116.43 \$116.43	\$172.65 \$172.65 \$172.65	\$185.44 \$185.44 \$185.44	\$510.25 \$510.25 \$510.25	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	-\$31.90 -\$31.90 -\$31.90	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$1,217.31 \$1,217.31
Aug-18 Sep-18 Oct-18	2011-2018 2011-2018 2011-2018	Q3 Q3 Q4	0.16% 0.16% 0.16%	\$264.44 \$264.44 \$264.44	\$116.43 \$116.43 \$116.43	\$172.65 \$172.65 \$172.65	\$185.44 \$185.44 \$185.44	\$510.25 \$510.25 \$510.25	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	-\$31.90 -\$31.90 -\$31.90	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$1,217.31
Nov-18 Dec-18 Total for 2018	2011-2018 2011-2018	Q4 Q4	0.16% 0.16%	\$264.44 \$264.44 \$3,009.63	\$116.43 \$116.43 \$1,325.05	\$172.65 \$172.65 \$1,964.97	\$185.44 \$185.44 \$2,110.54	\$510.25 \$510.25 \$5,807.13	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	-\$31.90			\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.0 0	\$1,217.31
Amount Cleare Opening Balar Jan-19		Q1	0.00%	\$3,009.63 \$0.00	\$1,325.05 \$0.00	\$1,964.97 \$0.00	\$2,110.54 \$0.00	\$5,807.13 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	-\$363.11 \$0.00	\$0.00	\$0.00	\$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	
Feb-19 Mar-19	2011-2019 2011-2019	Q1 Q1	0.00%	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00
Apr-19 May-19 Jun-19	2011-2019 2011-2019 2011-2019	Q2 Q2 Q2	0.00% 0.00% 0.00%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00
Jul-19 Aug-19 Sep-19	2011-2019 2011-2019 2011-2019	Q3 Q3 Q3	0.00% 0.00% 0.00%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00
Oct-19 Nov-19 Dec-19	2011-2019 2011-2019 2011-2019	Q4 Q4 Q4	0.00% 0.00% 0.00%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00	\$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00
Total for 2019 Amount Cleare Opening Balar	nd .			\$3,009.63 \$3,009.63	\$1,325.05 \$1,325.05	\$1,964.97 \$1,964.97	\$2,110.54 \$2,110.54	\$5,807.13	\$0.00 \$0.00	\$0.00	-\$363.11			\$0.00	\$0.00	\$0.00	\$0.0	\$13,854.20
Jan-20 Feb-20	2011-2020 2011-2020	Q1 Q1	0.00%	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00
Mar-20 Apr-20 May-20	2011-2020 2011-2020 2011-2020	Q1 Q2 Q2	0.00% 0.00% 0.00%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00
Jun-20 Jul-20 Aug-20	2011-2020 2011-2020 2011-2020	Q2 Q3 Q3	0.00% 0.00% 0.00%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00
Sep-20 Oct-20 Nov-20	2011-2020 2011-2020 2011-2020	Q3 Q4 Q4	0.00% 0.00% 0.00%	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00	\$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00
Dec-20 Total for 2020 Amount Cleare	2011-2020	Q4	0.00%	\$0.00 \$0.00 \$3,009.63	\$0.00 \$1,325.05	\$0.00 \$1,964.97	\$0.00 \$2,110.54	\$0.00 \$5,807.13	\$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
Amount Cleare	-																	

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 and the corresponding
- $\textbf{2.} \ \ \text{Please identify the source of the report via the dropdown list in Column I.}$
- 3. To faciliate the identification of adjustments that may be available in a prospective year's results report, it will be easier to sort all the savings by implementation year (Column H). This can be done by clicking on the filter button at c
- 4. Please identify what the savings value represents (i.e., current year savings for the year or an adjustment to a prior year) via the dropdown list in Column J. Current year savings would be identified with an implementation year that

5. Please manually input or link the applicable savings and adjustments (Columns L to BT) for all applicable initiatives in Tabs 4 and 5 of this work form. NOTE: The Net Verified Peak Demand Savings table and Net Verified Energy Savings table below are in the reverse order to the accompanying tables in Tab 4 and Tab 5. The tables below match those provided by the IES

Step: Portfolio	#1 Program	Initiative	LDC	Sector	Conservation	#3 (Implementation)	#2 Identify Source of Report	#4 Identify Status of Savings	#1 Net Verifie	d Annu
					Resource Type	Year	,			
									2011	2012
er 1	Consumer	Appliance Exchange Appliance Retirement	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Residential	EE EE		2011 Results Persistence	Current year savings	3 43	
er 1	Consumer	Bi-Annual Retailer Event	Guelph Hydro Electric Systems Inc.	Residential	EE EE	201	2011 Results Persistence	Current year savings Current year savings	15	
er 1	Consumer Consumer	Conservation Instant Coupon Booklet HVAC Incentives Residential Demand Response	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Residential	EE DR	201	2011 Results Persistence	Current year savings Current year savings	450	
ier 1	Consumer	Retailer Co-op	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Residential	EE	201:	2011 Results Persistence	Current year savings Current year savings	0	
ier 1	Business Business	Demand Response 3 - Business Demand Response 3 - Industrial	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Commercial & Institutional Commercial & Institutional	DR DR	201:	2011 Results Persistence	Current year savings Current year savings	307	
ier 1	Business Business	Direct Install Lighting Retrofit - Business	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Commercial & Institutional Commercial & Institutional	EE EE	201	2011 Results Persistence	Current year savings Current year savings	313 110	
ier 1 ier 1	Industrial Industrial	Demand Response 3 - Industrial Retrofit - Industrial	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Industrial Industrial	DR EE	201:	2011 Results Persistence 2011 Results Persistence	Current year savings Current year savings	596	
Fier 1		g Electricity Retrofit Incentive Program g High Performance New Construction	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Commercial & Institutional Commercial & Institutional	EE EE		2011 Results Persistence 2011 Results Persistence	Current year savings Current year savings	1,385 62	_
Fier 1	Business Business	Direct Install Lighting Retrofit - Business	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	C&I C&I	EE EE		2 2012 Results Persistence 2 2012 Results Persistence	Current year savings Current year savings	0	
ier 1	Business Consumer	Energy Audit Appliance Exchange	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	C&I Residential	EE EE	201	2 2012 Results Persistence 2 2012 Results Persistence	Current year savings Current year savings	0	
ier 1	Consumer Consumer	Appliance Retirement Bi-Annual Retailer Event	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Residential	EE EE	201	2 2012 Results Persistence 2 2012 Results Persistence	Current year savings Current year savings	0	
Fier 1 Fier 1	Consumer Consumer	Conservation Instant Coupon Booklet HVAC Incentives	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Residential	EE EE	201	2 2012 Results Persistence 2 2012 Results Persistence	Current year savings Current year savings	0	
ier 1		High Performance New Construction Demand Response 3 - Industrial	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	C&I	EE DR	201	2 2012 Results Persistence 2 2012 Results Persistence	Current year savings Current year savings Current year savings	0	
ier 1	Other	Program Enabled Savings	Guelph Hydro Electric Systems Inc.			2013	2 2012 Results Persistence	Current year savings	0	
.DC	Business Business	Energy Audit Demand Response 3 - Business	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Commercial & Institutional Commercial & Institutional	DR DR	201	3 2013 Results Persistence 2013 Results Persistence	Current year savings Current year savings		
DC DC	Business Business	Retrofit - Business Direct Install Lighting	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Commercial & Institutional Commercial & Institutional	EE EE	201	3 2013 Results Persistence 3 2013 Results Persistence	Current year savings Current year savings		
DC DC	Consumer Consumer	Conservation Instant Coupon Booklet Appliance Exchange	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Residential	EE EE	201	2013 Results Persistence 2013 Results Persistence	Current year savings Current year savings	0	
DC DC	Consumer	Appliance Retirement Bi-Annual Retailer Event	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Residential	EE EE	201	3 2013 Results Persistence 3 2013 Results Persistence	Current year savings Current year savings	0	
.DC .DC	Consumer Industrial Other	HVAC Incentives Demand Response 3 - Industrial Program Enabled Savings	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Industrial Other	DR EE	201	3 2013 Results Persistence 3 2013 Results Persistence 3 2013 Results Persistence	Current year savings Current year savings Current year savings		
DC	Other Consumer	Program Enabled Savings Appliance Retirement	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential	EE	201	2013 Results Persistence	Current year savings Current year savings	0	
DC DC	Business Business	Direct Install Lighting Energy Audit	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Commercial Commercial	EE EE	2014	2014 Results Persistence 2014 Results Persistence	Current year savings Current year savings	0	
DC DC	Business Business	New Construction Retrofit - Business	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Commercial Commercial	EE EE	2014	2014 Results Persistence	Current year savings Current year savings	0	
DC DC	Consumer Consumer	Appliance Exchange Appliance Retirement	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Residential	EE EE	2014	2014 Results Persistence	Current year savings Current year savings	0	
DC DC	Consumer Consumer	Appliance Retirement Appliance Retirement	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Residential	EE EE	2014	2014 Results Persistence 2014 Results Persistence	Current year savings Current year savings	0	
DC DC	Consumer Consumer	Appliance Retirement Bi-Annual Retailer Event	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Residential	EE EE	2014	2014 Results Persistence 2014 Results Persistence	Current year savings Current year savings	0	
.DC .DC		Conservation Instant Coupon Booklet Home Assistance Program HVAC Incentives	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Residential Residential	EE EE	2014	2014 Results Persistence 2014 Results Persistence	Current year savings Current year savings	0	
.DC Fier 1	Other Business	Time of Use Savings Demand Response 3 - Business	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Other Commercial	DR DR	2014	2014 Results Persistence 2014 Results Persistence 2014 Results Persistence	Current year savings Current year savings Current year savings	0	
ier 1	Consumer	Residential Demand Response Demand Response 3 - Industrial	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Industrial	DR DR	2014	2014 Results Persistence 2014 Results Persistence 2014 Results Persistence	Current year savings Current year savings Current year savings	0	
Fier 1 True Up	Business	Retrofit - Business	Guelph Hydro Electric Systems Inc.	C&I	EE		L 2011 Results Persistence	Adjustment	135	
Fier 1 True Up	Business Pre-2011 Pro	Direct Install Lighting g High Performance New Construction	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	C&I C&I	EE EE		2011 Results Persistence 2011 Results Persistence	Adjustment Adjustment	40 -1	
Tier 1 True Up Tier 1 True Up	Consumer Consumer	HVAC Incentives Bi-Annual Retailer Event	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Residential	EE EE		2011 Results Persistence 2011 Results Persistence	Adjustment Adjustment	-71 1	
Tier 1 True Up LDC	Consumer Program Ena	Conservation Instant Coupon Booklet b Program Enabled Savings	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Other	EE EE		L 2011 Results Persistence L 2011 Results Persistence	Adjustment Adjustment	0 119	
Tier 1 LDC	Business	Demand Response 3 - Business	Guelph Hydro Electric Systems Inc.	Commercial & Institutional	DR EE		2 2012 Results Persistence	Adjustment	0	
LDC LDC	Business Consumer	Energy Audit Retrofit - Business HVAC Incentives	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Commercial & Institutional Residential	EE EE	201	2 2012 Results Persistence 2 2012 Results Persistence 2 2012 Results Persistence	Adjustment Adjustment Adjustment		
LDC LDC	Consumer Business	HVAC Incentives Energy Audit	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Commercial	EE EE	201	2 2012 Results Persistence 2 2012 Results Persistence 2 2012 Results Persistence	Adjustment Adjustment	0	
LDC LDC	Business Business	Energy Audit Retrofit - Business	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Commercial Commercial	EE EE	201	2 2012 Results Persistence 2 2012 Results Persistence	Adjustment Adjustment	0	
LDC LDC		b Program Enabled Savings HVAC Incentives	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Other Residential	EE EE	201	2 2012 Results Persistence 2 2012 Results Persistence	Adjustment Adjustment	0	
Tier 1	Industrial	Energy Manager	Guelph Hydro Electric Systems Inc.	Industrial	EE	201:	2012 Results Persistence	Adjustment	0	
LDC LDC	Business Business	Energy Audit Energy Audit	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Commercial Commercial	EE EE	201	3 2013 Results Persistence 3 2013 Results Persistence	Adjustment Adjustment	0	
LDC LDC	Business Business	New Construction Retrofit - Business	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Commercial Commercial	EE EE	201	3 2013 Results Persistence 3 2013 Results Persistence	Adjustment Adjustment	0	
LDC LDC	Consumer Consumer	Conservation Instant Coupon Booklet HVAC Incentives	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Residential	EE DR	201	3 2013 Results Persistence 3 2013 Results Persistence	Adjustment Adjustment	0	
Tier 1	Industrial	Energy Manager	Guelph Hydro Electric Systems Inc.	Industrial Commercial	DR DR		2013 Results Persistence	Adjustment	0	
Tier 1 Tier 1	Business Consumer	Demand Response 3 - Business Residential Demand Response	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential	DR	200	2011 Results Persistence 7 2011 Results Persistence	Adjustment Adjustment	0	
Tier 1 Tier 1	Consumer Consumer	Residential Demand Response Residential Demand Response	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Residential	DR DR	2009	2011 Results Persistence 2011 Results Persistence	Adjustment Adjustment	0	
Fier 1 Fier 1	Consumer Consumer	Residential Demand Response Residential Demand Response	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.	Residential Residential	DR DR		2011 Results Persistence 2011 Results Persistence	Adjustment Adjustment	0	
	Residential Residential	Save on Energy Coupon Program Save on Energy Heating and Cooling Program	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.				2015 Results Persistence 2015 Results Persistence	Current year savings Current year savings		
	Residential Residential	Appliance Retirement Initiative Coupon Initiative	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.			201	2015 Results Persistence 2015 Results Persistence	Current year savings Current year savings Current year savings		
	Residential Residential	Bi-Annual Retailer Event Initiative HVAC Incentives Initiative	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.			201	2015 Results Persistence 2015 Results Persistence	Current year savings Current year savings		
	Commercial	a Energy Audit Initiative a Efficiency: Equipment Replacement Incentive Initiative	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.			201	2015 Results Persistence 2015 Results Persistence 2015 Results Persistence	Current year savings Current year savings Current year savings		
		a Direct Install Lighting and Water Heating Initiative Process and Systems Upgrades Initiatives - Project Incentive Initiative	Guelph Hydro Electric Systems Inc.			201	2015 Results Persistence 2015 Results Persistence 2015 Results Persistence	Current year savings Current year savings Current year savings		
	Industrial Low Income	Process and Systems Opgrades Initiatives - Energy Manager Initiati Low Income Initiative		-		201	2015 Results Persistence 2015 Results Persistence 2015 Results Persistence	Current year savings Current year savings Current year savings		
	Residential	Save on Energy Coupon Program	Guelph Hydro Electric Systems Inc.			201	5 2015 Results Persistence	Adjustment		
	Residential Residential	Save on Energy Heating and Cooling Program Save on Energy New Construction Program	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.			201	5 2015 Results Persistence 5 2015 Results Persistence	Adjustment Adjustment		
	Business Business Residential	Save on Energy Retrofit Program Save on Energy High Performance New Construction Program Coupon Initiative	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.			201	5 2015 Results Persistence 5 2015 Results Persistence 5 2015 Results Persistence	Adjustment Adjustment		
	Residential Residential Commercial	Coupon Initiative HVAC Incentives Initiative ar Energy Audit Initiative	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.			201	5 2015 Results Persistence 5 2015 Results Persistence 5 2015 Results Persistence	Adjustment Adjustment Adjustment		
	Commercial	arEnergy Audit Initiative arEfficiency: Equipment Replacement Incentive Initiative arNew Construction and Major Renovation Initiative	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.			201	2015 Results Persistence 2015 Results Persistence 2015 Results Persistence	Adjustment Adjustment Adjustment		
	Residential	Save on Energy Coupon Program	Guelph Hydro Electric Systems Inc.			201	5 2016 Results Persistence	Current year savings		
	Residential Business	Save on Energy Heating and Cooling Program Save on Energy Retrofit Program	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.			201	5 2016 Results Persistence 5 2016 Results Persistence	Current year savings Current year savings		
	Business Conservation	Save on Energy High Performance New Construction Program I Home Depot Home Appliance Market Uplift Conservation Fund Pil	Guelph Hydro Electric Systems Inc. ot Guelph Hydro Electric Systems Inc.				2016 Results Persistence 2016 Results Persistence	Current year savings Current year savings		
	Business Business	Save on Energy Retrofit Program Save on Energy High Performance New Construction Program	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.				7 2015 Results Persistence 7 2015 Results Persistence	Adjustment Adjustment		
	Commercial	Save on Energy High Performance New Construction Program ar Efficiency: Equipment Replacement Incentive Initiative ar Direct Install Lighting and Water Heating Initiative	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.			201	7 2015 Results Persistence 7 2015 Results Persistence 7 2015 Results Persistence	Adjustment Adjustment Adjustment		
	Residential	Save on Energy Coupon Program	Guelph Hydro Electric Systems Inc.			201	7 2016 Results Persistence	Adjustment		
	Residential Business	Save on Energy Heating and Cooling Program Save on Energy Retrofit Program	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.			201	7 2016 Results Persistence 7 2016 Results Persistence	Adjustment Adjustment		
	Business Business	Save on Energy High Performance New Construction Program Save on Energy Energy Manager Program	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.				7 2016 Results Persistence 7 2016 Results Persistence	Adjustment Adjustment		
	Residential Residential	Save on Energy Coupon Program Save on Energy Instant Discount Program	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.				7 2017 Results Persistence 7 2017 Results Persistence	Current year savings Current year savings		
	Residential Residential	Save on Energy Instant Discount Program Save on Energy Heating and Cooling Program Save on Energy Home Assistance Program	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.			201	7 2017 Results Persistence 7 2017 Results Persistence 7 2017 Results Persistence	Current year savings Current year savings Current year savings		
	Business Business	Save on Energy Retrofit Program Save on Energy Retrofit Program Save on Energy High Performance New Construction Program	Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc. Guelph Hydro Electric Systems Inc.			201	7 2017 Results Persistence 7 2017 Results Persistence 7 2017 Results Persistence	Current year savings Current year savings Current year savings		
	Business	Save on Energy Energy Manager Program	Guelph Hydro Electric Systems Inc.			201	7 2017 Results Persistence	Current year savings		
	Business	Save on Energy Energy Performance Program for Multi-Site Custor	nerGuelph Hydro Flectric Systems Inc			2011	7 2017 Results Persistence	Current year savings		

Version 3.0 (2019)

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

:ell H25 (highlighted in orange). Before you sort values, please ensure that all table columns have filters.

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.

30.

Demand Sa	avings at the	End-User Le	vel (kW)																					
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
3 43	1 42	29		0	0	0	0	0	0	0		0	0	0	0	0	0	0		0	0	0 0	0	
15 11 450	15 11 450	10	9	8	8	9	5 450	1 1 450	1 1 450	1	1	1	1 1 450	450	450	0	0	0	0	0	0	0 0	0	
0	0			0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0 0	0	
308	0 0 257		0 257	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	
110	110	0	0	0	0	0	74	74	10	0	0	0	10	0	0	0	0	0	0	0	0	0 0	0	
596 1,385 62	596 1,385 62	1,385	1,385	1,385	1,385	1,385	310 1,385 62	310 1,385 62	166 1,385 62	1,385	0	0	166 0 37	0 0 37	0	0 0 37	0 0	0 0 37	Ü	0 0	0	0 0	0 0 37	
156 1,049	154 1,019	145	145	62	62	62	62 737	62 629	61 623	61	0	0	305	0 29	0	0	0	0	0	0	0	0 0	0	
83	83	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	
23 13	23 13	13	12	10			0	0 5	0				0 2	0	0	0 1	0			0	0	0 0	0	
2 253 1	2 253 1	253	253	253			2 253 1	2 253 1	0 253 1	253	253		0 253	0 253	253 0	253	216 0	0	0	0	0	0 0	0	
2,304	0 2,304	0 228	0 228	0 228	0 228	0 228	0 228	0 228	0 228	0 228	0 228	0 228	0 228	0	0	0	0	0	0	0	0	0 0	0	
9 1,064	9																							
939 105 5	938 105 5	103	99	57	57	57	889 57 4	866 57 3	812 57 3	57	43	0	627 0 2	627 0 2	511 0 2	28	27 0 1	0	0	0	0	0 0	0	
11 14	11 14	11 14	11 14	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	
287 3,576	287					287	287	7 287	7 287			287	3 287	287	287	287	2 287			0	0	0	0	
16 0	16 0					16 0	16 0	16 0	16 0	16 0		16 0	16 0	16 0	0	0	0	0	0	0	0	0 0	0	
0	108 53 2	53	53	53	0	0	66	66 0 2	66 0 2		0	24 0 2	0	0 0 2	0	0	0	0		0	0	0 0	0	
0	1,107 14	1,101 14	1,101 14	1,082 14	1,079		1,059 0	1,059 0	1,020 0				731 0	704 0	704 0	547	34	34		34 0		0 0	0	
0	0 1 5	1	1	1			0	0	0	0		0	0	0	0	0	0			0	0	0 0	0	
0	7 72	7 63	7 58	7 58	7 58	0 58	58	0 58	58	0 54	0 49		0	0 42		0 42	0 34	0 34	34	34	0	0 0	0	
0	20 1 351	1	1	1	1	1	19 1 351	18 1 351	18 1 351	0	0	0	11 0 351	11 0 351	11 0 351	0	5 0 351	0	0	5 0 0	0	0 0	0	
0	688 1,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	
0	60 3,686	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	
135 40 -1	135 38 -1	38	38	6	6	6	30 6 -1	30 6 -1	30 6 -1	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	-
-71 1	-71 1	-71 1	-71 1	-71 1	-71 1	-71 1	-71 0	-71 0	-71 0	-71 0	-71 0	-71 0	-71 0	- 71	- 71	-61 0	0	0	0	0	0	0 0	0	
0 119	0 119 2	119			-	119	0 119	0 119	0 119			0 119	0 119	0 119	0 119	119	119 0	0	0	0	0	0 0	0	
16 32	16 32	16		29			24	23	22	22	1	1	1	1	0	0	0	0	0	0	0	0	0	
6 0	6 0	6 0	6	6		6	6	6	6	6	6		6	6		6	6			0	0	0 0	0	
1 3 5	3 5	3	0	0	0	0	0	0	0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0 0	0	
2,639	2,639	1	1		2,639		2,639	2,639	168			168	168	168	168	168	168		0	0	0	0 0	0	
0	0	0	0		0		0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	
1,041 2 282	1,041 2 282	2	2	2		2	2 204		2 184				2 152			0	0	0	0	0	0	0 0	0	
0 15	0 15	0 15	0 15	0	0 15	0 15	0 15	0	0 15	0	0	0	0 15	0	0	0	0 15			0	0	0 0	0	(
0	2			0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	
0	3 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	
0	33 80 53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	
		47 124					46 124		46 124				42 124	42 124	42 124		42 124			11 117		0 0	0	
		7 14	7 14	7 14	7 14	4 14	0 14	0 14	0 14	0 14	0 14	0 13	0 13	0 13	0 13	13	0 13	0 5	0 5	0 5	5		0	
		24 273 30	273	273	273	273	24 273	24 273	24 273				273 0	273 0	273 0		273 0			243 0		0 0	0	
		6,992 23	6,992 22	6,978 13	6,978 13	6,978 13	6,978 13	13	6,895 13	13	13	13	5,817 6	5,616 0	5,602	0	3,871 0	0	0	63 0	0	0	0	
		4,811 5 43	5	5	5	5	4,811 5 35	4,811 5 35	4,811 5 35	5	5	0	4,811 0 25	4,811 0 24	4,811 0 24	0	4,811 0 1	0	0	4,811 0 1	0	0		
		5 18	5	5	5	5	5 18	5	5 18	5	5	5	5 18	5 18	5 18	5	5 18	3	3	3 17	3	3 0	0	
		6 133	6 133	6 133	6 133	6 133	6 133	6 129	6 129	6 129	6 117	6	6 33	6 30	6 30	6 30	6 21	1 0	0	0	0	0 0	0	
		14 0 6	0 6	0 6	0 6	6	14 0 6	14 0 6	14 0 6	0 6	0 6	0 6	14 0 6	14 0 6	14 0 6	0	14 0 6	0 6	0	0 0 6	0		0 0	
		2 147 21	147	147	147	147	32 147 21	32 135 21	32 135 21	135	84	34	32 26 21	32 13 21	23 13 21	13	0 8 0	0	0	0 0 0		0	0 0 0	
		0	243	243	243	243	243 392		243 392	243	243	242	233 392	233 392	233	233	203 392	203	90	0 392	0	0	0	
		0	558 20	541 20	541 20	541 20	541 20	534 20	534 20	534 20	533 20	533 20	532 20	381 20	141 20	141 20	68 20	0 16	0 14	0 5	0	0 0	0	
		265				265	265	268	268				13		12		0			1			- 0	
		- 30 -8					- 44 3		139				- 22 2		13	13	13	13	13	13	13	- 3 -	-	-
		-	26	26	26	26	26 3	26 3	26 3	26	26	26	26 3	26 3	26		23			- 3	- 3	-	-	-
		-	587 46	603 46	604 46	604 46	604 46	603 46	603 46	603 46			601 46	407 46	104 46		8 46			1	- 1	1 1	-	-
		-		299			244		244				244		220		220			22 93		-	-	-
		-	-	274 24	274 24	274 24	274 24	274 24	274 24	274 24	274 24	274 24	274 24	274 8	274 8	274	274 8	274	274 8	274 8	274 8	8 8	- 8	
		-	-	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16		6	5 -	-	
		-	-	-									-		-		-			-				÷

#1
Net Verified Annual Energy Savings at the End-User Level (kWh)

U		3,328	3,328	2,101	Δ.			ام	0	0			0	0	
0 0	3,328 312,750 263,995	312,750 263,995	312,750 263,995	312,244 263,995	221,958 241,272	216,448	163,188	162,593	210,140	67,432	24,280	21,373	21,373	15,785	15
0 0	171,748 861,567	171,748 861,567	171,748 861,567	171,748 861,567	158,144 861,567	143,283 861,567	112,051 861,567	111,346 861,567	139,811 861,567	54,375 861,567	17,182 861,567	14,070 861,567	14,070 861,567	12,955 861,567	12 861
0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 0	11,993 778,995	778,995	766,800	615,129	615,129	615,129	217,877	216,085	216,085	216,085	200,948	200,948	0	0	
0 0	549,202	549,202	549,202	549,202 0		549,202	549,202	549,202 0	401,596 0	401,596	401,596	51,693	51,693 0	51,693	51
0 0	3,704,027 7,431,466	3,704,027 7,431,466	3,704,027 7,431,466	3,704,027 7,431,466	7,431,466		3,704,027 7,431,466	3,704,027 7,431,466	1,738,512 7,431,466	1,738,512 7,431,466	1,738,512 7,431,466	888,424 7,431,466	888,424 7,431,466	888,424 0	888
0 0	317,091	317,091 553,506	317,091 553,506	317,091 543,662			317,091 215,935	317,091 215,935	317,091 215,935	317,091 215,935	317,091 215,935	317,091 206,292	317,091 206,292	317,091	317
0 0	0	5,028,199 402,820	5,006,770 402,820	4,911,772 402,820	402,820	4,331,063	4,039,117 0	3,990,373 0	3,990,373	3,932,828 0	3,288,699 0	3,100,010 0	3,096,044 0	1,706,742 0	1,456
0 0	0	5,639 167,643	5,639 167,643	5,639 167,643	167,643	103,947	0	0	0	0	0	0	0	0	
0 0	0	12,560	12,560	12,560	12,560	12,372	12,372	5,826	5,794	5,794	5,794	941	758	758	40
0 0	0	983	983	983		983	983	983	983	983	983	983	983	0	445
0 0	0	1,188,362	1,188,362	1,188,362			1,188,362	1,188,362	1,188,362	1,188,362	1,188,362	1,188,362	1,188,362	1,188,362	1,188
0 0	0	0	14,560 6,406,519	6,402,307	6,402,307	6,402,307	6,274,014	6,232,246	6,232,246	6,230,027	6,157,801	5,853,322	5,437,254	5,418,857	4,796
0 0	0	0	361,892 69,239	361,892 69,239	66,571	338,743 56,399	199,248 56,399	199,248 56,399	199,248 56,399	199,248 56,352	199,248 40,978	199,248 40,978	198,871 37,259	145,485 36,728	36
0 0	0	0	88,206	88,206	88,206	87,899	50,376	0	0	0	0 0 95 165	0 0 95 165	0 0 82 808	0	53
0 0			503,633 81,439	503,633		503,633	503,633	503,633	503,633	503,633	503,633	503,633	503,633	503,633	503
0 0	0	0	96,000 55	96,000 55		96,000 55	96,000 30	96,000	96,000	96,000	96,000	96,000	96,000	96,000	96
0 0	0	0	0	384,907 261,094	261,094	261,094	245,984 261,094	245,984	245,984	245,984	245,984	245,984	245,984	241,927	80
0 0	0	0	0	7,229,048	7,209,230	7,209,230	7,144,777	7,125,966	7,125,966	7,031,098	7,031,098	6,374,780	5,814,475	4,976,207	4,420
0 0	0	0	0	313 1,262	313 1,262	313 1,262	1,262	0	0	0	0	0	0	0	
0 0	0	0	0	50,246	50,246	50,246	50,246	50,246	0 0	0	0	0	0	706 720	673
0 0	0	0	0	271,895	253,777	244,737	244,737	244,737	244,737	244,737	232,234	232,234	199,390	184,711	18
0 0	0	0	0	650,307 0	650,307 0	650,307 0	650,307 0	650,307 0	650,307 0	650,307 0	650,307 0	650,307 0	650,307	650,307	65
0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 0	1,002,941	1,002,941	1,002,941	1,002,941	1,002,941	1,002,941	947,014	259,386	201,320	201,320	201,320	201,320	115,070	115,070	11
0 0	-100,859	-100,859	-100,859	-100,859	-100,859	-100,859	-100,859	-100,859	-100,859	-100,859	-100,859	-100,859	-100,859	-100,859	-10 -13
0 0	19,614 2,476	19,614 2,476	19,614 2,476	19,614 2,476	19,614	17,823	9,623 1,388	9,621 1,386	9,621 1,386	2,122 491	1,783 222	1,637 161	1,637 161	1,359 145	
0 0	449,226	449,226	449,226	449,226	449,226	449,226	449,226	449,226	449,226	449,226	449,226	449,226	449,226	449,226	449
0 0	0	75,529 169,662	75,529 169,662	75,529 169,121	163,106	163,106	156,977	155,715	155,715	141,166	133,626	117,034	117,034	4,868	4
0 0	0	75 2,562	75 2,562	75 2,562	75		75	75	75	75	75	75	75	75 0	1
0 0	0	13,665 114,167	13,665 114,167	13,665 114,167	114,167		105,636	105,636	105,636	105,636	105,636	102,992	102,992	96,890	96
0 0	0	2,446	2,446	2,446			2,446	2,446	2,446	2,446	2,446	2,446	2,446	2,446	99
0 0	0	0	32				0	0	0	0	0	0	0	0	
0 0	0	0	2,845	2,845	2,845	2,845	2,845 1,344,575	2,845 1,083,215	2,845 1.083,215	2,845 1.076.030	2,845 1.050,951	2,845 973,172	2,845 806.819	2,845 747,246	686
0 0	0	0	212 27,299	212 27,299	201		174 27,299	174 27,299	174 27,299	174 27,299	146 27,299	146 27,299	139 27,299	139 27,299	2
0 0	0	0	10,468	10,468	10,468	0	0	0	0	0	0	0	0	0	
0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 0	0	0	0	0	734,476		728,461	728,461	728,461	728,461	728,461	727,998	727,998	727,998	68
0 0					46,864	46,864	46,864	46,656	240,796 26,046 220,890	240,796 0 220,890	0	0	0	240,796 0 220,841	24
0 0					327,422 515,733	316,563	316,563 515,733	316,563 515,733	316,563 515,733	316,563 515,733	316,563 515,733	316,552 515,733	316,552 515,733	316,552 515,733	28
0 0					142,541 14,020,784	14,020,784	142,541 13,976,235	142,541 13,976,235	13,976,235	13,976,235	13,571,889	13,571,889	13,180,751	11,739,120	7,35
0 0					102,095 42,147,864 17239	42,147,864	57,881 42,147,864 17239	57,881 42,147,864 17239	57,881 42,147,864 17239	57,881 42,147,864 17239	57,881 42,147,864 17239	57,881 42,147,864 17239	57,881 42,147,864 17239	57,881 42,147,864 17239	42,14
0 0					526869	414753	393471 82963	372886	372886 82963	372886 82963	372886 82963	372886	205499	204696	19
0 0 0					35577 30500	35577 30500	35577 30500	35577 30500	35577 30500	35577 30500	35577 30500	35577 30500	35577 30500	35577 30500	3
0 0					674627 122249 5350	674627 122249 5303	674627 122249 5303	674627 122249 5303	674627 122249 5303	674627 122249 5303	657255 122249 5303	657255 122249 5303	657002 122249 5303	602046 122249 5303	3: 1:
0 0 0					12605 9592	12605 9592	12605 9592	12605 9592	12605 152133	12605 152133	12605 152133	12605 152133	12605 152133	12605 152133	1
0 0					1007040 92866	92866	1007040 92866	1007040 92866	1007040 92866	1007040 92866	932984 92866	932984 92866	924392 92866	608291 92866	2!
0 0 0 0					0		3738398 1333152 3223236	3738398 1333152 3223236	3738398 1333152 3223236	3738398 1333152 3223236	3738398 1333152 3170753	3738398 1333152 3170753	3737857 1333152 3170753	3737857 1333152 3166559	372 133 316
0 0					0	98558	98558 708	98558 708	98558 708	98558 708	98558 708	98558 708	98558 708	98558 708	311
					1,112,497 3,647		1,112,497 3,647	1,112,497 3,647	1,112,497 3,647	1,112,497 3,647	1,129,868 3,647	1,129,868 3,647	1,129,968 3,647	826,130 3,647	
					155,652 -34,736	155,652	200,201	202,141 10,539	202,141 10,539	202,141 10,539	680,542 10,539	680,542 10,539	1,013,226 10,539	929,158 10,539	
: :						9,758		409,378 9,758	409,378 9,758	409,378 9,758	409,378 9,758	409,378 9,758	409,342 9,758	409,342 9,758	
					-	244,106		4,008,552 244,106 835	4,008,552 244,106 835	4,008,552 244,106 835	4,006,064 244,106 835	4,006,064 244,106 835	4,006,064 244,106 835	4,003,417 244,106 835	4
					-		4,196,635	3,380,561	3,380,561	3,380,561	3,380,561	3,380,561	3,380,561	3,380,527	3,
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LRAMVA Work Form: Documentation for Streetlighting Projects

Version 3.0 (2019)

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).

Guelph Hydro had one small streetlighting project in the Village of Rockwood included as a 2017 Retrofit project.

This small project saw 340 luminaires converted to LED, with a resultant annual net energy savings of 114,558 kWh.

The applicant used the IESO's Prescriptive Exterior Lighting Worksheet to quantify the measures installed and calculate the related project incentive.

The IESO's Prescriptive Measures and Assumptions List (MAL) used in conjunction with the project Worksheet calculate the estimated gross annual energy savings.

The IESO's annual Evaluation, Measurement and Verification (EM&V) exercise calculates the net verified annual energy savings attributed to the project.

The IESO does not recognize demand reduction for street lighting projects as energy is used in off-peak hours and as such does not reduce provincial system demand peaks.

However, from an LDC load perspective, a street lighting project does have an LRAM impact, as the customer's kW load is reduced with the energy efficient LED measures, and Guelph Hydro's street lighting distribution revenue is based on connected kW demand.

The load impact is calculated by taking the total number of luminaires and their corresponding luminaire-ballast load as the base case. The post-project energy efficient LED equivalent load is then calculated in a similar manner (number of luminaires x per unit kW load).

The difference is used as the kW load reduction for the LRAM calculation, after the IESO Net:Gross adjustment is applied to the project results. The resultant value is used to replace the "0" kW demand reduction allocated in the IESO Final Verified Results Report.

For Guelph Hydro's 2017 street light project the base case demand was 37 kW, the post project demand was 14.2 kW, with a resultant 22.8 kW demand reduction.

After applying the IESO's 2017 Retrofit Program Realization Rate and Net:Gross adjustments, a 24.0 kW LRAM demand reduction is calculated and applied to the project. Calculation details for this project are provided in the Tab 8 Streetlighting Work Form table.

LIGHTING RE-DESIGN

Rockwood - Cobrahead only LED Street Lighting Upgrade

		BASE CASE LIGHTING REDESIGNED LED LIGHTING									
	Watts					Watts					
	Luminaire	Existing	Per	Total	Luminaire	Replacement	Per	Total	kW		
Location	Qty	Lighting	Luminaire	kW	Qty	Lighting	Luminaire	kW	Saved		
Rockwood	269	70 W HPS	100	27	269	Philips Lumec RFS0560	37.5	10.1	16.8		
Rockwood	54	100 W HPS	130	7	54	Philips Lumec RFS0596	52.5	2.8	4.2		
Rockwood	17	150 W HPS	180	3	17	Philips Lumec RFM1555	72.5	1.2	1.8		
		•						•			
TOTALS	340			37	340			14.2	22.8		

Note: All lighting retrofits must adhere to Illuminating Engineering Society (I.E.S) guidelines.

 2017 Retrofit-IESO Realization Rate:
 104%
 23.

 2017 Retrofit-IESO Net:Gross:
 101%
 24.

2017 LRAM Impact: 24.0

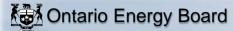
Streetlighting Persistence Calculation (Demand Only)

		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Business	Save on Energy Retrofit Program	2,946	3,061	3,061	3,061	3,061	3,005	3,005	3,005	3,005	3,005
	Change in Persistence kW	-2,946	-115	-	-	-	56	-	-	-	-
	Persistence %		1.07807	1.00000	1.00000	1.00000	0.96341	1.00000	1.00000	1.00000	1.00000
	Streetlighting Persistence	24.0	25.92	25.92	25.92	25.92	24.97	24.97	24.97	24.97	24.97

Guelph Hydro Electric Systems Inc. EB-2018-0036 Application Appendix 6 Filed: August 9, 2018

Appendix 6 Guelph 2016 Approved Revenue Requirement Work Form

(Presented in PDF and Excel format)



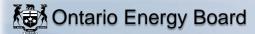


Version 5.00

Utility Name	Guelph Hydro Electric Systems Inc.	
Service Territory		
Assigned EB Number	EB-2015-0073	
Name and Title	Cristina Birceanu, Director of Regulatory Affairs	
Phone Number	519-837-4735	
Email Address	cbirceanu@guelphhydro.com	

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

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



1. Info 6. Taxes PILs

2. Table of Contents 7. Cost_of_Capital

3. Data_Input_Sheet 8. Rev_Def_Suff

4. Rate_Base 9. Rev_Reqt

5. Utility Income 10. Tracking Sheet

Notes:

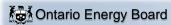
(1) Pale green cells represent inputs

(2) Pale green boxes at the bottom of each page are for additional notes

(3) Pale yellow cells represent drop-down lists

(4) Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.

(5) Completed versions of the Revenue Requirement Work Form are required to be filed in working Microsoft Excel



Data Input (1)

	_	Initial Application	(2)	Adjustments		pplication Update	(6)	Adjustments	Per Board Decision	
1	Rate Base									
•	Gross Fixed Assets (average) Accumulated Depreciation (average) Allowance for Working Capital:	\$169,552,260 (\$35,695,380)	(5)	(\$245,025) \$17,754		69,307,235 35,677,626)			\$169,307,235 (\$35,677,626)	
	Controllable Expenses Cost of Power Working Capital Rate (%)	\$16,189,495 \$207,681,446 13.00%	(9)	(\$829,908) ####################################		15,359,587 21,468,688 7.50%	(9)		\$15,359,587 \$221,468,688 7.50%	(9)
2	Utility Income	10.0070	(0)			110070	(0)		1.0070	(0)
-	Operating Revenues:									
	Distribution Revenue at Current Rates Distribution Revenue at Proposed Rates Other Revenue:	\$28,027,320 \$32,112,227		\$133,469 (\$2,583,903)		28,160,789 29,528,324		\$0 \$0	\$28,160,789 \$29,528,324	
	Specific Service Charges	\$426.370		\$0		\$426.370		\$0	\$426.370	
	Late Payment Charges	\$120,000		\$0		\$120,000		\$0	\$120,000	
	Other Distribution Revenue	\$610,833		\$100,000		\$710,833		\$0	\$710,833	
	Other Income and Deductions	\$1,049,998		\$0		\$1,049,998		\$0	\$1,049,998	
	Total Revenue Offsets	\$2,207,201	(7)	\$100,000	:	\$2,307,201		\$0	\$2,307,201	
	Operating Expenses:									
	OM+A Expenses	\$16,404,861		(\$1,174,000)		15,230,861			\$15,230,861	
	Depreciation/Amortization	\$5,751,746		(\$6,562)	\$	5,745,184			\$5,745,184	
	Property taxes Other expenses	\$335,074		\$ -	\$	335,074			\$335,074	
2	·									
3	Taxes/PILs Taxable Income:									
	Adjustments required to arrive at taxable income	(\$2,652,036)	(3)		(:	\$2,893,294)			(\$2,893,294)	
	Utility Income Taxes and Rates:									
	Income taxes (not grossed up) Income taxes (grossed up)	\$671,671 \$901,253				\$509,044			\$509,044	
	Federal tax (%)	15.00%				\$692,577 15.00%			\$692,577 15.00%	
	Provincial tax (%)	10.47%				11.50%			11.50%	
	Income Tax Credits	(\$197,000)				(\$199,000)			(\$199,000)	
4	Capitalization/Cost of Capital Capital Structure:									
	Long-term debt Capitalization Ratio (%)	56.0%				56.0%			56.0%	
	Short-term debt Capitalization Ratio (%)	4.0%	(8)				(8)		4.0%	(8)
	Common Equity Capitalization Ratio (%)	40.0%				40.0%			40.0%	
	Prefered Shares Capitalization Ratio (%)	100.0%				100.0%			100.0%	
									. 23.070	
	Cost of Capital									
	Long-term debt Cost Rate (%)	5.18%				4.91%			4.91%	
	Short-term debt Cost Rate (%)	2.16%				1.65%			1.65%	
	Common Equity Cost Rate (%) Prefered Shares Cost Rate (%)	9.30%				9.19%			9.19%	
	. ,									

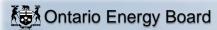
General Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.

- (1) All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)

 Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc.,
- use colimn M and Adjustments in column I
- (3) (4) (5)
- Net of addbacks and deductions to arrive at taxable income.

 Average of Gross Fixed Assets at beginning and end of the Test Year

 Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.
- Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.
- Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
- (7) (8) (9) 4.0% unless an Applicant has proposed or been approved for another amount.
 - Starting with 2013, default Working Capital Allowance factor is 13% (of Cost of Power plus controllable expenses). Alternatively, WCA factor based on lead-lag study or approved WCA factor for another distributor, with supporting rationale.



Rate Base and Working Capital

Rate Base

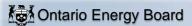
Line	Particulars		Initial	Adjustments	Application Update	Adjustments	Per Board
No.		-	Application		Opuale		<u>Decision</u>
1	Gross Fixed Assets (average)	(3)	\$169,552,260	(\$245,025)	\$169,307,235	\$ -	\$169,307,235
2	Accumulated Depreciation (average)	(3)	(\$35,695,380)	\$17,754	(\$35,677,626)	\$ -	(\$35,677,626)
3	Net Fixed Assets (average)	(3)	\$133,856,880	(\$227,271)	\$133,629,609	\$ -	\$133,629,609
4	Allowance for Working Capital	_(1)	\$29,103,222	(\$11,341,102)	\$17,762,121	\$ -	\$17,762,121
5	Total Rate Base	_	\$162,960,102	(\$11,568,372)	\$151,391,730	<u> </u>	\$151,391,730

(1) Allowance for Working Capital - Derivation

Controllable Expenses		\$16,189,495	(\$829,908)	\$15,359,587	\$ -	\$15,359,587
Cost of Power		\$207,681,446	\$13,787,243	\$221,468,688	\$ -	\$221,468,688
Working Capital Base		\$223,870,940	\$12,957,335	\$236,828,275	\$ -	\$236,828,275
Working Capital Rate %	(2)	13.00%	-5.50%	7.50%	0.00%	7.50%
Working Capital Allowance		\$29,103,222	(\$11,341,102)	\$17,762,121		\$17,762,121

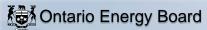
10 Notes

Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2014 cost of service applications is 13%. Average of opening and closing balances for the year.



Utility Income

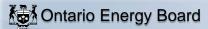
Line No.	Particulars	Initial Application	Adjustments	Application Update	Adjustments	Per Board Decision
1	Operating Revenues: Distribution Revenue (at Proposed Rates)	\$32,112,227	(\$2,583,903)	\$29,528,324	\$ -	\$29,528,324
2	Other Revenue	(1) \$2,207,201	\$100,000	\$2,307,201	<u> </u>	\$2,307,201
3	Total Operating Revenues	\$34,319,428	(\$2,483,903)	\$31,835,525	<u> </u>	\$31,835,525
4 5 6 7 8	Operating Expenses: OM+A Expenses Depreciation/Amortization Property taxes Capital taxes Other expense	\$16,404,861 \$5,751,746 \$335,074 \$- \$-	(\$1,174,000) (\$6,562) \$ - \$ - \$ -	\$15,230,861 \$5,745,184 \$335,074 \$-	\$ - \$ - \$ - \$ - \$ -	\$15,230,861 \$5,745,184 \$335,074 \$-
9	Subtotal (lines 4 to 8)	\$22,491,681	(\$1,180,562)	\$21,311,118	\$ -	\$21,311,118
10	Deemed Interest Expense	\$4,864,378	(\$597,709)	\$4,266,669	<u> </u>	\$4,266,669
11	Total Expenses (lines 9 to 10)	\$27,356,059	(\$1,778,272)	\$25,577,788	\$ -	\$25,577,788
12	Utility income before income taxes	\$6,963,369	(\$705,631)	\$6,257,737	<u> </u>	\$6,257,737
13	Income taxes (grossed-up)	\$901,253	(\$208,676)	\$692,577	\$ -	\$692,577
14	Utility net income	\$6,062,116	(\$496,956)	\$5,565,160	<u> </u>	\$5,565,160
<u>Notes</u>	Other Revenues / Revenues	nue Offsets				
(1)	Specific Service Charges Late Payment Charges Other Distribution Revenue Other Income and Deductions Total Revenue Offsets	\$426,370 \$120,000 \$610,833 \$1,049,998 \$2,207,201	\$ - \$ - \$100,000 \$ - \$100,000	\$426,370 \$120,000 \$710,833 \$1,049,998	\$ - \$ - \$ - \$ -	\$426,370 \$120,000 \$710,833 \$1,049,998



Taxes/PILs

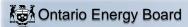
Line No.	Particulars	Application	Application Update	Per Board Decision
	Determination of Taxable Income			
1	Utility net income before taxes	\$6,062,116	\$5,565,160	\$5,565,160
2	Adjustments required to arrive at taxable utility income	(\$2,652,036)	(\$2,893,294)	(\$2,893,294)
3	Taxable income	\$3,410,080	\$2,671,866	\$2,671,866
	Calculation of Utility income Taxes			
4	Income taxes	\$671,671	\$509,044	\$509,044
6	Total taxes	\$671,671	\$509,044	\$509,044
7	Gross-up of Income Taxes	\$229,582	\$183,533	\$183,533
8	Grossed-up Income Taxes	\$901,253	\$692,577	\$692,577
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	\$901,253	\$692,577	\$692,577
10	Other tax Credits	(\$197,000)	(\$199,000)	(\$199,000)
	Tax Rates			
11 12 13	Federal tax (%) Provincial tax (%) Total tax rate (%)	15.00% 10.47% 25.47%	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%

Notes



Capitalization/Cost of Capital

Line No.	Particulars	Capitali	zation Ratio	Cost Rate	Return
		Initial A	Application		
	Debt	(%)	(\$)	(%)	(\$)
1	Long-term Debt	56.00%	\$91,257,657	5.18%	\$4,723,581
2	Short-term Debt	4.00%	\$6,518,404	2.16%	\$140,798
3	Total Debt	60.00%	\$97,776,061	4.98%	\$4,864,378
	Equity	40.000/	ФСБ 4.0.4.0.4.4.	0.000/	©C 000 440
4 5	Common Equity Preferred Shares	40.00% 0.00%	\$65,184,041 \$ -	9.30% 0.00%	\$6,062,116 \$ -
6	Total Equity	40.00%	\$65,184,041	9.30%	\$6,062,116
7	Total	100.00%	\$162,960,102	6.71%	\$10,926,494
		Applica	tion Update		
		(%)	(\$)	(%)	(\$)
1	Debt Long-term Debt	56.00%	\$84,779,369	4.91%	\$4,166,751
2	Short-term Debt	4.00%	\$6,055,669	1.65%	\$99,919
3	Total Debt	60.00%	\$90,835,038	4.70%	\$4,266,669
	Equity				
4	Common Equity	40.00%	\$60,556,692	9.19%	\$5,565,160
5	Preferred Shares	0.00%	\$ -	0.00%	\$-
6	Total Equity	40.00%	\$60,556,692	9.19%	\$5,565,160
7	Total	100.00%	\$151,391,730	6.49%	\$9,831,829
		Per Boa	ard Decision		
	Debt	(%)	(\$)	(%)	(\$)
8	Long-term Debt	56.00%	\$84,779,369	4.91%	\$4,166,751
9	Short-term Debt	4.00%	\$6,055,669	1.65%	\$99,919
10	Total Debt	60.00%	\$90,835,038	4.70%	\$4,266,669
11	Equity Common Equity	40.00%	\$60 EE6 602	9.19%	\$5 565 160
12	Preferred Shares	0.00%	\$60,556,692 \$ -	0.00%	\$5,565,160 \$ -
13	Total Equity	40.00%	\$60,556,692	9.19%	\$5,565,160
14	Total	100.00%	\$151,391,730	6.49%	\$9,831,829
<u>Notes</u>					
(1)			/ filed. For updated revenues, etc., use colimn M and A		

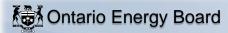


Revenue Deficiency/Sufficiency

		Initial Applicat		Application	Update	Per Board Decision			
Line No.	Particulars	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates		
1	Revenue Deficiency from Below		\$4,084,908		\$1,367,535		\$1,367,535		
2	Distribution Revenue	\$28,027,320	\$28,027,320	\$28,160,789	\$28,160,789	\$28,160,789	\$28,160,789		
3	Other Operating Revenue Offsets - net	\$2,207,201	\$2,207,201	\$2,307,201	\$2,307,201	\$2,307,201	\$2,307,201		
4	Total Revenue	\$30,234,520	\$34,319,428	\$30,467,990	\$31,835,525	\$30,467,990	\$31,835,525		
5	Operating Expenses	\$22,491,681	\$22,491,681	\$21,311,118	\$21,311,118	\$21,311,118	\$21,311,118		
6	Deemed Interest Expense	\$4,864,378	\$4,864,378	\$4,266,669	\$4,266,669	\$4,266,669	\$4,266,669		
8	Total Cost and Expenses	\$27,356,059	\$27,356,059	\$25,577,788	\$25,577,788	\$25,577,788	\$25,577,788		
9	Utility Income Before Income Taxes	\$2,878,461	\$6,963,369	\$4,890,202	\$6,257,737	\$4,890,202	\$6,257,737		
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$2,652,036)	(\$2,652,036)	(\$2,893,294)	(\$2,893,294)	(\$2,893,294)	(\$2,893,294)		
11	Taxable Income	\$226,426	\$4,311,333	\$1,996,908	\$3,364,443	\$1,996,908	\$3,364,443		
12 13	Income Tax Rate Income Tax on Taxable	25.47% \$57,679	25.47% \$1,098,253	26.50% \$529,181	26.50% \$891,577	26.50% \$529,181	26.50% \$891,577		
	Income								
14 15	Income Tax Credits Utility Net Income	(\$197,000) \$3,017,783	(\$197,000) \$6,062,116	(\$199,000) \$4,560,022	(\$199,000) \$5,565,160	(\$199,000) \$4,560,022	(\$199,000) \$5,565,160		
13	otinty Not income	ψ5,017,765	ψ0,002,110	ψ4,300,022	\$5,505,100	ψ4,500,022	\$3,303,100		
16	Utility Rate Base	\$162,960,102	\$162,960,102	\$151,391,730	\$151,391,730	\$151,391,730	\$151,391,730		
17	Deemed Equity Portion of Rate Base	\$65,184,041	\$65,184,041	\$60,556,692	\$60,556,692	\$60,556,692	\$60,556,692		
18	Income/(Equity Portion of Rate Base)	4.63%	9.30%	7.53%	9.19%	7.53%	9.19%		
19	Target Return - Equity on Rate Base	9.30%	9.30%	9.19%	9.19%	9.19%	9.19%		
20	Deficiency/Sufficiency in Return on Equity	-4.67%	0.00%	-1.66%	0.00%	-1.66%	0.00%		
21	Indicated Rate of Return	4.84%	6.71%	5.83%	6.49%	5.83%	6.49%		
22	Requested Rate of Return on Rate Base	6.71%	6.71%	6.49%	6.49%	6.49%	6.49%		
23	Deficiency/Sufficiency in Rate of Return	-1.87%	0.00%	-0.66%	0.00%	-0.66%	0.00%		
24 25 26	Target Return on Equity Revenue Deficiency/(Sufficiency) Gross Revenue Deficiency/(Sufficiency)	\$6,062,116 \$3,044,333 \$4,084,908 (1)	\$6,062,116 \$ -	\$5,565,160 \$1,005,138 \$1,367,535 (1)	\$5,565,160 \$ -	\$5,565,160 \$1,005,138 \$1,367,535 (1)	\$5,565,160 \$ -		

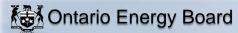
Notes:

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



Revenue Requirement

Line No.	Particulars	Application		Application Update		Per Board Decision	
1 2	OM&A Expenses Amortization/Depreciation	\$16,404,861 \$5,751,746		\$15,230,861 \$5,745,184		\$15,230,861 \$5,745,184	
3	Property Taxes	\$335,074		\$335,074		\$335,074	
5	Income Taxes (Grossed up)	\$901,253		\$692,577		\$692,577	
6	Other Expenses	\$ -		* /-		+ ,-	
7	Return	·					
	Deemed Interest Expense	\$4,864,378		\$4,266,669		\$4,266,669	
	Return on Deemed Equity	\$6,062,116		\$5,565,160		\$5,565,160	
8	Service Revenue Requirement						
	(before Revenues)	\$34,319,428		\$31,835,525		\$31,835,525	
9	Revenue Offsets	\$2,207,201		\$2,307,201		\$2,307,201	
10	Base Revenue Requirement	\$32,112,227		\$29,528,324		\$29,528,324	
	(excluding Tranformer Owership Allowance credit adjustment)						
11	Distribution revenue	\$32,112,227		\$29,528,324		\$29,528,324	
12	Other revenue	\$2,207,201		\$2,307,201		\$2,307,201	
13	Total revenue	\$34,319,428		\$31,835,525		\$31,835,525	
14	Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)	<u> </u>	(1)	<u> </u>	(1)	\$-	(1)
Notes (1)	Line 11 - Line 8						



Tracking Form

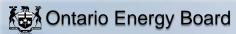
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(1) Short reference to evidence material (interrogatory response, undertaking, exhibit number, Board Decision, Code, Guideline, Report of the Board, etc.)

60 Tracking Rows have been provided below. If you require more, please contact Industry Relations @ IndustryRelations @ontarioenergyboard.ca.

			Cost of	Capital	Rate Bas	e and Capital Exp	enditures	Ор	erating Expense	es	Revenue Requirement			
	Reference ⁽¹⁾	Item / Description ⁽²⁾	Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Requirement Rev Det	ossed up evenue eficiency / ufficiency
		Original Application	\$ 10,926,494	6.71%	\$ 162,960,102	\$ 223,870,940	\$ 29,103,222	\$ 5,751,746	\$ 901,253	\$ 16,404,861	\$ 34,319,428	\$ 2,207,201	\$ 32,112,227 \$	4,084,908
1	IR: 2-Energy Probe-16	WCA change from 13% to 7.5% - Lead-Lag Study Change	\$ 10,926,494 \$ -	6.71% 0.00%	. , ,	\$ 223,870,940 \$ -	\$ 16,790,321 -\$ 12,312,902		\$ 736,809 -\$ 164,444	\$ 16,404,861 \$ -	\$ 33,329,403 -\$ 990,025	\$ 2,207,201 \$ -	\$ 31,122,202 \$ -\$ 990,025 -\$	
2	IR: 2-Energy Probe-17	RPP and HOEP update to reflect the RPP Report dated April 20,2015, the HO Sub-transmission and Low Voltage rates (EB-2013-0416)	\$ 10,115,699	6.71%	\$ 150,867,729	\$ 226,811,319	\$ 17,010,849	\$ 5,751,746	\$ 739,753	\$ 16,404,861	\$ 33,347,132	\$ 2,207,201	\$ 31,139,932 \$	3,112,612
		Change	-\$ 810,795	0.00%	\$ 220,528	\$ 2,940,379	\$ 220,528	\$ -	\$ 2,943	\$ -	\$ 17,730	\$ -	\$ 17,730 \$	17,730
3	IR: 4-Energy Probe-52-a)	CCA 2015 opening balance updated to reflect 2014 year actual	\$ 10,115,699	6.71%	\$ 150,867,729	\$ 226,811,319	\$ 17,010,849	\$ 5,751,746	\$ 726,204	\$ 16,404,861	\$ 33,333,583	\$ 2,207,201	\$ 31,126,383 \$	3,099,063
		Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	-\$ 13,549	\$ -	-\$ 13,549	\$ -	-\$ 13,549 -\$	13,549
	IR: 4-Energy Probe-50-a		\$ 10,115,699		. , ,	\$ 226,811,319	\$ 17,010,849	\$ 5,751,746	\$ 633,726	\$ 16,404,861	\$ 33,241,106	\$ 2,207,201		-,,
	and b), 4-Energy Probe-49,	Change	Ъ -	0.00%	\$ -	\$ -	5 -	-	-\$ 92,477	5 -	-\$ 92,477	5 -	-\$ 92,477 -\$	92,477
	IR: 2-Energy Probe-10- a),b),c) and 4-Energy Probe		\$ 10,115,699 \$ -	6.71% 0.00%		\$ 226,811,319 \$ -	\$ 17,010,849 \$ -	\$ 5,751,746 \$ -	\$ 621,542 -\$ 12,184	\$ 16,404,861 \$ -	\$ 33,228,922 -\$ 12,184	\$ 2,207,201 \$ -	\$ 31,021,721 \$ -\$ 12,184 -\$	2,994,401 12,184
6	IR: 4-Energy Probe-50-d)	Correction of 2015 CCA class from class 50 to class 47 Change	\$ 10,115,699 \$ -	6.71% 0.00%	\$ 150,867,729 \$ -	\$ 226,811,319 \$ -	\$ 17,010,849 \$ -	\$ 5,751,746 \$ -	\$ 646,696 \$ 25,154	\$ 16,404,861 \$ -	\$ 33,254,076 \$ 25,154	\$ 2,207,201 \$ -	\$ 31,046,875 \$ 25,154 \$	-,-:-,
7	IR: 4-Energy Probe-47	Removal of Small Business tax credit Change	\$ 10,115,699 \$ -	6.71% 0.00%	+,, -	\$ 226,811,319 \$ -	\$ 17,010,849 \$ -	\$ 5,751,746 \$ -	\$ 705,717 \$ 59,021	\$ 16,404,861 \$ -	\$ 33,313,097 \$ 59,021	\$ 2,207,201 \$ -	\$ 31,105,896 \$ 59,021 \$	3,078,577 59,021
8	IR: 4-Energy Probe-48-b) and c)	Revised Apprentice Tax calculation Change	\$ 10,115,699 \$ -	6.71% 0.00%		\$ 226,811,319 \$ -	\$ 17,010,849 \$ -	\$ 5,751,746 \$ -	\$ 749,255 \$ 43,537	\$ 16,404,861 \$ -	\$ 33,356,634 \$ 43,537	\$ 2,207,201 \$ -	\$ 31,149,434 \$ 43,537 \$	
9	IR: 4-Energy Probe-51-a)	Correction of 2016 CCA class from class 45 to class 50 Change	\$ 10,115,699 \$ -	6.71% 0.00%		\$ 226,811,319 \$ -	\$ 17,010,849 \$ -	\$ 5,751,746 \$ -	\$ 740,295 -\$ 8,960	\$ 16,404,861 \$ -	\$ 33,347,675 -\$ 8,960	\$ 2,207,201 \$ -	\$ 31,140,474 -\$ 8,960 -\$	3,113,154 8,960
10	IR: 4-Energy Probe-51-b)	Correction of 2016 CCA class from class 50 to class 47 Change	\$ 10,115,699 \$ -	6.71% 0.00%		\$ 226,811,319 \$ -	\$ 17,010,849 \$ -	\$ 5,751,746 \$ -	\$ 759,359 \$ 19,064	\$ 16,404,861 \$ -	\$ 33,366,739 \$ 19,064	\$ 2,207,201 \$ -	\$ 31,159,538 \$ \$ 19.064 \$	3,132,218 19.064
11	IR: 1-Energy Probe-3-e)	J	\$ 10,115,699			\$ 226,811,319	\$ 17,010,849	\$ 5,751,746	,	\$ 16,404,861	,	\$ 2,307,201	\$ 31,059,538 \$	-,

⁽²⁾ Short description of change, issue, etc.



Tracking Form

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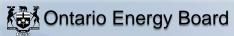
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60 Tracking Rows have been provided below. If you require more, please contact Industry Relations @ IndustryRelations @ontarioenergyboard.ca.

		Cost of	Capital	Rate Bas	e and Capital Exp	enditures	Oį	perating Expens	es	Revenue Requirement			
Reference (1)	Item / Description ⁽²⁾	Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Base Revenue Requirement	Grossed up Revenue Deficiency / Sufficiency
	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	-\$ 100,000	-\$ 100,000
2 JT1.12	Correction of Global Adjustment to reflect the RPP Report dated April 20,2015, the HO Sub-transmission and Low Voltage rates (EB-2013-0416)	\$ 10,161,704	6.71%	\$ 151,553,848	\$ 235,959,576	\$ 17,696,968	\$ 5,751,746	\$ 768,561	\$ 16,404,861	\$ 33,421,945	\$ 2,307,201	\$ 31,114,745	\$ 3,087,425
	Change	\$ 46,004	0.00%	\$ 686,119	\$ 9,148,257	\$ 686,119	\$ 0	\$ 9,202	\$ -	\$ 55,207	\$ -	\$ 55,207	\$ 55,207
3 JT1.11	Correction of the allocated depreciation in OM&A Change	\$ 10,163,434 \$ 1,730	6.71% 0.00%		\$ 236,303,668 \$ 344,092			\$ 768,907 \$ 346		\$ 33,424,022 \$ 2,076		\$ 31,116,821 \$ 2,076	
4 2-SEC-19	Removal of Zigbee chip cost of (gross asset \$35,525 and depreciation \$9,473) recovered from the OPA	\$ 10,161,687		, ,	\$ 236,303,668	\$ 17,722,775	\$ 5,751,746		\$ 16,404,861		, ,	\$ 31,114,725	
	Change	-\$ 1,747	0.00%	-\$ 26,052	\$ -	\$ -	-	-\$ 349	\$ -	-\$ 2,096	\$ -	-\$ 2,096	-\$ 2,096
5 Settlement	Load Forecast changed by +14 GWh; Transformer Allowance changed to \$64,558 (8-Staff-58-b-iii)	\$ 10,170,229	6.71%	\$ 151,680,999	\$ 238,002,275	\$ 17,850,171	\$ 5,751,746	\$ 770,267	\$ 16,404,861	\$ 33,432,176	\$ 2,307,201	\$ 31,124,975	\$ 2,964,187
	Change	\$ 8,542	0.00%	\$ 127,396	\$ 1,698,607	\$ 127,396	\$ -	\$ 1,709	\$ -	\$ 10,251	\$ -	\$ 10,251	-\$ 123,219
6 Settlement	\$500K gross asset (acc. 1808) and corresponding depreciation of \$5K for the new expansion of the building moved from 2015 FA Continuity Schedule to 2016 FA Cont. Schedule	\$ 10,153,969	6.71%	\$ 151,438,499	\$ 238,002,275	\$ 17,850,171	\$ 5,746,746	\$ 765,211	\$ 16,404,861	\$ 33,405,861	\$ 2,307,201	\$ 31,098,661	\$ 2,937,872
	Change	-\$ 16,260	0.00%	-\$ 242,500	\$ -	\$ -	-\$ 5,000	-\$ 5,055	\$ -	-\$ 26,315	\$ -	-\$ 26,315	-\$ 26,315
7 Settlement	Adjustment of \$2,368.32 to 1860 depreciation for Zigbee Chip recovery	\$ 10,154,049	6.71%	\$ 151,439,683	\$ 238,002,275	\$ 17,850,171	\$ 5,744,378	\$ 764,373	\$ 16,404,861	\$ 33,402,734	\$ 2,307,201	\$ 31,095,534	\$ 2,934,745
	Change	\$ 79	0.00%	\$ 1,184	\$ -	\$ -	-\$ 2,368	-\$ 838	\$ -	-\$ 3,127	\$ -	-\$ 3,127	-\$ 3,127
8 Settlement	Adjustment to apprentices tax credits following the settlement	\$ 10,154,049	6.71%	\$ 151,439,683	\$ 238,002,275	\$ 17,850,171	\$ 5,744,378	\$ 718,115	\$ 16,404,861	\$ 33,356,476	\$ 2,307,201	\$ 31,049,275	\$ 2,888,486
	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	-\$ 46,259	\$ -	-\$ 46,259	\$ -	-\$ 46,259	-\$ 46,259

⁽¹⁾ Short reference to evidence material (interrogatory response, undertaking, exhibit number, Board Decision, Code, Guideline, Report of the Board, etc.)

⁽²⁾ Short description of change, issue, etc.



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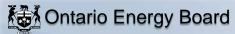
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Γ				Cost of	Capital		Rate Base	e and Capital Exp	enc	ditures	Оре	eratii	ng Expense	s		Revenue Requirement Service Other Base Revenue Grossed up					
F	Reference ⁽¹⁾	Item / Description ⁽²⁾	Re	egulated eturn on Capital	Regulated Rate of Return	R	Rate Base	Working Capital		orking Capital Ilowance (\$)	mortization / Depreciation	Та	axes/PILs		OM&A	Re	ervice evenue uirement	Other evenues		equirement	
19	Settlement	OPEB adjustment dissalowed portion of \$443K Change	\$ 1 -\$	10,151,821 2,228	6.71% 0.00%		151,406,458 33,225	\$ 237,559,275 -\$ 443,000		17,816,946 33,225	5,744,378 -	\$,	\$ -\$	15,961,861 443,000		2,910,803 445,673	\$ 2,307,201	\$ -\$	30,603,602 445,673	\$ 2,442,813 -\$ 445,673
20	Settlement	OPEB adjustment reallocation to capital of \$81K Change	\$ 1 \$	10,154,102 2,281	6.71% 0.00%		151,440,480 34,022	\$ 237,478,275 -\$ 81,000		17,810,871 6,075	5,745,184 806		,	\$ -\$	15,880,861 81,000		2,832,469 78,334	\$ 2,307,201	\$ -\$	30,525,268 78,334	\$ 2,364,479 -\$ 78,334
21	Settlement	OM&A adjustment Change	\$ 1 -\$	10,150,834 3,269	6.71% 0.00%		151,391,730 48,750	\$ 236,828,275 -\$ 650,000		17,762,121 48,750	5,745,184 -	\$ -\$		\$ -\$	15,230,861 650,000		2,178,546 653,923	\$ 2,307,201	\$ -\$	29,871,345 653,923	
22		Change in Long Term Debt Rate from 5.18% to 5.13% to reflect the LTD date changed from June 1, 2016 to January 1, 2016	\$ 1	10,114,410				\$ 236,828,275	\$	17,762,121	5,745,184	\$	716,594	\$	15,230,861	\$ 32		2,307,201	\$		\$ 1,674,133
		Change	-\$	36,423	-0.02%	\$	-	\$ -	\$	-	\$ -	\$	-	\$	-	-\$	36,423	\$ -	-\$	36,423	-\$ 36,423
23	Settlement	Changed the Long Term Debt to 4.50% to reflect the Settlement	\$ 1	10,020,819			151,391,730	\$ 236,828,275	\$	17,762,121	\$ 5,745,184	\$	716,594	\$	15,230,861	\$ 32		2,307,201	\$		\$ 1,580,542
		Change	-\$	93,591	-0.06%	\$	-	\$ -	\$	-	\$ =	\$	-	\$	-	-\$	93,591	\$ -	-\$	93,591	-\$ 93,591
24		Changed the Long Term Debt to 4.1546% to reflect the Settlement; changed the ROE to 9.19% and the Deemed ST Debt rate to 1.65% to reflect the OBE's Cost of Capital Parameters	\$	9,831,829	6.49%	\$ 1	151,391,730	\$ 236,828,275	\$	17,762,121	\$ 5,745,184	\$	692,577	\$	15,230,861	\$ 3	1,835,525	\$ 2,307,201	\$	29,528,324	\$ 1,367,535
		Change	-\$	188,990	-0.12%	\$	-	\$ -	\$	-	\$ -	-\$	24,017	\$	-	-\$	213,007	\$ -	-\$	213,007	-\$ 213,007
25		Change																			
26																					
		Change																			
27		Change																			
28		Change																			
29																					
		Change																			

⁽²⁾ Short description of change, issue, etc.



Tracking Form

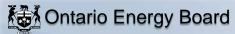
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			Cost of	Capital	Rate Bas	e and Capital Exp	enditures	Оре	erating Expense	es		Revenue R	equirement	
	Reference ⁽¹⁾	Item / Description ⁽²⁾	Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Base Revenue Requirement	
30		Change												
31		Change												
32		Change												
33		Change												
34		Change												
35		Change												
36		Change												

⁽²⁾ Short description of change, issue, etc.



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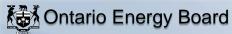
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(interrogatory response, undertaking, exhibit number, Board Decision, Code, Guideline, Report of the Board, etc.)

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			Cost of			e and Capital Exp			erating Expense		Revenue Requirement			
F	Reference ⁽¹⁾	Item / Description ⁽²⁾	Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Base Revenue Requirement	
37		Change												
38		Change												
39		Change												
40		Change												
41		Change												
43		Change												
44		Change												
45		Change												
46		Change Change												
47		Change												
48		Change												
49		Change												

⁽²⁾ Short description of change, issue, etc.



Tracking Form

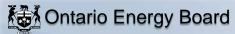
The last row shown is the most current estimate of the cost of service data reflecting the original application and any updates provided by the applicant distributor (for updated evidence, responses to interrogatories, undertakings, etc.)
Please ensure a Reference (Column B) and/or Item Description (Column C) is entered. Please note that unused rows will automatically be hidden and the PRINT AREA set when the PRINT BUTTON on Sheet 1 is activated.

(1) Short reference to evidence material (interrogatory response, undertaking, exhibit number, Board Decision, Code, Guideline, Report of the Board, etc.)

(2) Short description of change, issue, etc.

60 Tracking Rows have been provided below. If you require more, please contact Industry Relations @ IndustryRelations @ontarioenergyboard.ca.

		Cost of	Capital	Rate Bas	se and Capital Exp	enditures	Ope	erating Expense	es		Revenue R	Requirement	
Reference (1)	Item / Description ⁽²⁾	Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues		
50	Change												
51	Change												
52	Change												
53	Change												



Tracking Form

The last row shown is the most current estimate of the cost of service data reflecting the original application and any updates provided by the applicant distributor (for updated evidence, responses to interrogatories, undertakings, etc.)
Please ensure a Reference (Column B) and/or Item Description (Column C) is entered. Please note that unused rows will automatically be hidden and the PRINT AREA set when the PRINT BUTTON on Sheet 1 is activated.

(1) Short reference to evidence material (interrogatory response, undertaking, exhibit number, Board Decision, Code, Guideline, Report of the Board, etc.)

(2) Short description of change, issue, etc.

60 Tracking Rows have been provided below. If you require more, please contact Industry Relations @ IndustryRelations @ontarioenergyboard.ca.

			Cost of	Capital	Rate Bas	e and Capital Exp	enditures	Оре	erating Expense	es		Revenue R	equirement	
	Reference ⁽¹⁾	Item / Description ⁽²⁾	Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues		
54		Change												
55		Change												
56		Change												
57		Change												
58		Change												
59		Change												
60		Change												

Guelph Hydro Electric Systems Inc. EB-2018-0036 Application Appendix 7 Filed: August 9, 2018

Appendix 7 Guelph Global Adjustment Analysis Work Form

(Presented in PDF and Excel format)



GA Analysis Workform

Version 1.0

	Input cells Drop down cells		
		Utility Name	GUELPH HYDRO ELECTRIC SYSTEMS INC.
Note 1	Year(s) Requested for Disposition		□ 2014
			□ 2015
			□ 2016
			☑ 2017

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

							Unresolved
		Net Change in	Reconciling Items	Adjusted Net Change in		\$ Consumption at	Difference as % of
	Annual Net Change in Expected GA Balance from GA Analysis (cell	Principal Balance in the	(sum of cells C63 to	Principal Balance in the	Unresolved	Actual Rate Paid	Expected GA
Year	K51)	GL (cell C62)	C75)	GL (cell C76)	Difference	(cell J51)	Payments to IESO
2014	\$	\$ -	\$ -	-	\$ -	\$ -	0.0%
2015	\$	\$ -	\$ -	-	\$ -	\$ -	0.0%
2016	\$	\$ -	\$ -	-	\$ -	\$ -	0.0%
2017	\$ 965,204	\$ 2,918,422	-\$ 1,670,071	\$ 1,248,351	\$ 283,147	\$ 56,931,768	0.5%
Cumulative Balance	\$ 965,204	\$ 2,918,422	-\$ 1,670,071	\$ 1,248,351	\$ 283,147	\$ 56,931,768	N/A



GA Analysis Workform

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

Year		2017		
Total Metered excluding WMP	C = A+B	1,595,971,298	kWh	100%
RPP	А	477,444,083	kWh	29.9%
Non RPP	B = D+E	1,118,527,215	kWh	70.1%
Non-RPP Class A	D	562,293,628	kWh	35.2%
Non-RPP Class B*	E	556,233,587	kWh	34.9%

^{*}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 GA Rate used for unbilled revenue is the same as the one used for billed revenue in any paticular month

Note 4 Analysis of Expected GA Amount

Analysis of Expected OA Amount									
Year	2017								
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous 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	Н	I = F-G+H	J	K = I*J	L	M = I*L	=M-K
January	57,439,867	55,089,872	21,557,106	23,907,101	0.06687	\$ 1,598,668	0.08227	\$ 1,966,837	\$ 368,169
February	65,438,060	21,557,106	49,432,203	93,313,157	0.10559	\$ 9,852,936	0.08639	\$ 8,061,324	-\$ 1,791,613
March	63,950,795	49,432,203	55,169,529	69,688,121	0.08409	\$ 5,860,074	0.07135	\$ 4,972,247	-\$ 887,827
April	62,284,324	55,169,529	51,858,733	58,973,529	0.06874	\$ 4,053,840	0.10778	\$ 6,356,167	\$ 2,302,327
May	61,967,483	51,858,733	51,313,500	61,422,249	0.10623	\$ 6,524,885	0.12307	\$ 7,559,236	\$ 1,034,351
June	60,246,187	51,313,500	52,121,934	61,054,621	0.11954	\$ 7,298,469	0.11848	\$ 7,233,752	-\$ 64,718
July	63,062,218	52,121,934	56,095,689	67,035,973	0.10652	\$ 7,140,672	0.11280	\$ 7,561,658	\$ 420,986
August	32,527,919	56,095,689	22,192,396	- 1,375,373	0.11500	-\$ 158,168	0.10109	-\$ 139,036	\$ 19,131
September	29,044,789	22,192,396	21,609,279	28,461,672	0.12739	\$ 3,625,732	0.08864	\$ 2,522,843	-\$ 1,102,890
October	30,900,973	21,609,279	23,017,086	32,308,780	0.10212	\$ 3,299,373	0.12563	\$ 4,058,952	\$ 759,579
November	31,321,023	23,017,086	21,565,937	29,869,874	0.11164	\$ 3,334,673	0.09704	\$ 2,898,573	-\$ 436,100
December	30,584,179	21,565,937	33,115,105	42,133,346	0.08391	\$ 3,535,409	0.09207	\$ 3,879,217	\$ 343,808
Net Change in Expected GA Balance in the Year (i.e.									
Transactions in the Year)	588,767,816	481,023,264	459,048,497	566,793,049		\$ 55,966,564		\$ 56,931,768	\$ 965,204

Calculated Loss Factor

1.0190

Note 5 Reconciling Items

	Item	Amount	Explanation
Net Char	ge in Principal Balance in the GL (i.e. Transactions in the		
	Year)	2,918,422	
	True-up of GA Charges based on Actual Non-RPP Volumes -		RPP true-up was done quarterly and Q4 2016 was included in the 1589 balance disposed in 2018 IRM (see Tab
1a	prior year	-\$ 54,994	"3.RPP True-up")
	True-up of GA Charges based on Actual Non-RPP Volumes -		
1b	current year	-\$ 145,888	RPP true-up was done monthly and Dec 2017 was not included in the 1589 balance (see Tab "3.RPP True-up")
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		
	Add difference between current year accrual/forecast to		
3b	actual from long term load transfers		
4	Remove GA balances pertaining to Class A customers Significant prior period billing adjustments recorded in current		
5	year		
	Differences in GA IESO posted rate and rate charged on IESO invoice	-\$ 534,558	Please see Tab "4.IESO Invoice Analysis"
	Differences in actual system losses and billed TLFs		
	Others as justified by distributor		
	Billed GA differences	-\$ 896,689	The billing cycle is not on a calendar month for most customers; our billing system uses a weighted average daily
10	Unbilled revenue differences	-\$ 37,942	For RPP accounts with retailer contract, the unbilled revenue was calculated based on historical weighted average
Note 6	Adjusted Net Change in Principal Balance in the GL	\$ 1,248,351	
	Net Change in Expected GA Balance in the Year Per Analysis	\$ 965,204	
	Unresolved Difference	•	
	Unresolved Difference as % of Expected GA Payments to	\$ 283,147	
	IESO	0.5%	

Guelph Hydro Electric Systems Inc. EB-2018-0036 Application Appendix 7 Filed: August 9, 2018

Guelph Global Adjustment Analysis - Reconciling Items

2017 Global Adjustment Analysis

Input cells				_
Allocation Method for Class B RSVA-Global Adjustment.				i
IRM Total Metered	1,595,971,298	kWh	100%	remove wmp
IRM RPP	471,809,093	kWh	29.6%	i
IRM Non RPP	1,124,162,205	kWh	70.4%	remove WMP
IRM Class A	562,293,628	kWh	35.2%	i
IRM Net Class B	561,868,577	kWh	35.2%	i

					Class B (Non RPP an	d Non Class A) F	RSVA GA Analysis	s - Allocation Method			
Billed Class B Non					UBR true-up	First Estimate					
RPP Spot	Actual Month	Previous Month	UBR trued-up	kWh True-up		GA Rate	Actual GA Rate	Retail - Final	Class B Non-RPP	Class B Non-RPP	Est. Variance
kWh *	Unbilled kWh	Unbilled kWh	kWh		\$	\$/kWh	\$/kWh	\$/kWh	@ 1st Estimate GA	@ Actual GA	Retail less Final
A	В	С	D=B-C	E=A+B-C	F	G	Н	I=G-H	J=E x G	К=ЕхН	L=K-J
7 57,439,867	21,557,106	55,089,872	(33,532,766)	23,907,101	(\$3,181,068)	\$0.06687	\$0.08227	(\$0.01540)	\$1,598,668	\$1,966,837	\$368,16
7 65,438,060	49,432,203	21,557,106	27,875,097	93,313,157	\$3,778,023	\$0.10559	\$0.08639	\$0.01920	\$9,852,936	\$8,061,324	(\$1,791,61
7 63,950,795	55,169,529	49,432,203	5,737,326	69,688,121	(\$580,341)	\$0.08409	\$0.07135	\$0.01274	\$5,860,074	\$4,972,247	(\$887,82
7 62,284,324	51,858,733	55,169,529	(3,310,795)	58,973,529	(\$1,074,436)	\$0.06874	\$0.10778	(\$0.03904)	\$4,053,840	\$6,356,167	\$2,302,32
7 61,967,483	51,313,500	51,858,733	(545,234)	61,422,249	\$1,886,264	\$0.10623	\$0.12307	(\$0.01684)	\$6,524,885	\$7,559,236	\$1,034,35
7 60,246,187	52,121,934	51,313,500	808,434	61,054,621	\$779,623	\$0.11954	\$0.11848	\$0.00106	\$7,298,469	\$7,233,752	(\$64,71
7 63,062,218	56,095,689	52,121,934	3,973,755	67,035,973	(\$255,343)	\$0.10652	\$0.11280	(\$0.00628)	\$7,140,672	\$7,561,658	\$420,98
7 32,527,919	22,192,396	56,095,689	(33,903,292)	(1,375,373)	(\$3,423,187)	\$0.11500	\$0.10109	\$0.01391	(\$158,168)	(\$139,036)	\$19,13
7 29,044,789	21,609,279	22,192,396	(583,117)	28,461,672	\$200,680	\$0.12739	\$0.08864	\$0.03875	\$3,625,732	\$2,522,843	(\$1,102,89
7 30,900,973	23,017,086	21,609,279	1,407,807	32,308,780	(\$402,301)	\$0.10212	\$0.12563	(\$0.02351)	\$3,299,373	\$4,058,952	\$759,57
7 31,321,023	21,565,937	23,017,086	(1,451,149)	29,869,874	\$57,116	\$0.11164	\$0.09704	\$0.01460	\$3,334,673	\$2,898,573	(\$436,10
7 30,584,179	33,115,105	21,565,937	11,549,167	42,133,346	\$371,067	\$0.08391	\$0.09207	(\$0.00816)	\$3,535,409	\$3,879,217	\$343,80
588,767,816	459,048,497	481,023,264	(21,974,768)	566,793,049	(1,843,903)	\$0.09980	\$0.10055	(\$0.00075)	\$55,966,564	\$56,931,768	\$965,20
					-\$2,019,642			20	17 IRM Rate Continui	ty Schedule Amount	\$2,918,42
4.79%	Ď			0.88%	\$175,739.10					Difference	(\$1,953,21

Average Rate 1st estimate \$1,760,495.20 \$6,155,193 \$0.10716 \$0.06687 \$4,718,812 \$0.07211 \$0.10559 \$8,496,834.14 \$5,821,598.75 \$6,401,939 \$0.10011 \$0.08409 \$4,265,928.03 \$5,340,364 \$0.08574 \$0.06874 \$4,397,589 \$6,283,852.43 \$0.07097 \$0.10623 \$7,018,221.11 \$6,238,598 \$0.10355 \$0.11954 \$7,447,822 \$7,192,479.18 \$0.11810 \$0.10652 \$3,554,876 \$0.10929 \$0.11500 \$131,688.61 \$3,500,562.22 \$3,299,882 \$0.11361 \$0.12739 \$3,441,964.20 \$3,844,265 \$0.12441 \$0.10212 \$3,432,362.69 \$3,375,246 \$0.10776 \$0.11164 \$3,352,821 \$3,723,888.13 \$0.10963 \$0.08391 \$58,127,407

M=N+BxG-(CxH)at previous month N rate) Billed 1st estimate

\$55,069,874.70 \$896,689.38

(query)+UBR true-Query - Billed

Reconciling Items (\$1,670,071) Difference (\$283,147)

LDC's Materiality Threshold

		Estimated GA			Actual GA	
2016	Kwh submitted	Rate	Actual GA Rate	Estimated GA Amount	Amount	True-Up
October	40,845,801.13	\$0.11780	\$0.11226	\$4,811,635.37	\$4,585,349.64	-\$226,285.74
November	37,789,022.37	\$0.11500	\$0.11109	\$4,345,737.57	\$4,197,982.50	-\$147,755.08
December	38,163,452.10	\$0.07872	\$0.08708	\$3,004,226.95	\$3,323,273.41	\$319,046.46
Total	116,798,275.60			\$12,161,599.90	\$12,106,605.54	-\$54,994.36
						4

Included in the 2016 balance and disposed in 2018 IRM

-\$54,994.36 payment to IESO

			Estimated GA			Actual GA	
2017	Kwh submitted		Rate	Actual GA Rate	Estimated GA Amount	Amount	True-Up
January	46,009,323.42		\$0.08677	\$0.08227	\$3,992,228.99	\$3,785,187.04	-\$207,041.96
February	41,951,279.31		\$0.08430	\$0.08639	\$3,536,492.85	\$3,624,171.02	\$87,678.17
March	50,191,187.59		\$0.06886	\$0.07135	\$3,456,165.18	\$3,581,141.23	\$124,976.06
Total	138,151,790.32				\$10,984,887.02	\$10,990,499.29	\$5,612.28
		•	9		,		\$5,612,28

\$5,612.28 Payment from IESO

			Estimated GA			Actual GA		
2017	Kwh submitted		Rate	Actual GA Rate	Estimated GA Amount	Amount	True-Up	
April	35,981,326.34		\$0.10218	\$0.10778	\$3,676,571.93	\$3,878,067.35	\$201,495.43	Payment from IESO
May	42,862,231.72		\$0.12776	\$0.12307	\$5,476,078.72	\$5,275,054.86	-\$201,023.87	payment to IESO
June	34,873,658.48		\$0.12563	\$0.11848	\$4,381,177.71	\$4,131,831.06	-\$249,346.66	payment to IESO
Total	113,717,216.54				\$13,533,828.36	\$13,284,953.27	-\$248,875.10	
		•					-\$248.875.10	

			Estimated GA			Actual GA		
2017	Kwh submitted		Rate	Actual GA Rate	Estimated GA Amount	Amount	True-Up	
July	42,291,201.66		\$0.10197	\$0.11280	\$4,312,433.83	\$4,770,447.55	\$458,013.71	Payment from IESO
August	46,053,694.59		\$0.10476	\$0.10109	\$4,824,585.05	\$4,655,567.99	-\$169,017.06	payment to IESO
September	40,314,060.14		\$0.09895	\$0.08864	\$3,989,076.25	\$3,573,438.29	-\$415,637.96	payment to IESO
Total	128,658,956.39				\$13,126,095.13	\$12,999,453.82	-\$126,641.31	
•		•	*		•	•	-\$126,641.31	

2017	Kwh submitted	Actual UBR kWh	kWh Actual (accrued for UBR)	Estimated GA Rate	Actual GA Rate	Estimated GA Amount	Actual GA Amount	True-Up	
October	41,825,474.41			\$0.11973	\$0.12563	\$5,007,764.05	\$5,254,534.35	\$246,770.30	Payment from
November	39,696,378.06			\$0.09669	\$0.09704	\$3,838,242.79	\$3,852,136.53	\$13,893.73	Payment from
December	In blue table below								Payment from
Total	81,521,852.47					\$8,846,006.85	\$9,106,670.88	\$260,664.03	
			•		•	*		\$260 664 03	

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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		1 - 7 - 7	\$3,392,261.72	-\$188,879.52	payment to IESO
April	35,981,326.34	23,978,743.39	40,239,739.41	\$0.10218	\$0.10778	\$3,878,067.35	\$4,337,039.11	\$458,971.76	Payment from IESO
May	42,862,231.72	17,285,944.31	36,169,432.64	\$0.12776	\$0.12307	\$5,275,054.86	\$4,451,372.08	-\$823,682.78	payment to IESO
June	34,873,658.48	23,428,339.59	41,016,053.76	\$0.12563	\$0.11848	\$4,131,831.06	\$4,859,582.05	\$727,750.99	Payment from IESO
July	42,291,201.66	24,789,047.84	43,651,909.91	\$0.10197	\$0.11280	\$4,770,447.55	\$4,923,935.44	\$153,487.89	Payment from IESO
August	46,053,694.59	20,170,905.13	41,435,551.88	\$0.10476	\$0.10109	\$4,655,567.99	\$4,188,719.94	-\$466,848.05	payment to IESO
September	40,314,060.14	25,962,448.68	46,105,603.69	\$0.09895	\$0.08864	\$3,573,438.29	\$4,086,800.71	\$513,362.42	Payment from IESO
October	41,825,474.41	23,337,393.08	39,200,418.81	\$0.11973	\$0.12563	\$5,254,534.35	\$4,924,748.62	-\$329,785.74	payment to IESO
November	39,696,378.06	21,264,463.86	37,623,448.84	\$0.09669	\$0.09704	\$3,852,136.53	\$3,650,979.48	-\$201,157.05	payment to IESO
December	41,999,774.21	25,847,467.62	46,582,777.97	\$0.09669	\$0.09207	\$4,060,958.17	\$4,288,876.37	\$227,918.20	Payment from IESO
Total	458,040,266.51	248,152,639.34	457,636,229.89			\$50,442,535.43	\$50,588,423.04	\$145,887.61	
·			·		·	·		\$145,887.61	Payment from IESO

c_{α}	iroc

http://www.ieso.ca/en/sector-participants/settlements/global-adjustment-for-class-b

	2017 Class B GA Rate Comparison											
Month	IESO Invoice 148 Class B GA Rate (less embedded gen)	IESO Invoice 148 Class B GA Rate (incl. embedded gen)	IESO Actual GA Rate on website	Difference 1	Difference 2							
	Α	В	С	D = A - C	E = B - C							
Jan-17	0.08238	0.08228	0.08227	0.00011	0.00001							
Feb-17	0.08658	0.08639	0.08639	0.00019	0.00000							
Mar-17	0.07187	0.07135	0.07135	0.00052	0.00000							
Apr-17	0.10918	0.10779	0.10778	0.00140	0.00001							
May-17	0.12492	0.12305	0.12307	0.00185	-0.00002							
Jun-17	0.11818	0.11818	0.11848	-0.00030	-0.00030							
Jul-17	0.07001	0.06828	0.11280	-0.04279	-0.04452							
Aug-17	0.10362	0.10116	0.10109	0.00253	0.00007							
Sep-17	0.09127	0.08918	0.08864	0.00263	0.00054							
Oct-17	0.12888	0.12604	0.12563	0.00325	0.00041							
Nov-17	0.09874	0.09747	0.09704	0.00170	0.00043							
Dec-17	0.09273	0.09216	0.09207	0.00066	0.00009							

			Gu	ıel	ph Hydro STF	ice GA Calcula	ation			
Month	STPP 148 Detail		STPP 148 Adjustments	:	STPP Total 148	148 per IESO Invoice	148 Difference	STPP Class B + Embedded Generation [MWh]	IESO Invoice 148 Class B GA Rate	STPP 148 Class B GA Rate
	Α		В		C = A + B	D	E = D - C	F	G = D/F/1000	H = C/F/1000
Jan-17	\$ 9,419,115.44			\$	9,419,115.44	\$9,370,013.89	-\$49,101.55	113,873.69	0.08228	0.08272
Feb-17	\$ 8,684,680.21			\$	8,684,680.21	\$8,684,448.00	-\$232.21	100,524.74	0.08639	0.08639
Mar-17	\$ 7,951,786.89	-\$	807.12	\$	7,950,979.77	\$7,951,058.27	\$78.50	111,440.16	0.07135	0.07135
Apr-17	\$ 10,196,735.74	\$	111,666.66	\$	10,308,402.40	\$10,308,435.14	\$32.74	95,635.54	0.10779	0.10779
May-17	\$ 12,205,772.08	\$	86,854.33	\$	12,292,626.41	\$12,310,432.41	\$17,806.00	100,040.14	0.12305	0.12288
Jun-17	\$ 14,735,443.56	\$	1,347,940.55	\$	16,083,384.11	\$16,083,898.42	\$514.31	136,095.83	0.11818	0.11818
Jul-17		\$	216,312.22	\$	8,172,682.42	\$5,268,377.21	-\$2,904,305.21	77,162.18	0.06828	0.10592
Aug-17		-\$	26,250.73	\$	7,578,176.56	\$7,578,221.04	\$44.48		0.10116	0.10116
Sep-17	\$ 6,414,181.41	\$	207,910.13	\$	6,622,091.54	\$6,622,914.10	\$822.56	74,267.01	0.08918	0.08917
Oct-17	\$ 9,046,197.97	\$	197,259.25	\$	9,243,457.22	\$9,243,204.75	-\$252.47	73,335.24	0.12604	0.12604
Nov-17	\$ 7,178,241.81	\$	208,791.73	\$	7,387,033.54	\$7,388,919.99	\$1,886.45	75,808.77	0.09747	0.09744
Dec-17		\$	48,333.48	\$	7,684,878.74	\$7,685,017.01	\$138.27	83,391.77	0.09216	0.09215
	\$ 109,029,497.86	\$	2,398,010.50		\$111,427,508.36	\$108,494,940.23	-\$2,932,568.13			
	IESO Invoice vs. STPP				(\$534,557.63)					

IB IESO overbilled CT 148. IESO applied total of Class A + B MWh as Class B MWh. IESO forgot embedded generation MWh. Adjustments appear in July 2017 invoice. 22 \$2.904MM credit adjustment to reverse CT 148 errors from June 2017. Check June 30, 2017 STPF file.

Month	UBR UBR Customers vith Retailer UBR UBR Wh		GA 1st estimate	Re	BR Cust. With tailer kWh @ st estimate	[Difference			
	Α	В	С		D = B x C		E = A - D			
Dec-15	\$ 266,201.40	3,099,819.36	0.11462	\$	355,301.30	-\$	89,099.90			
Dec-16	\$ 354,514.83	2,988,225.27	0.10594	\$	316,572.59	\$	37,942.24			
Jan-17	\$ 166,262.60	1,818,502.86	0.06687	\$	121,603.29	\$	44,659.31			
Feb-17	\$ 199,013.62	2,634,252.45	0.10559	\$	278,150.72	-\$	79,137.10			
Mar-17	\$ 270,583.63	2,704,990.85	0.08409	\$	227,462.68	\$	43,120.95			
Apr-17	\$ 182,344.77	2,257,962.08	0.06874	\$	155,212.31	\$	27,132.46			
May-17	\$ 186,057.58	2,356,329.11	0.10623	\$	250,312.84	-\$	64,255.26			
Jun-17	\$ 237,866.27	2,166,004.68	0.11954	\$	258,924.20	-\$	21,057.93			
Jul-17	\$ 242,098.11	2,272,794.89	0.10652	\$	242,098.11	\$	-			
Aug-17			0.11500	\$	-	\$	-			
Sep-17			0.12739	\$	-	\$	-			
Oct-17			0.10212	\$	-	\$	-			
Nov-17			0.11164	\$	-	\$	-			
Dec-17			0.08391	\$	-	\$	-			

True-up @ True-up @ 1st average Estimate Diff.

2016 \$ 88,313.43 -\$ 38,728.71 \$ 127,042.14

2017 -\$ 354,514.83 -\$ 316,572.59 -\$ 37,942.24

Began using GA 1st estimate for July UBR.

Add: Dec 2017 \$ -Less: Dec 2016 \$ 37,942.24 -\$ 37,942.24

Guelph Hydro Electric Systems Inc. EB-2018-0036 Application Appendix 8 Filed: August 9, 2018

Appendix 8 Guelph 1595 Work Form

(Presented in PDF and Excel format)



1595 Analysis Workform

Version 1.0

Account 1595 Analysis Workform

Input cells Drop down cells			
	Utility Name	GUELPH HYDRO ELECTRIC SYSTEMS INC.	Utility name must be selected
1595 Rate Years Requested for Disposition		□ 2012	
		□ 2013	
		□ 2014	
		□ 2015	
		☑ 2016	



1595 Analysis Workform

Step	1
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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	-\$14,95	-\$388,015	-\$402,973	-\$396,105	-\$6,868	\$2,990	-\$3,878	1.7%	0
Account 1589 - Global Adjustment	\$3,283,59	\$31,085	\$3,314,676	\$2,610,970	\$703,706	\$28,704	\$732,410	21.2%	Calculated differences of greater than + or - 10% require further analys
Total Group 1 and Group 2 Balances	\$3,268,63	-\$356,930	\$2,911,703	\$2,214,865	\$696,838	\$31,694	\$728,533	23.9%	Calculated differences of greater than + or - 10% require further analys

^{*}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.

Step 2 Select Rate Rider(s) Applicable for 1595 Recovery Period

▼ RATE RIDER - GROUP 1 DVA ACCOUNTS (EXCLUDING GLOBAL ADJUSTMENT)

 \square rate rider - group 1 dva accounts (excluding global adjustment) - non-wmp

RATE RIDER - RSVA - GLOBAL ADJUSTMENT

☐ RATE RIDER - RSVA - GROUP 2 ACCOUNTS (If a separate Group 2 rate rider was created)

OTHER 1

OTHER 2

OTHER 3

RATE RIDER - GROUP 1 DVA ACCOUNTS (EXCLUDING GLOBAL ADJUSTMENT)

Rate Rider Recovery Period (Months)

12

Data used to calculate rate rider (Data to agree with Rate Generator Model and OEB Decision as applicable for the vintage year) versus actuals

Rate Class	Unit	Allocated Balance to Rate Class as Approved by OEB	Denominator Used in Rider Calculation as Approved by OEB		Projected Consumption over Recovery Period**	Billed Consumption (kWh/kW) that the rider was applied against	Forecasted versus billed Consumption Variance (kWh/kW)	Calculated Variance (\$)	Calculated Variance		Billed Consumption (kWh/kW) applied to Recovery Period**	DDD Variance	RRR variance (%)
RESIDENTIAL SERVICE CLASSIFICATION	kWh	\$11,427	386,643,528	\$0.0000	386,643,528	0	386,643,528	\$11,427	100.0%	372,118,500	372,118,500	372,118,500	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	(\$37,200)	152,157,763	(\$0.0002	152,157,763	137,100,036	15,057,727	(\$3,681)	9.9%	138,048,218	138,048,218	948,182	0.7%
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	(\$127,064)	1,034,289	(\$0.1229	1,034,289	1,067,049	-32,760	\$4,025	-3.2%	1,046,761	1,046,761	-20,289	-1.9%
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	(\$163,148)	1,196,727	(\$0.1363	1,196,727	1,120,074	76,653	(\$10,450)	6.4%	1,052,467	1,052,467	-67,607	-6.0%
LARGE USE SERVICE CLASSIFICATION	kW	(\$82,999)	499,880	(\$0.1660	499,880	473,554	26,326	(\$4,371)	5.3%	505,278	505,278	31,724	6.7%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	(\$632)	1,700,939	(\$0.0004	1,700,939	1,922,865	-221,926	\$82	-13.0%	1,915,482	1,915,482	-7,383	-0.4%
STANDBY POWER SERVICE CLASSIFICATION		\$0			0	0	0				0	0	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	(\$40)	60	(\$0.6580	60	51	9	(\$6)	15.6%	51	51	0	0.0%
STREET LIGHTING SERVICE CLASSIFICATION	kW	(\$3,349)	26,693	(\$0.1255	26,693	28,292	-1,599	\$201	-6.0%	28,337	28,337	44	0.2%
microFIT SERVICE CLASSIFICATION					0		0				0	0	
TOTAL		(\$403,005)						(\$2,774)	0.7%				

^{**}Projected consumption over the recovery period, and billed consumption per RRR filings are initially calculated on an annualized basis. If the recovery period spans more or less than 12 months, these figures are prorated or extrapolated accordingly.

***Data to agree with RRR filings, as applicable. Please refer to RRR Filing 2.1.5.4 to populate data.

RATE RIDER - RSVA - GLOBAL ADJUSTMENT Rate Rider Recovery Period (Months)

12

Data used to calculate rate rider (Data to agree with Rate Generator Model and OEB Decision as applicable for the vintage year) versus actuals

Rate Class	Unit	Allocated Balance to Rate Class as Approved by OEB	Denominator Used in Rider Calculation as Approved by OEB		Projected Consumption over Recovery Period**	Billed Consumption (kWh/kW) that the rider was applied against	Forecasted versus billed Consumption Variance (kWh/kW)	Calculated Variance (\$)	Calculated Variance (%)	Billed Consumption (kWh/kW) per RRR filings***	Billed Consumption (kWh/kW) applied to Recovery Period**	RRR Variance (kWh/kW)	RRR variance (%)
RESIDENTIAL SERVICE CLASSIFICATION	kWh	\$78,728	23,375,857	\$0.0034	23,375,857	16,787,587	6,588,270	\$22,189	28.2%	17,186,937	17,186,937	399,350	2.4%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	\$84,810	25,181,498	\$0.0034	25,181,498	21,120,409	4,061,089	\$13,677	16.1%	23,051,390	23,051,390	1,930,981	9.1%
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	\$1,218,296	948,747	\$1.2841	948,747	1,000,667	-51,921	(\$66,672)	-5.5%	980,851	980,851	-19,816	-2.0%
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	\$1,900,369	1,196,727	\$1.5880	1,196,727	722,208	474,519	\$753,524	39.7%	1,052,467	1,052,467	330,259	45.7%
LARGE USE SERVICE CLASSIFICATION	kW				0	0	0				0	0	i
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	\$39	11,440	\$0.0034	11,440	12,138	-699	(\$2)	-6.1%	12,096	12,096	-42	-0.3%
STANDBY POWER SERVICE CLASSIFICATION					0	0	0				0	0	i
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	\$7	6	\$1.2005	6	6	0	(\$0)	-3.5%	6	6	0	0.6%
STREET LIGHTING SERVICE CLASSIFICATION	kW	\$32,427	26,693	\$1.2148	26,693	28,292	-1,599	(\$1,943)	-6.0%	28,337	28,337	44	0.2%
microFIT SERVICE CLASSIFICATION					0		0				0	0	
TOTAL		\$3,314,676				_		\$720,773	21.7%				

^{**}Projected consumption over the recovery period, and billed consumption per RRR filings are initially calculated on an annualized basis. If the recovery period spans more or less than 12 months, these figures are prorated or extrapolated accordingly.

***Data to agree with RRR filings, as applicable. Please refer to RRR Filing 2.1.5.4 to populate data.

Note that RRR data is used in this workform as a reasonability check to benchmark against billed consumption over the recovery period. There may be differences due to unbilled revenue accruals, recovery period dates, or other factors. However, any substantial deviations between billed consumption that the rider was applied against and billed consumption reported in RRR can be an indicator of rider misallocations or errors in the data used in the workform.

Note that RRR data is used in this workform as a reasonability check to benchmark against billed consumption over the recovery period. There may be differences due to unbilled revenue accruals, recovery period dates, or other factors. However, any substantial deviations between billed consumption that the rider was applied against and billed consumption reported in RRR can be an indicator of rider misallocations or errors in the data used in the workform.

Other 1 - WMP - General Service 50 to 999kW Service Classification	
Rate Rider Recovery Period (Months)	12

Data used to calculate rate rider (Data to agree with Rate Generator Model and OEB Decision as applicable for the vintage year) versus actuals

Rate Class	Unit	Allocated Balance to Rate Class as Approved by OEB	Denominator Used in Rider Calculation as Approved by OEB		Projected Consumption over Recovery Period**	Billed Consumption (kWh/kW) that the rider was applied against	Forecasted versus billed Consumption Variance (kWh/kW)	Calculated Variance (\$)	Calculated Variance (%)		Billed Consumption (kWh/kW) applied to Recovery Period**		RRR variance (%)
RESIDENTIAL SERVICE CLASSIFICATION					0		0				0	0	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION					0		0				0	0	
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	\$62	12,315	\$0.0050	12,315	12,073	242	\$1	2.0%	11,865	11,865	-208	-1.7%
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION					0		0				0	0	
LARGE USE SERVICE CLASSIFICATION					0		0				0	0	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION					0		0				0	0	
STANDBY POWER SERVICE CLASSIFICATION					0		0				0	0	
SENTINEL LIGHTING SERVICE CLASSIFICATION					0		0				0	0	
STREET LIGHTING SERVICE CLASSIFICATION					0		0				0	0	
microFIT SERVICE CLASSIFICATION					0		0				0	0	
TOTAL		\$62						\$1	2.0%				

^{**}Projected consumption over the recovery period, and billed consumption per RRR filings are initially calculated on an annualized basis. If the recovery period spans more or less than 12 months, these figures are prorated or extrapolated accordingly.

***Data to agree with RRR filings, as applicable. Please refer to RRR Filing 2.1.5.4 to populate data.

any substantial deviations between billed consumption that the rider was applied against and billed consumption reported in RRR can be an indicator of rider misallocations or errors in the data used in the workform.

SUMMARY	
Total Calculated Account Balance	\$718,000
Total Account Residual Balance per Step 1 above	\$718,000 \$696,838
Unreconciled Differences****	\$21,162

^{****}Any unreconciled difference between amounts reported in the residual balances section in Step 1 and amounts calculated for the total of all applicable riders in Step 3 must be explained.

Additional Notes and Comments

Overall Notes:

The 2016 rate riders for DV&A as well as GA ran from January 1, 2016 to December 31, 2016, but were billed out and collected from January 2016 to March 2017 due to normal utility billing practices. As a result, the Billed Consumption applicable to rate rider revenue generation will not match/may be greatly varied from the RRR Billed Consumption reported for the calendar year.

Specific Variance Notes

For USL and Sentinel Lighting classes for Group 1 and Group 2, although the % variances are high, the \$ variances are very insignificant and do not warrant further investigation. Overall, the Group 1 and Group 2 net \$ variance is less than \$3K or less than 1% of the approved \$ which seems reasonable.

For GA rate rider table, the large variance is mainly caused by an under recovery of \$750K in GS 1000kW to 4999kW due to Class A transition Customers not billed GA Rate Rider (applicable to Class B customers only). Both Residential and GS < 50 customers had large % variances but low \$ variances due to lower consumption which was expected to be weather related and due to a reduction in the number of residential customers signed with retailers (403 fewer residential customers were with a retailer in 2016 compared to 2015). The GS 50 to 999kW class had a \$67K over recovery due to higher demand for the period which was only 5.5% above forecasted.

Note that RRR data is used in this workform as a reasonability check to benchmark against billed consumption over the recovery period. There may be differences due to unbilled revenue accruals, recovery period dates, or other factors. However,