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September 26, 2016

Ms. Kirsten Walli Board Secretary Ontario Energy Board PO Box 2319 2300 Yonge Street, 27th Floor Toronto, ON M4P 1E4

RE: 2017 IRM Rate Application EB-2016-0094

Dear Ms. Walli:

Niagara Peninsula Energy Inc. ("NPEI") hereby submits its 2017 Incentive Rate Mechanism ("IRM") Rate Application.

An electronic copy of the application and accompanying Excel files have been submitted to the Board through the RESS system. Two hard copies will be delivered to the OEB office by courier.

This document is being filed pursuant to the Board's e-filing service.

Please contact myself should anything further be required, I can be reached at 905-353-6004.

Yours truly, NIAGARA PENINSULA ENERGY INC.

Suzanne Wilson, CPA, CA Vice-President, Finance Niagara Peninsula Energy Inc. Suzanne.Wilson@npei.ca

NIAGARA PENINSULA ENERGY INC. APPLICATION FOR APPROVAL OF ELECTRICITY DISTRIBUTION RATES EFFECTIVE MAY 1, 2017 EB-2016-0094

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- B: Proposed Tariff of Rates and Charges Effective May 1, 2017
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- D: 2017 IRM Rate Generator Model
- E: OEB LRAMVA Work Form
- F: 2015 CDM Annual Verified Results Report provided by the IESO

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IN THE MATTER OF the Ontario Energy Board Act, 1998, being Schedule B to the Energy

Competition Act, 1998, S.O. 1998, c.15;

AND IN THE MATTER OF an Application by Niagara Peninsula Energy Inc. to the Ontario

Energy Board for an Order or Orders approving or fixing just and reasonable rates and other

service charges for the distribution of electricity as of May 1, 2017.

Title of Proceeding: An application by Niagara Peninsula Energy Inc. for an Order or Orders

approving or fixing just and reasonable distribution rates and other charges, effective May 1,

2017.

Applicant's Name: Niagara Peninsula Energy Inc.

Applicant's Address for Service: 7447 Pin Oak Drive

Box 120

Niagara Falls, Ontario L2E 6S9

Attention: Suzanne Wilson, VP Finance

Telephone: (905) 353-6004

Application

Introduction

The Applicant is Niagara Peninsula Energy Inc. (referred to in this Application as the "Applicant" or "NPEI"). The Applicant is a corporation incorporated pursuant to the Ontario Business Corporations Act with its head office in the City of Niagara Falls. The Applicant carries on the business of distributing electricity within the City of Niagara Falls, the Town of Lincoln, the Township of West Lincoln and the Town of Pelham. NPEI hereby applies to the Ontario Energy Board (the "OEB" or "Board") pursuant to Section 78 of the Ontario Energy Board Act, 1998 (the "OEB Act") for approval of its proposed adjustments to its distribution rates and other charges, effective May 1, 2017. NPEI followed Chapter 3 of the OEB's Filing Requirements for Electricity Transmission and Distribution Applications – 2016 Edition for 2017 Rate Applications, updated July 14, 2016 (the "Filing Requirements") in order to prepare this application.

Proposed Distribution Rates and Other Charges

The Schedules of Proposed Rates and Charges proposed in this Application are included as Appendix B.

Proposed Effective Date of Rate Order

NPEI requests that the OEB make its Rate Order effective May 1, 2017.

Relief Sought

NPEI applies for an Order or Orders approving the proposed distribution rates and other charges set out in Appendix B in this Application as just and reasonable rates and charges pursuant to Section 78 of the OEB Act, to be effective May 1, 2017, or as soon as possible thereafter; and NPEI requests that the existing rates be made interim commencing May 1, 2017 in the event that there is insufficient time for NPEI to prepare a draft rate order and the Board to issue a final Decision and Order in this application for the implementation of the proposed rates and charges as of May 1, 2017.

Form of Hearing Requested

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

Certification

As Vice-President, Finance I certify that, to the best of my knowledge, the evidence filed is accurate, consistent and complete.

All of which is respectfully submitted,

NIAGARA PENINSULA ENERGY INC.

Suzanne Wilson, CPA, CA

Vice-President, Finance

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Contact Information:

NIAGARA PENINSULA ENERGY INC. 7447 Pin Oak Drive Box 120 Niagara Falls, Ontario L2E 6S9

Suzanne Wilson, CPA, CA Vice-President, Finance

Telephone: (905) 353-6004 Facsimile: (905) 356-0118

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Manager's Summary

NPEI has adhered to Chapter 3 of the OEB's Filing Requirements for Electricity Transmission and Distribution Applications updated July 14, 2016 (the "Filing Requirements") in order to prepare this application. This Manager's Summary will address the following items:

- Price Cap Adjustment
- Deferral and Variance Account Balances
- ➤ Lost Revenue Adjustment Mechanism Variance Account
- Rate Design for Residential Electricity Customers
- ➤ Electricity Distribution Retail Transmission Service Rates

NPEI is not requesting approval for an Incremental Capital Module (ICM) or an Advanced Capital Module (ACM) claim in this application.

NPEI is not requesting a Z-factor claim in this application.

NPEI is not proposing any revenue-to-cost ratio adjustments in this application.

NPEI is not requesting Shared Tax Savings Rate Riders in this application. Section 3.2.7 of the Filing Requirements indicates that "OEB policy, as described in the OEB's 2008 report entitled Supplemental Report of the Board on 3rd Generation Incentive Regulation for Ontario's Distributors (the "Supplemental Report"), prescribes a 50/50 sharing of impacts of legislated tax changes from distributors' tax rates embedded in its OEB approved base rate known at the time of application." At the time of application, NPEI is not aware of any impacts of legislated tax changes from NPEI's current base rate, as approved in the 2015 COS Application (EB-2014-0096).

The application, as submitted, will affect all of NPEI's customers.

Proposed Adjustments

The changes proposed in this application will result in a total monthly bill decrease of (\$3.31) or -2.18% for a TOU Residential customer who uses 750 kWh per month and a total monthly bill increase of \$0.58 or 0.38% for a Non-TOU Residential customer who uses 750 kWh per month.

The changes proposed in this application will result in a total monthly bill decrease of (\$6.54) or -1.67% for a TOU General Service Less Than 50 kW customer who uses 2,000 kWh per month, and a total monthly bill increase of \$3.86 or 0.97% for a Non-TOU General Service Less Than 50 kW customer who uses 2,000 kWh per month.

A summary of total bill impacts by Rate Class are given in Table 1 below. Detailed bill impacts are included in Appendix D.

Table 1 – Total Bill Impacts Summary

			Total Monthly Bill Impact - RPP Customer			Total Monthly Bill Impact - Non - RPP Customer		
Rate Class	Typical Monthly Usage		\$	%		\$	%	
Residential	750 kWh/month							
Comparison to 2016		\$	(3.31)	-2.18%	\$	0.58	0.38%	
GS<50 kW	2,000 kWh/month							
Comparison to 2016		\$	(6.54)	-1.67%	\$	3.86	0.97%	
GS>50 kW	65,000 kWh/month 180 kW/month							
Comparison to 2016		\$	(221.46)	-2.00%	\$	116.41	1.04%	
USL	250 kWh/month							
Comparison to 2016		\$	(0.31)	-0.47%	\$	(0.31)	-0.47%	
Sentinel	44 kWh/month 0.12 kW/month							
Comparison to 2016		\$	0.39	1.32%	\$	0.61	2.12%	
Streetlighting	50 kWh/month 0.13 kW/month							
Comparison to 2016		\$	(0.13)	-1.30%	\$	0.13	1.31%	

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NPEI notes that none of the total monthly bill impacts for any rate class, based on typical

monthly usage, is greater than 10%. Section 3.2.3 of the Filing Requirements states: "Beyond

the issue of residential rate design specifically addressed in this section, distributors are

reminded that they must file a mitigation plan if total bill increases for any customer class

exceed 10%."

Based on the monthly bill impacts, as provided in Table 1, NPEI submits that no bill impact

mitigation plan is required.

Price Cap Index

In accordance with Section 3.2.1 of the Filing Requirements, NPEI has calculated a proxy price

cap adjustment of 1.8%. This is based on a price escalator of 2.1%, a Productivity Factor of

0.00% and a stretch factor of 0.3%, based on Stretch Factor Group III. NPEI acknowledges that

OEB staff will adjust NPEI's Rate Generator Model with the final 2017 price cap parameters

once determined by the OEB.

Group 1 Deferral and Variance Account Balances

Approved Deferral and Variance Account Rate Riders

In the Interim Rate Order for NPEI's 2015 COS Rate Application (EB-2014-0096) dated June

11, 2015, the Board approved Rate Riders for Deferral/Variance Account Disposition (2015) and

Global Adjustment Sub-Account Disposition (2015) (Applicable only to non-RPP customers)

over an 11 month period from June 1, 2015 to April 30, 2016.

In NPEI's 2016 IRM Rate Application (EB-2015-0090), NPEI calculated that the 2014 year-end

total balance for Group 1 accounts, including interest projected to April 30, 2016, was a debit of

\$105,677. This amount resulted in a total debit claim of \$0.0001 per kWh, which did not exceed

the preset disposition threshold. NPEI did not seek disposition of Group 1 account balances in

its 2016 IRM Application.

In the Decision and Order to EB-2015-0090/EB-2015-0328, issued March 17, 2016, the Board found that "no disposition of the Group 1 account balances is required at this time as the disposition threshold has not been exceeded."

Disposition of the Balances of Deferral and Variance Accounts

The Report of the Board on Electricity Distributor's Deferral and Variance Account Review Report (the "EDDVAR Report") provides that under the price cap IR or the Annual IR Index, the distributors Group 1 audited account balances will be reviewed and disposed if the preset disposition threshold of \$0.001 per kWh (debit or credit) is exceeded.

NPEI used its actual 2015 consumption data, as reported in the 2015 Annual RRR Filing, to calculate the disposition threshold. NPEI has confirmed the accuracy of the RRR data on Sheet 4. Billing Det. For Def-Var' of the 2017 IRM Rate Generator Model.

NPEI's Group 1 balances as of December 31, 2015, plus projected interest to April 30, 2017, amounts to a credit of (\$4,397,950). Upon completion of Sheets 3 and 4 of the 2017 IRM Rate Generator Model, NPEI has determined that the threshold of \$0.001 per kWh has been exceeded. Accordingly, NPEI requests disposition of the Group 1 total amount of (\$4,397,950) in this application.

Threshold Test from 2017 IRM Rate Generator Model

Threshold Test	
Total Claim (including Account 1568)	(\$3,901,016)
Total Claim for Threshold Test (All Group 1 Accounts)	(\$4,397,950)
Threshold Test (Total claim per kWh) ²	(\$0.0037)

The following Table 2 shows the account balances that are used in the Threshold Test calculation, based on audited balances as at December 31, 2015, plus projected carrying charges to April 30, 2017. Carrying charges were calculated using the most recent Board-approved prescribed interest rate of 1.1%.

Table 2 – Group 1 Variance Account Balances for Threshold Test

Account Description	Account No.	2015 Principal Balance (Adjusted for Disposition in 2016)	2015 Carrying Charge Balance (Adjusted for Disposition in 2016)	2015 Total Balance (Adjusted for Disposition in 2016)	Projected Carrying Charges Jan 1/16 to Apr 30/17	Total for Disposition
Group 1 Accounts						
LV Variance Account	1550	575,120	4,294	579,415	8,435	587,850
Smart Metering Entity Charge Variance	1551	(31,211)	(148)	(31,360)	(458)	(31,817)
RSVA - Wholesale Market Service Charge	1580	(3,079,200)	(19,802)	(3,099,002)	(45,162)	(3,144,164)
Variance WMS – Sub-account CBR Class A	1580	-	-	-	-	-
Variance WMS – Sub-account CBR Class B	1580	338,467	1,134	339,601	4,964	344,565
RSVA - Retail Transmission Network Charge	1584	322,287	14,596	336,883	4,727	341,610
RSVA - Retail Transmission Connection Charge	1586	(412,086)	12,085	(400,001)	(6,044)	(406,045)
RSVA - Power (excluding Global Adjustment)	1588	(4,637,793)	(88,633)	(4,726,426)	(68,021)	(4,794,447)
RSVA - Power - Sub-Account - Global Adjustment	1589	2,824,290	38,051	2,862,342	41,423	2,903,765
Disposition and Recovery/Refund of Regulatory Balances (2009)	1595	-	-	-	-	-
Disposition and Recovery/Refund of Regulatory Balances (2010)	1595	-	-	-	-	-
Disposition and Recovery/Refund of Regulatory Balances (2011)	1595	-	-	-	-	-
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595	-	-	-	-	-
Disposition and Recovery/Refund of Regulatory Balances (2013)	1595	-	-	-	-	-
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595	(1,596,498)	1,420,648	(175,851)	(23,415)	(199,266)
Total Group 1 Account Balances		(5,696,623)	1,382,224	(4,314,399)	(83,550)	(4,397,950)

Note: the balances of Account 1595 Sub-Account Disposition and Recovery/Refund of Regulatory Balances approved in 2015 have not been included in the Threshold Test, as these rate riders were in effect until April 30, 2016, and would therefore not be considered for disposition at this time.

The Continuity Schedule on Sheet 3 of the 2017 IRM Rate Generator Model provides a comparison of the balances of the accounts used in the Threshold Test in this application compared to the amounts filed in the 2015 RRR Trial Balance. This comparison is reproduced in Table 3 below.

Table 3 – Comparison of Account Balances to RRR Trial Balance

Account Description	Account	2015 Total Balance per Continuity Schedule	2015 Balances reported in RRR Trial Balance	Difference
Group 1 Accounts				
LV Variance Account	1550	579,415	579,415	-
Smart Metering Entity Charge Variance	1551	(31,360)	(31,360)	1
RSVA - Wholesale Market Service Charge	1580	(3,099,002)	(2,759,401)	(339,601)
Variance WMS – Sub-account CBR Class A	1580	-	-	-
Variance WMS – Sub-account CBR Class B	1580	339,601	-	339,601
RSVA - Retail Transmission Network Charge	1584	336,883	336,883	-
RSVA - Retail Transmission Connection Charge	1586	(400,001)	(400,001)	-
RSVA - Power (excluding Global Adjustment)	1588	(4,726,426)	(4,726,427)	1
RSVA - Power - Sub-Account - Global Adjustment	1589	2,862,342	2,862,342	-
Disposition and Recovery/Refund of Regulatory Balances (2009)	1595	-	-	-
Disposition and Recovery/Refund of Regulatory Balances (2010)	1595	0	-	-
Disposition and Recovery/Refund of Regulatory Balances (2011)	1595	0	-	-
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595	-	-	-
Disposition and Recovery/Refund of Regulatory Balances (2013)	1595	-	-	-
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595	(175,851)	(175,851)	-
Total Group 1 Account Balances		(4,314,399)	(4,314,400)	2

Section 3.2.5 of the Filing Requirements states: "Distributors must provide an explanation if the account balances on Tab 3. Continuity Schedule differ from the account balances in the trial balance reported through the RRR and audited financial statements and which have been reflected in the prepopulated rate generator model."

As show in Table 3, the only differences between NPEI's Continuity Schedule and RRR Trial Balance are offsetting differences between Account 1580 RSVA – Wholesale Market Services and Account 1580 Variance – WMS, Sub-account CBR Class B.

Capacity Based Response

On July 25, 2016, The Board issued a letter to All Licensed Distributors *RE: Accounting Guidance on Capacity Based Recovery (previously called Capacity Based Demand Response).*

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NPEI has recorded balances in Account 1580 Variance – WMS, Sub-account CBR Class B in accordance with the Board's letter. That is, before January 1, 2016, no revenue was collected from customers, since the CBR component was not embedded within the WMS rate in 2015. The amounts paid to the IESO for CBR for Class B customers for the consumption period from April 1, 2015 to December 31, 2015 have been recorded in 1580 Variance – WMS, Sub-account CBR Class B.

The balance of NPEI's 1580 Variance – WMS, Sub-account CBR Class B as at December 2015, including carrying charges, is \$339,601. However, in the 2015 RRR Trial Balance this amount was included in Account 1580 RSVA – Wholesale Market Services, resulting in the offsetting differences noted above.

NPEI has no Class A customers, and therefore has no balances recorded in Account 1580 Variance – WMS, Sub-account CBR Class A.

Global Adjustment

NPEI is requesting the disposition of Account 1589 RSVA – Global Adjustment in the amount of \$2,903,765, including projected carrying charges to April 30, 2017.

Section 3.2.5.2 of the Filing requirements states: "A distributor must also support their GA claims with a description of their settlement process with the IESO or host distributor. It must specify the GA rate it uses when billing its customers (1st estimate, 2nd estimate or actual) for each rate class, itemize its process for providing consumption estimates to the IESO, and describe the true-up process to reconcile estimates of RPP and non-RPP consumption once actuals are known. The description should detail the distributor's method for estimating RPP and non-RPP consumption, as well as its treatment of embedded generation or any embedded distribution customers."

NPEI bills its GS > 50 kW Non-RPP Class B customers monthly, based on a calendar month of consumption. These customers are all billed on the actual Global Adjustment ("GA") rate. NPEI has no class A customers. Retailer customers may be billed using either the 1st estimate or the actual GA rate, depending on NPEI's billing cycles.

When completing the RPP versus market price claim submitted monthly in the IESO portal, NPEI determines the RPP volumes using actual billed consumption from NPEI's Customer Information System ("CIS"). The actual GA rate and spot price that relate to the consumption period are utilized in the calculation of the RPP claim.

NPEI uses its CIS to produce credit bills to all of the embedded generation customers, based on actual metered data. The generation volumes from the CIS are submitted monthly in the IESO settlement portal.

Proposed Rate Riders

The total of all Group 1 accounts for disposition, including projected carrying charges to April 30, 2017, and excluding Global Adjustment, is a credit balance of (\$7,301,714).

Sheet 7. Calcuation of Def-Var RR of the 2017 IRM Rate Generator model calculates the proposed Deferral / Variance account rate riders, which are shown in Table 4 below.

Table 4 – Proposed Deferral / Variance Rate Riders

Rate Class	Allocated Deferral / Variance Balance (including Carrying Charges)	Metered kWh / kW	Proposed Rate Rider (per kWh or kW)	Volumetric Billing Determinant
Residential	(2,662,217)	424,304,413	(0.0063)	kWh
GS < 50 kW	(778,808)	125,782,373	(0.0062)	kWh
GS > 50 kW	(3,805,372)	1,640,396	(2.3198)	kW
Unmetered Scattered Load	(9,718)	1,583,365	(0.0061)	kWh
Sentinel Lights	(1,567)	672	(2.3316)	kW
Streetlighting	(44,032)	20,270	(2.1723)	kW
Total	(7,301,714)			

Sheet 6. GA Calculation of the 2017 IRM Rate Generator model calculates the proposed Global Adjustment rate riders, applicable to non-RPP customers only, as shown in Table 5 below.

Table 5 – Global Adjustment Rate Riders

	Allocated GA		
	Balance (including		Proposed Rate
Rate Class	Carrying Charges)	Non-RPP kWh	Rider (per kWh)
Residential	124,319	27,150,258	0.0046
GS < 50 kW	85,651	18,705,558	0.0046
GS > 50 kW	2,661,501	581,251,576	0.0046
Unmetered Scattered Load	-	-	
Sentinel Lights	103	22,409	0.0046
Streetlighting	32,191	7,030,180	0.0046
Total	2,903,765		

NPEI requests that the Deferral / Variance and Global Adjustment rate riders, included in Tables 4 and 5 above, be approved for a period of one year, beginning May 1, 2017.

Lost Revenue Adjustment Mechanism Variance Account

On November 16, 2015, NPEI filed a stand-alone application (EB-2015-0328) requesting disposition of its Lost Revenue Adjustment Mechanism Variance Account ("LRAMVA"). The LRAMVA balances included in the EB-2015-0328 application relate to NPEI's 2011 – 2014 Conservation and Demand Management ("CDM") results, as determined by NPEI's consultant IndEco Strategic Consulting Inc. ("IndEco"). NPEI requested disposition of \$467,812.35 plus carrying charges of \$14,991.84 (including forecast carrying charges to April 30, 2016), for a total LRAMVA balance of \$482,804.19. NPEI proposed to recover this amount through class-specific volumetric rate riders, to be in effect for a one year period beginning May 1, 2016.

The Board issued a letter on November 27, 2015 indicating that NPEI's 2016 IRM Rate Application (EB-2015-0090) and NPEI's LRAMVA Application (EB-2015-0328) hearings would be combined.

As part of the combined EB-2015-0090 / EB-2015-0328 application process, Board Staff and Vulnerable Energy Consumers Coalition ("VECC") filed interrogatories relating to NPEI's LRAMVA claim. NPEI filed its interrogatory responses on December 18, 2015.

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On January 22, 2016, Board Staff filed its written submission in the EB-2015-0090 / EB-2015-0328 combined hearing, which stated: "OEB staff supports Niagara Peninsula Energy's LRAMVA claim as filed."

No other intervenors made submissions on NPEI's LRAMVA claim.

In the EB-2015-0090 / EB-2015-0328 Decision and Order, issued March 17, 2016, the Board stated:

"NPEI's LRAMVA claim includes amounts related to conservation and demand response programs deployed in demand billed classes. In a memorandum from the IESO to OEB staff dated February 24, 2016, and shared by the OEB with the applicant on March 3, 2016, the IESO clarified its definition of verified demand savings. The IESO reported that its methodology for evaluating demand response program results "makes no attempt to verify the impact that a demand response event may have on a customer's demand for the purposes of billing for distribution service, even in months where the demand response program was activated." The memorandum also reported that while demand savings due to energy efficiency investments may persist beyond the peak season, effects are expected to vary based on the type of program.

Findings

The OEB will not approve the disposition of the LRAMVA balance at this time.

The issue of the appropriateness of adjustments to IESO-verified CDM results to impute lost distribution revenues in demand billed classes has arisen in NPEI's and a number of other applications currently before the OEB. Given the generic nature of this issue and the absence of clear revenue impact evidence in certain classes as a result of CDM demand response program deployment, the OEB intends to hold a stakeholder meeting on March 31, 2016 to determine the appropriate approach for the demonstration and calculation of the distribution revenue impacts from demand savings for LRAMVA purposes. In a March 3, 2016 letter the OEB communicated this plan and indicated that it expects to issue further guidance on the LRAMVA following the stakeholder meeting.

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The postponement of the disposition of an LRAMVA claim at this time shall be without prejudice to any future claim once further policy guidance is available. Interest will continue to accrue in the LRAMVA account until disposition."

On March 31, 2016, the OEB held a stakeholder meeting with representatives from electricity distributors and intervenors to discuss this topic. On May 19, 2016, the Board issued *Updated Policy for the Lost Revenue Adjustment Mechanism Calculation: Lost Revenues and Peak Demand Savings from Conservation and Demand Management Programs.*

The policy states that: "No peak demand (kW) savings from Demand Response (DR) programs should generally be included within the LRAMVA calculation."

NPEI engaged IndEco to complete the following:

- Update NPEl's 2011 2014 LRAMVA claim to reflect the removal of Demand Response (DR) results.
- Calculate NPEI's LRAMVA claim for 2015, based in the Final 2015 CDM results provided by the IESO.
- Complete the Board's LRAMVA Excel Work Form for NPEI's 2011 2015 LRAMVA balances

IndEco's LRAMVA Report is included as Appendix C. The completed OEB LRAMVA Work Form is included as Appendix E.

In calculating the LRAMVA amount, NPEI and IndEco have relied on the most recent input assumptions available at the time of the program evaluation and the most recent and appropriate final CDM evaluation report from the IESO. The 2015 Final Annual Verified Results Report is included as Appendix F.

NPEI's requests disposition of its 2011 – 2015 LRAMVA in the amount of \$477,113.75 plus carrying charges of \$19,820.04 (including forecast carrying charges to April 30, 2017), for a total LRAMVA balance of \$496,933.79. NPEI proposes to recover this amount through class-specific volumetric rate riders, to be in effect for a one year period beginning May 1, 2017.

NPEI has populated Account 1568 in Sheet 3. Continuity Schedule of the 2017 IRM Rate Generator Model with the LRAMVA balances, as shown in Table 6 below.

Table 6 - Proposed LRAMVA Disposition

Account Description	Account No.	2015 Principal Balance (Adjusted for Disposition in 2016)	2015 Carrying Charge Balance (Adjusted for Disposition in 2016)	2015 Total Balance (Adjusted for Disposition in 2016)	Projected Carrying Charges Jan 1/16 to Apr 30/17	Total for Disposition
LRAM Variance Account	1568	477,114	12,822	489,936	6,998	496,934

NPEI notes that there is a difference between the balances as at December 31, 2015 per the continuity schedule and NPEI's 2015 RRR Filing, as shown in Table 7 below.

Table 7 – Comparison LRAMVA Balance to RRR Trial Balance

Account Description	Account	2015 Total Balance per Continuity Schedule	2015 Balances reported in RRR Trial Balance	Difference
LRAMVA				
LRAM Variance Account	1568	489,936	481,097	8,839

As at December 2015, NPEI had recorded LRAMVA balances of \$481,097 relating to 2011 – 2014 CDM results, including amounts related to demand response programs. These balances were reported in NPEI's 2015 RRR Trial Balance. The revised balance as at December 2015 of \$489,936 reflects the removal of demand response results, and the addition of NPEI's 2015 CDM activities.

Table 8 below provides a reconciliation of the difference.

Table 8 - Reconciliation of LRAMVA Difference

Reconcile LRAMVA Difference	
LRAMVA as per 2015 Trial Balance (2011 - 2014 Results)	481,097
Remove: DR3 results, Principal	(18,006)
Remove: DR3 results, Interest	(602)
Add: 2015 LRAMVA, Principal	27,307
Add: 2015 LRAMVA, Interest	140
LRAMVA as per Continuity Schedule	489,936

Table 9 below shows NPEI's LRAMVA balance, including projected carrying charges to April 30, 2017, by rate class.

Table 9 – LRAMVA Balance by Rate Class

Rate Class	LRAMVA	Carrying Charges	Total
Residential	82,251.44	1,488.43	83,739.87
GS < 50 kW	144,304.97	6,467.09	150,772.06
GS > 50 kW	250,557.34	11,864.52	262,421.86
Total	477,113.75	19,820.04	496,933.79

The resulting rate riders are calculated in Sheet 7. Calculation of Def-Var RR of the 2017 IRM Rate Generator Model, as summarized in Table 10 below.

Table 10 - Proposed LRAMVA Rate Riders

	Allocated LRAMVA Balance			
	(including		Proposed Rate	Volumetric
	Carrying		Rider (per kWh	Billing
Rate Class	Charges)	Metered kWh / kW	or kW)	Determinant
Residential	83,739.87	424,304,413	0.0002	kWh
GS < 50 kW	150,772.06	125,782,373	0.0012	kWh
GS > 50 kW	262,421.86	1,640,396	0.1600	kW
Total	496,933.79			

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NPEI requests that the Board approve the LRAMVA rate riders as per Table 10 above, to be in

effect for a one year period beginning May 1, 2017.

Rate Design for Residential Electricity Customers

On April 2, 2015, the OEB released its Board Policy: A New Distribution Rate Design for

Residential Electricity Customers (EB-2014-0210), which stated that electricity distributors will

transition to a fully fixed monthly distribution service charge for residential customers. The

transition began in 2016, and in most cases will be implemented over a period of four years.

Section 3.2.3 of the Filing Requirements states: "The OEB issued decisions affecting 2016 rates

for Price Cap IR and Annual Index IR applicants consistent with this policy. In this second year

of transition, the distributor must follow the approach set out in sheet 16 of the rate generator

model."

In NPEI's 2016 IRM Rate Application (EB-2015-0090), the Board approved Residential

distribution rates representing NPEI's first year of transition towards the fully fixed rate.

Accordingly, NPEI proposes to implement the second year of transition in this current

application.

On Sheet 16. Rev2Cost_GDPIPI of the 2017 IRM Rate Generator Model, NPEI has entered the

4

following inputs:

OEB-approved # of Transition Years:

Rate Design Transition Years Left: 3

NPEI's current Fixed-Variable split for the Residential class is 68.7% / 31.3%, based on the

residential rates approved in NPEI's 2016 IRM Application (EB-2015-0090). Therefore, NPEI

proposes to increase the fixed portion of the Residential revenue by (100% - 68.7%) / 3 =

10.4%. Accordingly, NPEI's 2017 proposed Fixed-Variable split for the Residential class is 79.1% / 20.9%.

The Filing requirements indicate that: "In 2017, a distributor is expected to apply to extend its OEB-approved transition period if necessary, to continue to comply with the policy. For 2017, the monthly service would have to rise more than \$4 per year in order to affect the length of the transition to fixed rates."

The resulting Incremental Fixed Charge, as calculated by the 2017 IRM Rate Generator Model, is \$3.34 per month. NPEI notes that this is below the \$4 impact threshold quoted above.

The Rate Design Transition table from the 2017 Rate Generator Model is reproduced below as Table 11.

Table 11 – Residential Rate Design Transition

Rate Design Transition		Revenue from Rates	Current F/V Split	Decoupling MFC Split	Incremental Fixed Charge (\$/month/year)		Adjusted Rates	Revenue at New F/V Split
Current Residential Fixed Rate								
(inclusive of R/C adj.)	21.94	12,391,685	68.7%	10.4%	3.34	79.1%	25.28	14,278,113
Current Residential Variable Rate								
(inclusive of R/C adj.)	0.0139	5,658,590	31.3%			20.9%	0.0093	3,785,963
		18,050,275						18,064,076

After applying the Price Cap Index of 1.8%, the resulting 2017 Residential rates proposed by NPEI are a Monthly Service Charge of \$25.74 and a volumetric charge of \$0.0095 per kWh.

Section 3.2.3 of the Filing Requirements requires "distributors to calculate the combined impact of the fixed rate increase and any other changes in the cost of distribution service for those residential RPP customers who are at the 10th percentile of overall consumption. That is, 10% of a distributors residential customers consume at or less than this level of consumption on a monthly basis."

In order to determine the 10th consumption percentile for the Residential class, NPEI queried its billing system to obtain the average monthly consumption from January to December 2014 for all Residential customers. The results were then sorted by average monthly consumption in order to determine the 10th percentile. As shown in Table 12 below, the resulting 10th consumption percentile is 285.5 kWh per month.

Table 12 – 10th Consumption Percentile for the Residential Class

2014 Average Monthly Consumption	# of Residential Customers	% of Total			
0-100	690	1.47%			
100-250	2,800	5.95%			
250-285.5	1,211	2.57%	10%	285.5 kWh	per month
285.6-500	11,506	24.46%			
500-800	15,943	33.89%			
800-1000	6,221	13.22%			
1000-1500	6,007	12.77%			
1500-2000	1,641	3.49%			
> 2000	1,026	2.18%			
	47,045	100.00%			

Table 13 below shows the Total Bill Impact Summary (RPP and Non-RPP) for a Residential customer with consumption of 285.5 kWh per month. See Appendix D for detailed bill impacts for a Residential customer with consumption of 285.5 kWh per month.

Table 13 – 10th Consumption Percentile Total Bill Impacts Summary

			Total Monthly Bill Impact - RPP Customer			Total Monthly Bill Impact - Non - RPP Customer		
Rate Class	10th Consumption Percentile		\$	%		\$	%	
Residential	285.5 kWh/month							
Comparison to 2016		\$	0.84	1.14%	\$	2.43	3.26%	

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Section 3.2.3 of the Filing Requirements indicates that: "If the total bill impact of the elements

proposed in this application is 10% or greater for RPP customers consuming at the 10th

percentile, a distributor must file a plan to mitigate the impact for the whole residential class or

indicate why such a plan is not required."

NPEI notes that the Total Bill Impact for an RPP Residential customer at the 10th consumption

percentile is less than 10%. Therefore, NPEI submits that no mitigation plan is required for the

Residential class.

Electricity Distribution Retail Transmission Service Rates

Revision 3.0 of Guideline (G-2008-0001) on Retail Transmission Service Rates, (June 28,

2012), instructs electricity distributors to adjust their retail transmission service rates ("RTSR's")

based on a comparison of historical transmission costs adjusted for new Uniform Transmission

Rates ("UTR") levels, and revenues generated from existing RTSRs.

NPEI has calculated the adjustment to the current RTSRs using Sheets 10 - 15 of the 2017

IRM Rate Generator Model. NPEI acknowledges that the Board will adjust each distributor's

2017 IRM Rate Generator Model to incorporate the 2017 Board-approved UTRs and Hydro One

Sub-Transmission rates.

In addition to the IESO and Hydro One, NPEI has historically incurred Transformation

Connection Service costs from an additional host, Niagara West Transformation Corp.

("NWTC"). NWTC was a licensed transmitter, with a Board-approved transmission

transformation connection rate of \$1.77 / kW, as approved in NWTC's last transmission rate

application (EB-2010-0345).

On November 6, 2014, NWTC and Grimsby Power Inc. ("GPI") filed an application seeking

amalgamation of GPI and NWTC (EB-2014-0344). In the Board's Decision and Order, dated

March 26, 2015, the Board granted leave to amalgamate, and also that:

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 The Niagara West Transformation Corporation transmission assets which will become part of Grimsby Power Inc. are deemed distribution assets, pursuant to section 84 of the

Act.

• Grimsby Power Inc. may charge Niagara Peninsula Energy Inc. the OEB-approved

Niagara West Transformation Corporation transmission rate as a distribution rate from

the completion of the proposed transaction until Grimsby Power Inc.'s next rebasing,

pursuant to section 78 of the Act.

In the Decision and Order to GPI's 2016 COS Application (EB-2015-0072), issued September

22, 2016, the Board approved both a Monthly Service Charge and a Distribution Volumetric

Charge for a new Embedded Distributor rate class, which includes NPEI as the only customer,

to be effective September 1, 2016.

With the implementation of GPI's new Embedded Distributor rates, NPEI will pay distribution

charges to GPI for the transformation service previously provided by NWTC as a transmitter.

NPEI has requested clarification from Board Staff whether NPEI should continue to record these

charges in Account 4716 Charges - Connection, or whether the charges should be recorded in

Account 4750 Charges - Low Voltage. Accordingly, NPEI has entered a Transformation

Connection Service Rate of \$1.77 / kW for 2015 and 2016 for Niagara West in Sheet. 11 RTSR

- UTRs and Sub-Tx of the 2017 IRM Rate Generator Model, but has not entered a rate for

2017.

Further, the approved Tariff of Rates and Charges in GPI's 2016 COS Rate Application (EB-

2015-0072), includes Retail Transmission Service Rates (Network and Connection) for the

Embedded Distributor class. The Tariff states: "The Retail Transmission Service Rates for the

Embedded Distributor will not be charged until Grimsby Power Inc. has the market participant

designation for Retail Transmission Service Rates. At the date of transfer, and upon notification

to the Ontario Energy Board, Grimsby Power Inc. will begin to apply the Retail Transmission

Service Rates to the Embedded Distributor rate class."

NPEI is currently charged the UTRs for Network and Line Connection by the IESO for its

utilization of the Niagara West station. Upon transfer of the market participant designation for

Niagara West to GPI, NPEI will no longer pay UTRs to the IESO, but will be charged RTSRs by GPI.

At the time of filing this Application, GPI is preparing a proposal for the implementation of the transfer of market participant for the Niagara West station. However, the anticipated date of market participant transfer has not yet been established.

Due to the changes related to the Niagara West station and associated rates, NPEI requests that Board Staff work with NPEI through the application process to ensure that NPEI's 2017 IRM Model is updated to reflect the most recent and accurate data for the purposes of calculating NPEI's proposed RTSRs.

A summary of the updated RTSRs as filed is provided in the following Table 14:

Table 14 - Proposed RTSRs

		Existing	Proposed			Existing	Proposed		
		RTSR	RTSR		Variance	RTSR	RTSR		Variance
Class	Unit	Network	Network	Variance	%	Connection	Connection	Variance	%
Residential	kWh	0.0071	0.0071	(0.0000)	-0.1%	0.0053	0.0048	(0.0005)	-9.7%
General Service Less Than 50 kW	kWh	0.0064	0.0064	(0.0000)	-0.1%	0.0046	0.0042	(0.0004)	-9.7%
General Service 50 to 4,999 kW	kW	2.6464	2.6437	(0.0027)	-0.1%	1.8580	1.6785	(0.1795)	-9.7%
Unmetered Scattered Load	kWh	0.0064	0.0064	(0.0000)	-0.1%	0.0046	0.0042	(0.0004)	-9.7%
Sentinel Lighting	kW	1.9593	1.9573	(0.0020)	-0.1%	1.5526	1.4026	(0.1500)	-9.7%
Street Lighting	kW	2.0005	1.9985	(0.0020)	-0.1%	1.4275	1.2896	(0.1379)	-9.7%

As indicated in Table 14 above, NPEI's 2017 RTSRs, as currently proposed, represent a decrease of 0.1% in Network rates and a decrease of 9.7% in Connection rates.

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Appendix A Current Tariff of Rates and Charges Effective May 1, 2016

Effective and Implementation Date May 1, 2016
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2015-0090 EB-2015-0328

RESIDENTIAL SERVICE CLASSIFICATION

This class pertains to customers residing in detached, semi-detached or duplex dwelling units, where energy is supplied single-phase, 3 wire, 60 hertz, having a nominal voltage of 120/240 volts. Large residential services will include all services from 201 amp. Up to and including 400 amp., 120/240 volt, single phase, three wire. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017 Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018 Rate Rider for Recovery of Stranded Meter Assets - effective until April 30, 2017 Distribution Volumetric Rate Low Voltage Service Rate Rate Rider for Disposition of Account 1576 - effective until April 30, 2017 Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017 Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate	\$ \$ \$ \$/kWh \$/kWh \$/kWh \$/kWh	21.94 (0.14) 0.79 0.93 0.0139 0.0005 (0.0030) (0.0001) 0.0071
MONTHLY RATES AND CHARGES - Regulatory Component	Ψ	0.0000
Wholesale Market Service Rate Rural or Remote Electricity Rate Protection Charge (RRRP) Ontario Electricity Support Program Charge (OESP) Standard Supply Service - Administrative Charge (if applicable)	\$/kWh \$/kWh \$/kWh \$	0.0036 0.0013 0.0011 0.25

Effective and Implementation Date May 1, 2016

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

EB-2015-0090 EB-2015-0328

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified on page 1 of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

APPLICATION

The application of the charges are in accordance with the Distribution System Code (Section 9) and subsection 79.2(4) of the Ontario Energy Board Act, 1998.

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

In this class:

"Aboriginal person" includes a person who is a First Nations person, a Métis person or an Inuit person;

"account-holder" means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year;

"electricity-intensive medical device" means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;

"household" means the account-holder and any other people living at the accountholder's service address for at least six months in a year, including people other than the account-holder's spouse, children or other relatives;

"household income" means the combined annual after-tax income of all members of a household aged 16 or over;

MONTHLY RATES AND CHARGES

Class A

- (a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons; and
- (d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons; but does not include account-holders in Class E.

OESP Credit \$ (30.00)

Class B

- (a) account-holders with a household income of \$28,000 or less living in a household of three persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons; but does not include account-holders in Class F.

OESP Credit \$ (34.00)

Class C

- (a) account-holders with a household income of \$28,000 or less living in a household of four persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons; but does not include account-holders in Class G.

OESP Credit \$ (38.00)

Class D

- (a) account-holders with a household income of \$28,000 or less living in a household of five persons; and
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons;

but does not include account-holders in Class H.

OESP Credit \$ (42.00)

Effective and Implementation Date May 1, 2016
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2015-0090 EB-2015-0328

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

Class E

Class E comprises account-holders with a household income and household size described under Class A who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (45.00)

Class F

- (a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or
- (c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:
 - i. the dwelling to which the account relates is heated primarily by electricity;
 - ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
 - iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates

OESP Credit \$ (50.00)

Class G

Class G comprises account-holders with a household income and household size described under Class C who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (55.00)

Class H

Class H comprises account-holders with a household income and household size described under Class D who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (60.00)

Class

Class I comprises account-holders with a household income and household size described under paragraphs (a) or (b) of Class F who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (75.00)

Effective and Implementation Date May 1, 2016
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2015-0090 EB-2015-0328

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This class pertains to non-residential customers taking electricity at 750 volts or less whose monthly average peak demand is less than, or 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	38.05
Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017	\$	(0.30)
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Rate Rider for Recovery of Stranded Meter Assets - effective until April 30, 2017	\$	2.73
Distribution Volumetric Rate	\$/kWh	0.0139
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider for Disposition of Account 1576 - effective until April 30, 2017	\$/kWh	(0.0030)
Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0046
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date May 1, 2016
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2015-0090 EB-2015-0328

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or forecast to be equal to or greater than 50 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017 Distribution Volumetric Rate Low Voltage Service Rate Rate Rider for Disposition of Account 1576 - effective until April 30, 2017 Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017 Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate	\$ \$/kW \$/kW \$/kW \$/kW \$/kW	103.43 (0.57) 3.3809 0.1612 (1.1427) (0.0361) 2.6464 1.8580
MONTHLY RATES AND CHARGES - Regulatory Component Wholesale Market Service Rate Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh \$/kWh	0.0036 0.0013
Ontario Electricity Rate Flotection Charge (RRRP) Ontario Electricity Support Program Charge (OESP) Standard Supply Service - Administrative Charge (if applicable)	\$/kWh \$/kWh	0.0013 0.0011 0.25

Effective and Implementation Date May 1, 2016
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2015-0090 EB-2015-0328

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less whose average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The customer will provide detailed manufacturer information/documentation with regard to electricity demand/consumption of the proposed unmetered 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Ontario Electricity Support Program Charge (OESP)

Standard Supply Service - Administrative Charge (if applicable)

Service Charge (per customer)	\$	19.65
Rate Rider for Adjustment to 2015 Interim Rates (per customer) - effective until April 30, 2017	\$	(0.18)
Distribution Volumetric Rate	\$/kWh	0.0137
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider for Disposition of Account 1576 - effective until April 30, 2017	\$/kWh	(0.0030)
Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0046
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013

0.0011

0.25

\$/kWh

Effective and Implementation Date May 1, 2016
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2015-0090 EB-2015-0328

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	17.09
Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017	\$	(0.13)
Distribution Volumetric Rate	\$/kW	21.3249
Low Voltage Service Rate	\$/kW	0.1347
Rate Rider for Disposition of Account 1576 - effective until April 30, 2017	\$/kW	(1.1122)
Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017	\$/kW	(0.1612)
Retail Transmission Rate - Network Service Rate	\$/kW	1.9593
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.5526

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date May 1, 2016
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2015-0090 EB-2015-0328

STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting operation, controlled by photo cells. Street lighting profile is derived through the use of a "virtual street lighting meter" that uses a street light control eye, consistent with the model type and product manufacturer of devices currently in service in the Applicant's distribution area, to simulate the exact daily conditions that the typical street light is exposed to. This simulated street light load is captured using an interval metering device, and is processed as part of the distributor's daily interval meter interrogation, validation and processing procedures. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Rural or Remote Electricity Rate Protection Charge (RRRP)

Standard Supply Service - Administrative Charge (if applicable)

Ontario Electricity Support Program Charge (OESP)

Service Charge (per connection)	\$	1.21
Rate Rider for Adjustment to 2015 Interim Rates (per connection) - effective until April 30, 2017	\$	(0.01)
Distribution Volumetric Rate	\$/kW	4.7185
Low Voltage Service Rate	\$/kW	0.1239
Rate Rider for Disposition of Account 1576 - effective until April 30, 2017	\$/kW	(1.0585)
Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017	\$/kW	(0.0493)
Retail Transmission Rate - Network Service Rate	\$/kW	2.0005
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4275
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0036

0.0013

0.0011

0.25

\$/kWh

\$/kWh

Effective and Implementation Date May 1, 2016
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2015-0090 EB-2015-0328

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 May 1, 2016

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

EB-2015-0090 EB-2015-0328

ALLOWANCES

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

SPECIFIC SERVICE CHARGES

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the 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.

A	A . I
Customer	Administration

Returned cheque charge (plus bank charges)	\$	20.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00
Non-Payment of Account		
Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	30.00
Collection of account charge - no disconnection - after regular hours	\$	165.00
Disconnect/Reconnect at meter - during regular hours	\$	65.00
Disconnect/Reconnect at meter - after regular hours	\$	185.00
Disconnect/Reconnect at pole - during regular hours	\$	185.00
Disconnect/Reconnect at pole - after regular hours	\$	415.00
Install/Remove load control device - during regular hours	\$	65.00
Install/Remove load control device - after regular hours	\$	185.00
Other		
Service call - customer owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Temporary Service install & remove - overhead - no transformer	\$	500.00
Temporary Service install & remove - underground - no transformer	\$	300.00
Temporary Service install & remove - overhead - with transformer	\$	1,000.00
Specific Charge for Access to the Power Poles	\$	22.35
(with the exception of wireless attachements)		

Effective and Implementation Date May 1, 2016
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2015-0090 EB-2015-0328

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	\$ 0.50
Distributor-consolidated billing monthly charge, per customer, per retailer	\$ 0.30
Retailer-consolidated billing monthly credit, per customer, per retailer	\$ (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	1.0479
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0374

Appendix B Proposed Tariff of Rates and Charges Effective May 1, 2017

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2016-0094

RESIDENTIAL SERVICE CLASSIFICATION

This class pertains to customers residing in detached, semi-detached or duplex dwelling units, where energy is supplied single-phase, 3 wire, 60 hertz, having a nominal voltage of 120/240 volts. Large residential services will include all services from 201 amp. Up to and including 400 amp., 120/240 volt, single phase, three wire. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	25.74
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0095
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0046
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2017)		
- effective until April 30, 2018	\$/kWh	0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kWh	(0.0063)
Low Voltage Service Rate	\$/kWh	0.0005
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0048
MONTHLY RATES AND CHARGES - Regulatory Component		
MONTHET RATES AND STIARSES - Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2016-0094

(34.00)

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified on page 1 of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

APPLICATION

The application of the charges are in accordance with the Distribution System Code (Section 9) and subsection 79.2(4) of the Ontario Energy Board Act, 1998.

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

In this class:

"Aboriginal person" includes a person who is a First Nations person, a Métis person or an Inuit person;

"account-holder" means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year;

"electricity-intensive medical device" means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;

"household" means the account-holder and any other people living at the accountholder's service address for at least six months in a year, including people other than the account-holder's spouse, children or other relatives:

"household income" means the combined annual after-tax income of all members of a household aged 16 or over;

MONTHLY RATES AND CHARGES

Class A

- (a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons; and
- (d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons; but does not include account-holders in Class E.

OESP Credit \$ (30.00)

Class B

- (a) account-holders with a household income of \$28,000 or less living in a household of three persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons; but does not include account-holders in Class F.

OESP Credit \$

Class C

- (a) account-holders with a household income of \$28,000 or less living in a household of four persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons; but does not include account-holders in Class G.

OESP Credit \$ (38.00)

Class D

- (a) account-holders with a household income of \$28,000 or less living in a household of five persons; and
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons; but does not include account-holders in Class H.

OESP Credit \$ (42.00)

Class E

Effective and Implementation Date May 1, 2017 This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2016-0094

Class E comprises account-holders with a household income and household size described under Class A who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (45.00)

Class F

- (a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or
- (c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:
- i. the dwelling to which the account relates is heated primarily by electricity;
- ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
- iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates

OESP Credit \$ (50.00)

Class G

Class G comprises account-holders with a household income and household size described under Class C who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity:
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (55.00)

Class H

Class H comprises account-holders with a household income and household size described under Class D who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (60.00)

Class I

Class I comprises account-holders with a household income and household size described under paragraphs (a) or (b) of Class F who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (75.00)

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2016-0094

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This class pertains to non-residential customers taking electricity at 750 volts or less whose monthly average peak demand is less than, or 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	38.73
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0142
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0046
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2017)		
- effective until April 30, 2018	\$/kWh	0.0012
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kWh	(0.0062)
Low Voltage Service Rate	\$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0042
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2016-0094

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or forecast to be equal to or greater than 50 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	105.29
Distribution Volumetric Rate	\$/kW	3.4418
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0046
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2017)	**	
- effective until April 30, 2018	\$/kW	0.1600
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kW	(2.3198)
Low Voltage Service Rate	\$/kW	0.1612
Retail Transmission Rate - Network Service Rate	\$/kW	2.6437
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6785
MONTHLY RATES AND CHARGES - Regulatory Component		
, ,		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2016-0094

0.25

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less whose average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The customer will provide detailed manufacturer information/documentation with regard to electricity demand/consumption of the proposed unmetered 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Standard Supply Service - Administrative Charge (if applicable)

Service Charge (per customer)	\$	20.00
Distribution Volumetric Rate	\$/kWh	0.0139
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kWh	(0.0061)
Low Voltage Service Rate	\$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0042
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2016-0094

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	17.40
Distribution Volumetric Rate	\$/kW	21.7087
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0046
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kW	(2.3316)
Low Voltage Service Rate	\$/kW	0.1347
Retail Transmission Rate - Network Service Rate	\$/kW	1.9573
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4026
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

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0.25

STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting operation, controlled by photo cells. Street lighting profile is derived through the use of a "virtual street lighting meter" that uses a street light control eye, consistent with the model type and product manufacturer of devices currently in service in the Applicant's distribution area, to simulate the exact daily conditions that the typical street light is exposed to. This simulated street light load is captured using an interval metering device, and is processed as part of the distributor's daily interval meter interrogation, validation and processing procedures. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Standard Supply Service - Administrative Charge (if applicable)

Service Charge (per connection)	\$	1.23
Distribution Volumetric Rate	\$/kW	4.8034
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0046
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kW	(2.1723)
Low Voltage Service Rate	\$/kW	0.1239
Retail Transmission Rate - Network Service Rate	\$/kW	1.9985
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2896
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2016-0094

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

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Niagara Peninsula Energy Inc. TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2016-0094

ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month Primary Metering Allowance for transformer losses - applied to measured demand and energy \$/kW % (0.6000) (1.00)

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2016-0094

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		
Returned cheque charge (plus bank charges)	\$	20.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00
Non-Payment of Account		
Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	30.00
Collection of account charge - no disconnection - after regular hours	\$	165.00
Disconnect/Reconnect at meter - during regular hours	\$	65.00
Disconnect/Reconnect at meter - after regular hours	\$	185.00
Disconnect/Reconnect at pole - during regular hours	\$	185.00
Disconnect/Reconnect at pole - after regular hours	\$	415.00
Install/Remove load control device - during regular hours	\$	65.00
Install/Remove load control device - after regular hours	\$	185.00
Other		
Service call - customer owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Temporary Service install & remove - overhead - no transformer	\$	500.00
Temporary Service install & remove - underground - no transformer	\$	300.00
Temporary Service install & remove - overhead - with transformer	\$	1,000.00
Specific Charge for Access to the Power Poles	\$	22.35

(with the exception of wireless attachements)

Effective and Implementation Date May 1, 2017 This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2016-0094

20.00

0.50

0.30

(0.30)

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.

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 Monthly Variable Charge, per customer, per retailer Distributor-consolidated billing monthly charge, per customer, per retailer Retailer-consolidated billing monthly credit, per customer, per retailer \$

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

Retail Service Charges refer to services provided by a distributor to retailers or customers related

no charge Up to twice a year More than twice a year, per request (plus incremental delivery costs) 2.00

Niagara Peninsula Energy Inc. EB-2016-0094 September 26, 2016 Page 52 of 194

Niagara Peninsula Energy Inc. TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2016-0094

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

1.0479

Total Loss Factor - Primary Metered Customer < 5,000 kW

1.0374

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Appendix C IndEco Strategic Consulting Inc. NPEI LRAMVA Report



Niagara Peninsula Energy Inc. 2011-2015 LRAMVA



















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Niagara Peninsula Energy Inc. lost revenue related to Conservation and Demand Management

2011-2015



Niagara Peninsula Energy Inc. EB-2016-0094 September 26, 2016 Page 57 of 194

This document was prepared for Niagara Peninsula Energy Inc. by IndEco Strategic Consulting Inc.

For additional information about this document, please contact:

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IndEco report B6107

26 August 2016

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Introduction

The Lost Revenue Adjustment Mechanism (LRAM) was developed to remove a disincentive electricity local distribution companies (LDCs) may have to promote conservation and demand management (CDM) programs. CDM programs are designed to provide energy savings and peak demand reductions for the customers of LDCs, which directly impact the LDC's revenue. The LRAM allows LDCs to be compensated for lost revenue that resulted from CDM programs the LDC offered to its customers.

Starting in 2011, the Ontario Energy Board (OEB) authorized LDCs to establish an LRAM variance account (LRAMVA) to capture the impact of CDM programs on the revenue of LDCs. The variance in the LRAMVA is between the lost revenue due to independently verified load impacts of CDM and the lost revenue from any CDM impacts an LDC included in the LDC's load forecast.¹

Niagara Peninsula Energy Inc. (NPEI) contracted with the Ontario Power Authority (OPA, which has now been merged into the Independent Electricity System Operator – IESO) to offer a suite of CDM programs to customers in a variety of rate classes for the 2011-2014 period and subsequently with the IESO for the 2015-2020 period. NPEI is required to use "the most recent and appropriate final CDM evaluation report from the IESO in support of its lost revenue calculation." The final 2015 annual verified results report is the most recent final CDM evaluation report available from the IESO. Thus, defensible estimates of NPEI's lost revenue from CDM programs up to and including 2015 may be determined.

NPEI has never submitted a claim for lost revenues for programs offered between 2006 and 2010.

NPEI submitted a claim for lost revenues from 2011–2014 CDM programs (EB-2015-0328). The Board dealt with this concurrently with NPEI's 2016 rate application (EB-2015-0090). The Board decided to postpone disposition of the claim so the Board could consider how best to deal with lost revenues related to demand response programs that had arisen as an issue in multiple LRAMVA claims. With that resolved, updated calculations taking into account the Board's decision on demand response programs, and including final results for 2015, are reported in this document.

The future impacts of CDM were estimated as part of the load forecast for NPEI's 2011 cost of service rate case (EB-2010-0138). These were updated in NPEI's 2015 Cost of Service application. This report, and

¹ Guidelines for Electricity Distributor Conservation and Demand Management. Ontario Energy Board. April 26, 2012 (EB-2012-0003).

² Filing Requirements For Electricity Distribution Rate Applications - 2016 Edition for 2017 Rate Applications - Chapter 2 - Cost of Service, Ontario Energy Board. July 14, 2016.

the associated OEB LRAMVA work form, show the variance account balance for the following revenue losses:

- Lost revenues in 2011 related to programs offered in 2011,
- Lost revenues in 2012 related to programs offered in 2011,
- Lost revenues in 2012 related to programs offered in 2012,
- Lost revenues in 2013 related to programs offered in 2011,
- Lost revenues in 2013 related to programs offered in 2012,
- Lost revenues in 2013 related to programs offered in 2013,
- Lost revenues in 2014 related to programs offered in 2011,
- Lost revenues in 2014 related to programs offered in 2012,
- Lost revenues in 2014 related to programs offered in 2013,
- Lost revenues in 2014 related to programs offered in 2014.
- Lost revenues in 2015 related to programs offered in 2014, and
- Lost revenues in 2015 related to programs offered in 2015.

The carrying charges on the above variances through April 2017 are also reported.

The following were fully or partially captured in the 2015 load forecast, and are not included here:

- Lost revenues in 2015 related to programs offered in 2011,
- Lost revenues in 2015 related to programs offered in 2012, and
- Lost revenues in 2015 related to programs offered in 2013.

Methodology

In principle, the determination of lost revenues is a simple calculation:

LR = (CDM results – CDM results in the load forecast) * rate

In practice, it is somewhat more complicated than that because of the limitations of the information available to calculate CDM results, the different time periods of results data and the rate year, and the need to determine carrying charges on the lost revenues.

The most recent input assumptions currently available have been used to calculate the lost revenue values.

CDM results

From 2011 through 2015, NPEI offered provincial programs in partnership with the Independent Electricity System Operator (IESO). NPEI did not offer custom programs beyond the IESO programs.

IESO evaluation results

The IESO performs evaluations of all of its programs, which examine gross energy savings from the programs, and the net-to-gross ratio (NTGR), and then from those calculates net energy savings by initiative within program group (residential, business, industrial and low-income). Peak load reductions are also calculated, and reported in the same way.

Provincial results are allocated to individual LDCs based on each LDC's individual performance where possible, or through an allocation process.

The IESO reports energy savings and peak demand reductions, by initiative in the current year, adjustments to the previous year, based on updated validation, and contribution to total savings or reductions to the end of the 2011 to 2014 period and the 2015 to 2020 period. The savings and demand reductions for a particular year for a number of programs persist in the following years. The savings and demand reductions for demand response programs do not persist beyond the year in which those particular savings and demand reductions occur. The IESO was requested to provide the persistence into future years of savings and reductions for each program in each year.

These are the best, most definitive and defensible estimates of results associated with these programs, and incorporate the most appropriate estimates of results from the measures installed.

However, these data have some limitations, and require some adjustments for use in lost revenue calculations.

Allocating results to rate classes

The IESO reports results by 'initiative', within four main programs: residential, business (commercial and institutional), industrial and lowincome. These only partially map onto rate classes. For initiatives that apply to more than one rate class, NPEI staff estimated the split by rate class, drawing on participant-specific information where available.

Application of reported results

As previously mentioned, the IESO reports both energy savings and reductions in demand. Depending on the rate class, distribution revenue is based on either kilowatt-hours used, or the customer's monthly peak kilowatt use. For rate classes where the customer is charged for distribution by energy use (kWh), the IESO reported energy savings are used to calculate lost revenues related to CDM results. For customer classes where the LDC charges for distribution based on the customer's peak monthly demand (kW), the IESO reported demand reductions are used to calculate lost revenues related to CDM results. The demand reductions in the IESO reports should be multiplied by a multiplier based on the number of months a specific program impacts a customer's peak demand. "The IESO indicated that the demand savings from energy efficiency programs shown in the Final CDM Results should generally be multiplied by twelve (12) months to represent the demand savings the distributor has experienced over the entire year...In the case of the Building Commissioning initiative, the demand savings provided in the Final CDM Results should only be multiplied by three (3) as these savings are related to space cooling and do not occur throughout the full year, but only during the summer months, typically."3

The OEB has decided that lost revenue cannot be claimed from the kW values reported by the IESO for the Demand Response 3 (DR3) program. "The monthly peak demand of a demand-billed customer used for billing purposes may not correspond with the demand response event; even if it did, the lost revenues would only be related to a difference between the customer's peak demand absent the demand response event and the next highest peak demand for the customer in that month... Since the IESO's evaluations cannot confirm the nature of the demand savings relative to the billing period for demand-billed customers, it is not appropriate that distributors be credited with lost revenues from demand response programs, except for those situations where the distributor can explicitly demonstrate revenue impacts."4

³ Ontario Energy Board, Updated Policy for the Lost Revenue Adjustment Mechanism Calculation: Lost Revenues and Peak Demand Savings from Conservation and Demand Management Programs, EB-2016-0182, May 19, 2016, p. 4.

⁴ Ibid. p. 7.

Load reductions accounted for in the load forecast

In recent years, LDCs have tried to account for load losses due to CDM programs in their load forecasts, submitted as part of their Cost of Service applications. These forecasted reductions need to be deducted from load losses attributable to CDM programs, to determine the final impact of CDM on revenues. That is, the impact is the *variance* between the results accounted for in the load forecast and the results attributable to the programs.

Overall impact of CDM on load, by rate class

The overall impact of CDM energy savings and demand reductions on load is calculated from the IESO energy savings and peak demand reductions, allocated by rate class. Finally, the difference is calculated between the overall estimated impact on loads and the load reductions attributable to CDM that were captured in the most recent load forecast.

Distribution rates

Revenue impacts to the LDC associated with CDM are calculated using the distribution volumetric rate. Most other rate components (e.g. service charges, global adjustment, transmission charges) are either fixed charges or pass-throughs for the utility that do not affect the LDC's revenues. An exception is for certain rate riders related to taxes, and these are added to the distribution volumetric rates for lost revenue calculations, where applicable.

For most electricity distribution utilities in Ontario, including NPEI, distribution rates are set for the period from 1 May to 30 April of the next year. CDM results are reported for the calendar year, so average rates for the calendar year need to be calculated. For simplicity, the average rate is estimated based on the rate being four twelfths of the previous year's rate (for January through April), and eight twelfths of the current year's rate (for May through December).

Lost revenues variance

Lost revenues in a particular rate class are the product of the savings or demand reductions in that class, less what was accounted for in the load forecast, multiplied by the average rate for that class in the calendar year for which the energy savings or demand reductions were reported. The variance is the difference between these lost revenues and the quantity of CDM in the load forecast, or what is called 'the LRAMVA threshold'.

Because these revenues are lost throughout the year, and are only recovered through rate riders in subsequent years, the Ontario Energy

⁵ Where distribution rates are monthly rates for the peak kW in that month, the annual loss of revenue is the monthly rate times the number of months it applies to – usually twelve.

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Board has permitted the LDCs to claim carrying charges on these lost revenues at a rate prescribed by the OEB, and published on the Board's website. The carrying charges are simple interest, not compounded and are calculated on the monthly lost revenue balance. Because the IESO final results estimates are reported annually, and monthly estimates are not available, the incremental results are assumed to be equally distributed across the months. So 1/12 of the annual results are allocated to each month of the year.

Carrying charges accrue from the time of the results, until disposition.

The LDC reports these lost revenues on its financial statements in Account 1568, and the associated rate class-specific sub-accounts.

Results

Following the methodology described above, lost revenues were calculated for NPEI.

CDM results

IESO evaluation results

The most recent and appropriate final CDM evaluation report from the IESO was used in support of the lost revenue calculations. A working Microsoft Excel file copy of each IESO evaluation report has been provided separately to NPEI. The net verified final 2011-2014 results can be found in Table 1 of the *Verified 2011-2014 Final Results Report for Niagara Peninsula Energy Inc.* file released by the IESO on September 1, 2015. The net adjustments to verified final 2011, 2012, and 2013 results can be found in Table 2 of the *Verified 2011-2014 Final Results Report for Niagara Peninsula Energy Inc.* file released by the IESO on September 1, 2015. The net verified final 2015 results can be found in the "Net Incremental First Year Energy Savings" and "Net Incremental First Year Peak Demand Savings" sections of the "LDC Progress" tab in the *Final 2015 Annual Verified Results Report for Niagara Peninsula Energy Inc.* file released by the IESO on June 30, 2016.

The IESO provided NPEI with persistence data for 2011-2014 results and 2011-2013 adjustments at the initiative level. For a small number of initiatives, the persistence data were missing or absent. Where persistence data for an adjustment to an initiative is unavailable, the rate of persistence in each year of the original results is applied to the initiative. Where there are no persistence data for an initiative in a given year, these were estimated by looking at the rate at which persistence is lost in that same initiative in the previous year. The data provided are presented in new Tables 16 to 22 on Tab 6 of the LRAMVA work form provided by the OEB for use in LRAMVA claims which is filed with this document.

Table 16 of the OEB LRAMVA work form shows the estimated persistence of 2011 results into future years. Table 17 of the OEB LRAMVA work form shows the persistence of 2012 results into future years. Table 18 of the OEB LRAMVA work form shows the persistence of 2013 results into future years. Table 19 of the OEB LRAMVA work form shows the persistence of 2014 results through 2015. Table 20 of the OEB LRAMVA work form shows the persistence of 2011 adjustments into future years. Table 21 of the OEB LRAMVA work form shows the persistence of 2012 adjustments into future years. Table 22 of the OEB LRAMVA work form shows the persistence of 2013 adjustments into future years. No adjustments were provided for 2014 final results.

Allocating results to rate classes

NPEI provided information on the allocation of results to rate classes. In most cases, the allocation is straightforward. Initiatives that can span multiple rate classes include Retrofit, Building Commissioning, New Construction, Energy Audit, Demand Response 3, Process & Systems Upgrades, Monitoring & Targeting, Energy Manager, Electricity Retrofit Incentive Program and High Performance New Construction. No allocation was provided for programs for which NPEI has no program results.

NPEI bills customers in different rate classes using different volumetric units, either kilowatt hours (kWh), or customer peak monthly kilowatts (kW). The rate classes (and billing units) for NPEI are:

- Residential (kWh)
- GS < 50 kW (kWh)
- GS 50 to 4,999 kW (kW)
- Unmetered scattered load (kWh)
- Sentinel lighting (kW)
- Street lighting (kW).

Table 7 of the OEB LRAMVA work form shows the percentage allocation by rate class for 2011 results and adjustments. Table 8 of the OEB LRAMVA work form shows the percentage allocation by rate class for 2012 results and adjustments. Table 9 of the OEB LRAMVA work form shows the percentage allocation by rate class for 2013 results and adjustments. Table 10 of the OEB LRAMVA work form shows the percentage allocation by rate class for 2014 results. Table 11 of the OEB LRAMVA work form shows the percentage allocation by rate class for 2015 results.

In some cases, the allocations do not total to exactly 100%. Allocations were based on kilowatts or kilowatt hours, depending on how that rate class is billed. Thus, the value is the percentage of the total billing unit used by a particular class that is attributable to that class.

Load reductions accounted for in the load forecast

NPEI's previous cost of service application was filed for the 2011 rate year (EB-2010-0138). The load forecast associated with that application accounted for estimated load losses from 2011 – 2014 CDM programs. In NPEI's cost of service application for the 2015 rate year (EB-2014-0096), NPEI updated the load forecast for 2015 and beyond to capture the impact of CDM programs offered in 2014 and 2015.

⁶ Parties to the 2015 cost of service proceeding agreed persistence of savings from programs offered in 2011, 2012 and 2013 would not be included in the LRAMVA threshold, even though the half-year rule would suggest that the full persistence of 2013 programs was only partially captured in the 2013 actual load data used in the forecasting model..

Table 3 of the OEB LRAMVA work form shows the estimates of load reductions, by rate class that were included at the time of the load forecasts.

Overall impact of CDM on load, by rate class

Multiplying the adjusted energy savings or demand reduction reported for NPEI for each program by the allocation by rate class provides the impact on load of that CDM program within the appropriate rate class. The sum of the energy savings and demand reductions for all of the programs for each rate class provides the overall impact of CDM on load by rate class. The overall load impact for each calendar year includes the results for the CDM programs and any adjustments to the results in that year.

The bottom of Table 7 of the OEB LRAMVA work form shows the overall impact of CDM on load by rate class for 2011. The bottom of Table 8 of the OEB LRAMVA work form shows the overall impact of CDM on load by rate class for 2012. The bottom of Table 9 of the OEB LRAMVA work form shows the overall impact of CDM on load by rate class for 2013. The bottom of Table 10 of the OEB LRAMVA work form shows the overall impact of CDM on load by rate class for 2014. The bottom of Table 11-a (Tab 5) of the OEB LRAMVA work form shows the overall impact of CDM on load by rate class for 2015.

Distribution rates

The distribution rates that are used to calculate the CDM impact on distributor revenue for each rate class for NPEI are shown in Table 5 of the OEB LRAMVA work form. The distribution rates are pro-rated from the rate year to the calendar year, as needed, using the number of months of each rate year in each calendar year in the 2011 to 2015 time period. Table 6 of the OEB LRAMVA work form shows the pro-rated rates used for each calendar year.

Lost revenues

The lost revenues for each year by rate class for NPEI calculated from final CDM program results are shown in Table 1 of the OEB LRAMVA work form. The lost revenue for each year is based on the load impact for each rate class in that year multiplied by the rate for that rate class in that year. The load impact in a given year will include the impact of CDM programs in that year and the persistence of the CDM program impact from previous years in that year.

The lost revenue for 2011-2015 is based on final verified results provided by the IESO.

Table 1 of the OEB LRAMVA work form also shows the lost revenue in each year due to CDM that has already been incorporated into NPEI's applicable load forecast. The impact on NPEI's revenue is the variance

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between what is calculated from final CDM program results and what has already been accounted for in the load forecast.

Carrying charges

The monthly carrying charges by rate class on NPEI's lost revenue variance are shown in Table 15 of the OEB LRAMVA work form. The carrying charges are reported monthly, by rate class, from the time the lost revenues resulted, through to April 30, 2017.

Conclusions

The LRAMVA balance at the end of December 2015 for NPEI that includes results from 2011 – 2015 CDM programs and adjustments to 2011 to 2013 results is \$477,113.75. The total carrying charges on this LRAMVA balance accumulated to April 30, 2017 are \$19,820.04. These balances are attributable to individual rate classes according to the following table:

Rate class	LRAMVA	Carrying charges	Total
Residential	\$82,251.44	\$1,488.43	\$83,739.87
GS < 50 kW	\$144,304.97	\$6,467.09	\$150,772.06
GS 50 to 4,999 kW	\$250,557.34	\$11,864.52	\$262,421.86
Total	\$477,113.75	\$19,820.04	\$496,933.79

NOTE: There are no LRAMVA or carrying charge values associated with rate classes not included in this table.

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providing environmental and energy consulting to private, public and non-governmental organizations

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Appendix D 2017 IRM Rate Generator Model

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Ontario Energy Board

Pale green cells represent input cells.

Incentive Regulation Model for 2017 Filers

Quick Links

Ontario Energy Board's 2017 Electricity Distribution Rates Webpage

Chapter 3 of the Filing Requirements for Electricity Distribution Rate Applications – 2016 Edition for 2017 Rate Applications

Utility Name Niagara Peninsula Energy Inc.

Assigned EB Number EB-2016-0094

Name of Contact and Title Suzanne Wilson, Vice-President Finance

Phone Number 905-353-6004

Email Address Suzanne.Wilson@npei.ca

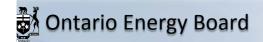
We are applying for rates effective Monday, May 01, 2017

Rate-Setting Method Price Cap IR

Please indicate in which Rate Year the Group 1 accounts were last cleared¹

Please indicate the last Cost of Service Re-Basing Year

Notes



Niagara Peninsula Energy Inc. TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2016
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2015-0090 & EB-2015-0328

0.25

RESIDENTIAL SERVICE CLASSIFICATION

This class pertains to customers residing in detached, semi-detached or duplex dwelling units, where energy is supplied single-phase, 3 wire, 60 hertz, having a nominal voltage of 120/240 volts. Large residential services will include all services from 201 amp. Up to and including 400 amp., 120/240 volt, single phase, three wire. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Standard Supply Service - Administrative Charge (if applicable)

Service Charge Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017 Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018 Rate Rider for Recovery of Stranded Meter Assets - effective until April 30, 2017 Distribution Volumetric Rate Low Voltage Service Rate Rate Rider for Disposition of Account 1576 - effective until April 30, 2017 Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017 Retail Transmission Rate - Network Service Rate	\$ \$ \$ \$/kWh \$/kWh \$/kWh \$/kWh	21.94 (0.14) 0.79 0.93 0.0139 0.0005 (0.0030) (0.0001)
Retail Transmission Rate - Line and Transformation Connection Service Rate MONTHLY RATES AND CHARGES - Regulatory Component Wholesale Market Service Rate Rural or Remote Electricity Rate Protection Charge (RRRP) Ontario Electricity Support Program Charge (OESP)	\$/kWh \$/kWh \$/kWh \$/kWh	0.0053 0.0036 0.0013 0.0011



ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified on page 1 of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

APPLICATION

The application of the charges are in accordance with the Distribution System Code (Section 9) and subsection 79.2(4) of the Ontario Energy Board Act. 1998.

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

In this class:

"Aboriginal person" includes a person who is a First Nations person, a Métis person or an Inuit person;

"account-holder" means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year:

"electricity-intensive medical device" means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;

"household" means the account-holder and any other people living at the accountholder's service address for at least six months in a year, including people other than the account-holder's spouse, children or other relatives;

"household income" means the combined annual after-tax income of all members of a household aged 16 or over;

MONTHLY RATES AND CHARGES

Class A

- (a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons; and
- (d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons;

but does not include account-holders in Class E.

OESP Credit \$ (30.00)

Class B

- (a) account-holders with a household income of \$28,000 or less living in a household of three persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons;

but does not include account-holders in Class F.

OESP Credit \$ (34.00)

Class C

- (a) account-holders with a household income of \$28,000 or less living in a household of four persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons;

but does not include account-holders in Class G.

OESP Credit \$ (38.00)

Class D

- (a) account-holders with a household income of \$28,000 or less living in a household of five persons; and
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons;

but does not include account-holders in Class H.

OESP Credit \$ (42.00)

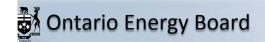
Class E

Class E comprises account-holders with a household income and household size described under Class A who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (45.00)

Class F



- (a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or
- (c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:
- i. the dwelling to which the account relates is heated primarily by electricity;
- ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
- iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates

OESP Credit \$ (50.00)

Class G

Class G comprises account-holders with a household income and household size described under Class C who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (55.00)

Class H

Class H comprises account-holders with a household income and household size described under Class D who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (60.00)

Class I

Class I comprises account-holders with a household income and household size described under paragraphs (a) or (b) of Class F who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (75.00)



GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This class pertains to non-residential customers taking electricity at 750 volts or less whose monthly average peak demand is less than, or 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017 Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018 Rate Rider for Recovery of Stranded Meter Assets - effective until April 30, 2017 Distribution Volumetric Rate Low Voltage Service Rate Rate Rider for Disposition of Account 1576 - effective until April 30, 2017 Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017 Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate	\$ \$ \$ \$ \$/kWh \$/kWh \$/kWh \$/kWh \$/kWh	38.05 (0.30) 0.79 2.73 0.0139 0.0004 (0.0030) (0.0001) 0.0064 0.0046
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate Rural or Remote Electricity Rate Protection Charge (RRRP) Ontario Electricity Support Program Charge (OESP) Standard Supply Service - Administrative Charge (if applicable)	\$/kWh \$/kWh \$/kWh \$	0.0036 0.0013 0.0011 0.25



GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or forecast to be equal to or greater than 50 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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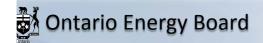
It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	103.43
Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017	\$	(0.57)
Distribution Volumetric Rate	\$/kW	3.3809
Low Voltage Service Rate	\$/kW	0.1612
Rate Rider for Disposition of Account 1576 - effective until April 30, 2017	\$/kW	(1.1427)
Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017	\$/kW	(0.0361)
Retail Transmission Rate - Network Service Rate	\$/kW	2.6464
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8580
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

\$

0.25



Incentive Regulation Model for 2017 File

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less whose average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The customer will provide detailed manufacturer information/documentation with regard to electricity demand/consumption of the proposed unmetered 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Standard Supply Service - Administrative Charge (if applicable)

Service Charge (per customer)	\$	19.65
Rate Rider for Adjustment to 2015 Interim Rates (per customer) - effective until April 30, 2017	\$	(0.18)
Distribution Volumetric Rate	\$/kWh	0.0137
Low Voltage Service Rate	\$/kWh	0.0004
Rate Rider for Disposition of Account 1576 - effective until April 30, 2017	\$/kWh	(0.0030)
Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0046
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011

\$

0.25



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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Standard Supply Service - Administrative Charge (if applicable)

Service Charge	\$	17.09
Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017	\$	(0.13)
Distribution Volumetric Rate	\$/kW	21.3249
Low Voltage Service Rate	\$/kW	0.1347
Rate Rider for Disposition of Account 1576 - effective until April 30, 2017	\$/kW	(1.1122)
Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017	\$/kW	(0.1612)
Retail Transmission Rate - Network Service Rate	\$/kW	1.9593
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.5526
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011

\$/kWh

\$/kWh

0.0013

0.0011

0.25



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STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting operation, controlled by photo cells. Street lighting profile is derived through the use of a "virtual street lighting meter" that uses a street light control eye, consistent with the model type and product manufacturer of devices currently in service in the Applicant's distribution area, to simulate the exact daily conditions that the typical street light is exposed to. This simulated street light load is captured using an interval metering device, and is processed as part of the distributor's daily interval meter interrogation, validation and processing procedures. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Rural or Remote Electricity Rate Protection Charge (RRRP)

Standard Supply Service - Administrative Charge (if applicable)

Ontario Electricity Support Program Charge (OESP)

Service Charge (per connection) Rate Rider for Adjustment to 2015 Interim Rates (per connection) - effective until April 30, 2017 Distribution Volumetric Rate Low Voltage Service Rate Rate Rider for Disposition of Account 1576 - effective until April 30, 2017 Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017 Retail Transmission Rate - Network Service Rate	\$ \$/kW \$/kW \$/kW \$/kW \$/kW	1.21 (0.01) 4.7185 0.1239 (1.0585) (0.0493) 2.0005
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4275
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0036



microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

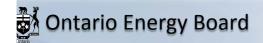
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It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Debt Retirement Charge, the Global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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge \$ 5.40

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ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month
Primary Metering Allowance for transformer losses - applied to measured demand and energy

\$/kW

(0.6000)

%

(1.00)



Incentive Regulation Model for 2017 File SPECIFIC SERVICE CHARGES

APPLICATION

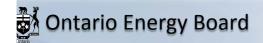
The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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		
Returned cheque charge (plus bank charges)	\$	20.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00
Non-Payment of Account		
Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	30.00
Collection of account charge - no disconnection - after regular hours	\$	165.00
Disconnect/Reconnect at meter - during regular hours	\$	65.00
Disconnect/Reconnect at meter - after regular hours	\$	185.00
Disconnect/Reconnect at pole - during regular hours	\$	185.00
Disconnect/Reconnect at pole - after regular hours	\$	415.00
Install/Remove load control device - during regular hours	\$	65.00
Install/Remove load control device - after regular hours	\$	185.00
Other		
Service call - customer owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Temporary Service install & remove - overhead - no transformer	\$	500.00
Temporary Service install & remove - underground - no transformer	\$	300.00
Temporary Service install & remove - overhead - with transformer	\$	1,000.00
Specific Charge for Access to the Power Poles	\$	22.35

(with the exception of wireless attachements)



RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

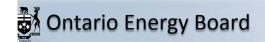
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Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity One-time charge, per retailer, to establish the service agreement between the distributor and the retailer 100.00 \$ Monthly Fixed Charge, per retailer 20.00 \$ Monthly Variable Charge, per customer, per retailer 0.50 Distributor-consolidated billing monthly charge, per customer, per retailer \$ 0.30 \$ Retailer-consolidated billing monthly credit, per customer, per retailer (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 \$ no charge Up to twice a year \$ 2.00 More than twice a year, per request (plus incremental delivery costs)

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Incentive Regulation Model for 2017 FileLOSS 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

1.0479

Total Loss Factor - Primary Metered Customer < 5,000 kW

1.0374

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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 filling.

When inputting balances in the continuity schedule, Account 1580 RSVA - Wholesale Market Service Charge is to exclude any amounts relating to CBR. The CBR amounts are to be entered separately in the Class A and Class B 1580 sub-accounts. Only Class B amounts are to be disposed. Class A amounts are not to be disposed.

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

Please refer to the footnotes for further instructions.

						2010					
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2010	Transactions ² Debit / (Credit) during 2010	OEB-Approved Disposition during 2010	Principal Adjustments¹ during 2010	Closing Principal Balance as of Dec 31, 2010	Opening Interest Amounts as of Jan 1, 2010	Interest Jan 1 to Dec 31, 2010	OEB-Approved Disposition during 2010	Interest Adjustments ¹ during 2010	Closing Interest Amounts as of Dec 31, 2010
Group 1 Accounts											
LV Variance Account	1550					0					0
Smart Metering Entity Charge Variance Account	1551					0					0
RSVA - Wholesale Market Service Charge	1580					0					0
Variance WMS – Sub-account CBR Class A	1580					0					0
Variance WMS – Sub-account CBR Class B	1580					0					0
RSVA - Retail Transmission Network Charge	1584					0					0
RSVA - Retail Transmission Connection Charge	1586					0					0
RSVA - Power	1588					0					0
RSVA - Global Adjustment	1589					0					0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁴	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁴	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2011) ⁴	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2012) ⁴	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2013) ⁴	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2014) ⁴	1595					0					0
Disposition and Recovery/Refund of Regulatory Balances (2015) ⁴											
Not to be disposed of unless rate rider has expired and balance has been audited	1595					0					0
RSVA - Global Adjustment	1589	0	(0) (0	0	0	0	(J 0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		0	(0 0) (0	0	0	0	() 0
Total Group 1 Balance		0	(0 0) C	0	0	0	0	() 0
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568										
Total including Account 1568		0	(0 0) (0	0	0	0	() O

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.

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

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

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

				2011										2012	
Opening Principal Amounts as of Jan 1, 2011	Transactions ² Debit/ (Credit) during 2011	OEB-Approved Disposition during 2011	Principal Adjustments ¹ during 2011	Closing Principal Balance as of Dec 31, 2011	Opening Interest Amounts as of Jan 1, 2011	Interest Jan 1 to Dec 31, 2011	OEB-Approved Disposition during 2011	Interest Adjustments ¹ during 2011	Closing Interest Amounts as of Dec 31, 2011	Opening Principal Amounts as of Jan 1, 2012	Transactions ² Debit/ (Credit) during 2012	OEB-Approved Disposition during 2012	Principal Adjustments ¹ during 2012	Closing Principal Balance as of Dec 31, 2012	Opening Interest Amounts as of Jan 1, 2012
					_										_
0				0	0				0	0			(123,432)	(123,432)	0
0				0	0				0	0			(0.404.700)	0	0
0				0	0				0	0			(3,164,722)	(3,164,722)	0
0				0	0				0	0				0	0
0				0	0				0	0			876,443	876,443	0
0				0	0				0	0			650,143		0
0				0	0				0	0			(4,719,278)	(4,719,278)	0
0				0	0				0	0			3,681,340		0
0				0	0				0	0				0	0
0				0	0				0	0			(1,776,570)	(1,776,570)	0
0				0	0				0	0			(43,770)	(43,770)	0
0				0	0				0	0			(40,110)	(40,110)	0
0				0	0				0	0				0	0
0				0	0				0	0				0	0
U				U	U				U	U				U	U
0				0	0				0	0				0	0
U				0	0				0	O				0	Ü
0	0	0	0	0	0	0	0	0		0	() 0	3,681,340	3,681,340	0
0	0	0	0	0	0	0	0	0	0	0	() 0		(8,301,187)	0
0	0	0	0	0	0	0	0	0	0	0				(4,619,847)	0
•										1			(),/	V 75 -75 -17	
				0					0	0				0	0
										•					
0	0	0	0	0	0	0	0	0	0	0	(0	(4,619,847)	(4,619,847)	0

								2013							
Interest Jan 1 to Dec 31, 2012	OEB-Approved Disposition during 2012	Interest Adjustments ¹ during 2012	Closing Interest Amounts as of Dec 31, 2012	Opening Principal Amounts as of Jan 1, 2013	Transactions ² Debit/ (Credit) during 2013	OEB-Approved Disposition during 2013	Principal Adjustments ¹ during 2013	Closing Principal Balance as of Dec 31, 2013	Opening Interest Amounts as of Jan 1, 2013	Interest Jan 1 to Dec 31, 2013	OEB-Approved Disposition during 2013	Interest Adjustments ¹ during 2013	Closing Interest Amounts as of Dec 31, 2013	Opening Principal Amounts as of Jan 1, 2014	Transactions ² Debit/ (Credit) during 2014
		1,664	1,664	(123,432)	67,739			(55,694)	1,664				4,734		99,352
		(00.000)	(00,000)	0	36,447			36,447	0	509			509		(10,120)
		(29,963)	(29,963)	(3,164,722)	(916,481)			(4,081,203)	(29,963)	(40,248)			(70,211)	(4,081,203)	(380,379)
			0	0				0	0				0	0	
		10,477	10,477	-	606,068			1,482,511	10,477	10,347			20,823	-	376,405
		(850)	(850)	650,143	394,500			1,044,642		6,819			5,969		326,752
		(104,524)	(104,524)	(4,719,278)	(1,550,163)			(6,269,441)	(104,524)	(100,263)			(204,787)	(6,269,441)	(3,109,170)
		42,784	42,784	3,681,340	1,610,241			5,291,581	42,784	12,814			55,598		2,828,517
		,	,	0	.,,			0		,			0	0,201,001	_,,
		1,695,251	1,695,251	(1,776,570)	4,442			(1,772,128)	1,695,251	(39,697)			1,655,554	-	(4,442)
		(64,405)	(64,405)	(43,770)	(2,161)			(45,931)	(64,405)				(63,583)	(45,931)	2,161
		(64,405)	(64,405)	(43,770)	(2,101)					022			(63,563)		2,101
			0	0				0	0				0	0	
			0	0				0	0				0	0	
			0	0				0	0				0	0	1,993,400
			0	0				0	0				0	0	
^		40.704	40.704	2 604 240	4 640 044		0	E 204 E94	42,784	12.014	0		FF F00	E 204 E04	2 020 547
0	0	42,784 1,507,650	42,784 1,507,650	3,681,340 (8,301,187)	1,610,241	0	0	5,291,581 (9,660,797)	1,507,650		0	0		5,291,581 (9,660,797)	2,828,517
0				V 1 1 1 1	(1,359,610)	0	0			(158,641)	0	0		the state of the s	(706,041)
0	0	1,550,434	1,550,434	(4,619,847)	250,631	0	0	(4,369,216)	1,550,434	(145,826)	0	0	1,404,608	(4,369,216)	2,122,476
			0	0				0	0					0	
			U	U				U	U				U	U	
0	0	1,550,434	1,550,434	(4,619,847)	250,631	0	0	(4,369,216)	1,550,434	(145,826)	0	0	1,404,608	(4,369,216)	2,122,476

		2014										2015				
OEB-Approved Disposition during 2014	Principal Adjustments ¹ during 2014	Closing Principal Balance as of Dec 31, 2014	Opening Interest Amounts as of Jan 1, 2014	Interest Jan 1 to Dec 31. 2014	OEB-Approved Disposition during 2014	Interest Adjustments ¹ during 2014	Closing Interest Amounts as of Dec 31, 2014	Opening Principal Amounts as of Jan 1, 2015	Transactions ² Debit/ (Credit) during 2015	OEB-Approved Disposition during 2015	Principal Adjustments ¹ during 2015	Closing Principal Balance as of Dec 31, 15	Opening Interest Amounts as of Jan 1, 15	Interest Jan 1 to Dec 31, 15	OEB-Approved Disposition during 2015	Interest Adjustments ¹ during 2015
(123,432))	167,090			(755)		7,037	167,090	475,769	67,738		575,120	7,037	4,074	6,817	
		26,327	509	483			992	26,327	(21,091)	36,447		(31,211)	992	83	1,223	
(3,164,722)		(1,296,860)	(70,211)	(25,477)	(91,992)		(3,697)	(1,296,860)	(2,698,822)	(916,482)		(3,079,200)	(3,697)	(12,287)	3,818	
		0	0				0	0				0				
		0	0				0	0	338,467			338,467	0	, -		
876,442		982,474			27,655		10,317	982,474	(54,118)	606,069		322,287	10,317	9,326	5,047	
650,143		721,251	5,969		11,893		6,594	721,251	(738,838)	394,500		(412,086)	6,594	7,299	1,808	
(4,719,278)		(4,659,332)	(204,787)	(74,694)	(197,022)		(82,458)	(4,659,332)	(1,528,623)	(1,550,163)		(4,637,793)	(82,458)	(44,323)	(38,148)	
3,681,341		4,438,757	55,598	45,733	114,939		(13,607)	4,438,757	(4,226)	1,610,240		2,824,290	(13,607)	23,878	(27,779)	
		0	0				0	0				0	0			
(1,776,570)		(0)	1,655,554	17,934	1,673,488		0	(0)				(0)	0			
(43,770)		(0)	(63,583)	(1,358)	(64,941)		0	(0)				(0)	0			
		0	0	` ` '	• • •		0	0				0	0			
		0	0				0	0				0	0			
4.040.047		(0.000.447)	0	(04.075)	(4.470.005)		4 444 000	ŭ .	4 000 040			(4.500.400)	4 444 000	(00.740)		
4,619,847		(2,626,447)	0	(31,875)	(1,473,265)		1,441,390	(2,626,447)	1,029,949			(1,596,498)	1,441,390	(20,742)		
		0	0				0	0	(251,150)	(545,693)		294,543	0	1,919	46,937	
3,681,341	0	4,438,757	55,598	45,733	114,939	0	(13,607)	4,438,757	(4,226)	1,610,240	0	2,824,290	(13,607)	23,878	(27,779)	0
(3,681,340)		(6,685,497)	1,349,010		(114,939)	0	1,380,176	(6,685,497)	(3,448,458)	(1,907,583)	0	(8,226,371)	1,380,176	(53,518)	27,503	0
(3,001,340)		(2,246,740)	1,404,608	(38,039)	(114,939)	0	1,366,570	(2,246,740)	(3,452,684)	(297,343)	0		1,366,570	(29,640)	(277)	0
O	,	(2,240,740)	1,404,000	(30,039)	(0)	U	1,300,370	(2,240,740)	(3,432,064)	(297,343)	O	(5,402,061)	1,300,370	(29,040)	(211)	U
		0	0				0	0	477,114	0		477,114	0	12,822		
0	0	(2,246,740)	1,404,608	(38,039)	(0)	0	1,366,570	(2,246,740)	(2,975,570)	(297,343)	0	(4,924,967)	1,366,570	(16,817)	(277)	0

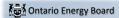
If you have a Class A customer, 1580 sub-account CBR Class B will be disposed through a rate rider calculated outside the model (if significant).

If you have only Class B customers, the balance applicable to Class B will be allocated and disposed with account 1580.

Please click if you have one or more Class A customers.

		2	2016		P		2.1.7 RRR				
Closing Interest Amounts as of Dec 31, 15	Principal Disposition during 2016 - instructed by OEB	isposition Disposition Balances as of Dec 31, Course 2016 - during 2016 - 2016 Adjusted for as Structed by instructed by Dispositions during		Closing Interest Balances as of Dec 31, 15 Adjusted for Disposition in 2016	Projected Interest from Jan 1, 2016 to December 31, 2016 on Dec 31 -15 balance adjusted for disposition during 2016 ³	Projected Interest from January 1, 2017 to April 30, 2017 on Dec 31 -15 balance adjusted for disposition during 2016 ³	Total Interest	Total Claim		As of Dec 31-15	Variance RRR vs. 2015 Balance (Principal + Interest)
4,294			575,120	4,294	6,326	2,109	12,729		587,850	579,415	
(148)			(31,211)		(343)	(114)	(606)		(31,817)	(31,360)	(1)
(19,802)			(3,079,200)	(19,802)	(33,871)	(11,290)	(64,963)		(3,144,164)	(2,759,401)	339,601
(10,002)			(0,010,200)	(10,002)	(66,61.1)	(11,200)	0	Check to Dispose of Account (Dis		(2,700,101)	000,000
1,134			338,467	1,134	3,723	1,241	6,098	Check to Dispose of Account	344,565	0	(339,601)
14,596			322,287	14,596	3,545	1,182	19,323	_	341,610	336,883	, , ,
12,085			(412,086)	12,085	(4,533)	(1,511)	6,041		(406,045)	(400,001)	(0)
(88,633)			(4,637,793)	(88,633)	(51,016)	(17,005)	(156,654)		(4,794,447)	(4,726,427)	(1)
38,051			2,824,290	38,051	31,067	10,356	79,474		2,903,765	2,862,342	C
0			C	0			0	Check to Dispose of Account	0	0	C
0			(0)	0			0	Check to Dispose of Account	0	0	(0)
0			(0)	0			0	Check to Dispose of Account	0	0	(0)
0			Ò	0			0	Check to Dispose of Account	0	0	Ò
0			C	0			0	Check to Dispose of Account	0	0	Ċ
1,420,648			(1,596,498)	1,420,648	(17,561)	(5,854)	1,397,232	Check to Dispose of Account	(199,266)	(175,851)	(0)
(45,018)			294,543	(45,018)			(45,018)	Check to Dispose of Account	0	249,525	C
38,051	0	C	2,824,290	38,051	31,067	10,356	79,474		2,903,765	2,862,342	C
1,299,155	0	C			(93,730)	(31,243)	1,174,182		(7,301,714)	(6,927,217)	(1)
1,337,207	0	0	(5,402,081)	1,337,207	(62,663)	(20,888)	1,253,656		(4,397,950)	(4,064,875)	(1)
12,822			477,114	12,822	5,248	1,749	19,820		496,934	481,097	(8,839)
1,350,029	0	O	(4,924,967)	1,350,029	(57,415)	(19,138)	1,273,476		(3,901,016)	(3,583,778)	(8,840)

\$496,934



Incentive Regulation Model for 2017 Filers

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

Click on the checkbox to confirm the accuracy of the

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

Rate Class	Unit	Total Metered kWh	Total Metered kW	Metered kWh for Non-RPP Customers	Metered kW for Non- RPP Customers	Wholesale Market	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 (2014) ¹	Account Class Allocation (\$ amounts)	Number of Customers for Residential and GS<50 classes ³
RESIDENTIAL SERVICE CLASSIFICATION	kWh	424,304,413	0	27,150,258	0			424,304,413	0	70%	\$83,740	47,518
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	125,782,373	0	18,705,558	0			125,782,373	0	19%	\$150,772	4,471
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	kW	644,165,900	1,640,396	581,251,576	1,495,147			644,165,900	1,640,396	10%	\$262,422	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,583,365	0	0	0			1,583,365	0	0%		
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	255,688	672	22,409	58			255,688	672	0%		
STREET LIGHTING SERVICE CLASSIFICATION	kW	7,092,580	20,270	7,030,180	19,789			7,092,580	20,270	1%		
_	Total	1,203,184,319	1,661,338	634,159,981	1,514,994	0	0	1,203,184,319	1,661,338	100%	\$496,934	51,989

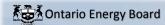
Threshold Test

Total Claim (including Account 1568) Total Claim for Threshold Test (All Group 1 Accounts) Threshold Test (Total claim per kWh) ² (\$3,901,016) (\$4,397,950) (\$0.0037) 1568 Account Balance from Continuity Schedule \$496,93
Total Balance of Account 1568 in Column R DOES NOT MATCH 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 Total non-	% of Customer	% of Total kWh adjusted for			allocated based on Total less WMP			allocated based on Total less WMP		
Rate Class	% of Total kWh	RPP kWh	Numbers **	WMP	1550	1551	1580	1584	1586	1588	1595_(2014)	1568
RESIDENTIAL SERVICE CLASSIFICATION	35.3%	4.3%	91.4%	35.3%	207,306	(29,081)	(987,282)	120,469	(143,192)	(1,690,768)	(139,669)	83,740
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	10.5%	2.9%	8.6%	10.5%	61,455	(2,736)	(292,674)	35,712	(42,448)	(501,217)	(36,899)	150,772
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	53.5%	91.7%	0.0%	53.5%	314,726	0	(1,498,861)	182,892	(217,390)	(2,566,871)	(19,867)	262,422
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	0.1%	0.0%	0.0%	0.1%	774	0	(3,684)	450	(534)	(6,309)	(413)	0
SENTINEL LIGHTING SERVICE CLASSIFICATION	0.0%	0.0%	0.0%	0.0%	125	0	(595)	73	(86)	(1,019)	(64)	0
STREET LIGHTING SERVICE CLASSIFICATION	0.6%	1.1%	0.0%	0.6%	3,465	0	(16,503)	2,014	(2,394)	(28,263)	(2,352)	0
Total	100.0%	100.0%	100.0%	100.0%	587,850	(31,817)	(2,799,599)	341,610	(406,045)	(4,794,447)	(199,266)	496,934

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



Below is a GA calculation based on non-RPP consumption data minus Class A consumption. If a Class B customer switched into Class A during the 2015 rate year click this checkbox:

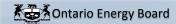
Identify the total billed consumption for former Class B customers prior to becoming Class A customers (i.e.Jan.1 to June 30, 2015) in columns G.

The purpose of this tab is to calculate the GA rate riders for all current Class B customers of the distributor.

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

		Total Metered Non-RPP	Total Metered Class A Consumption in 2015 (partial and/or full year Class A	Metered Consumption for Current Class B Customers (Non-RPP consumption LESS WMP, Class A and new Class A's former Class B		otal GA \$ allocated to Current Class B		
		consumption minus WMP	customers)*	consumption if applicable)	% of total kWh	Customers	GA Rate Rider	
		kWh	kWh	kWh				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	27,150,258		27,150,258	4.3%	\$124,319	\$0.0046	kWh
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	18,705,558		18,705,558	2.9%	\$85,651	\$0.0046	kWh
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	kWh	581,251,576		581,251,576	91.7%	\$2,661,501	\$0.0046	kWh
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	0		0	0.0%	\$0	\$0.0000	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kWh	22,409		22,409	0.0%	\$103	\$0.0046	kWh
STREET LIGHTING SERVICE CLASSIFICATION	kWh	7,030,180		7,030,180	1.1%	\$32,191	\$0.0046	kWh
	Total	634,159,981	(634,159,981	100.0%	\$2,903,765		

^{*}For new Class A customers (who became Class A in 2015), add their consumption only related to July to December period.



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

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

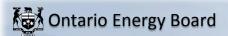
12	
12	Rate Rider Recovery to be used below

							Allocation of Group 1		Deferral/Variance		
				Total Metered	Total Metered	Allocation of Group 1	Account Balances to Non-	Deferral/Variance	Account Rate Rider for		
		Total Metered	Metered kW	kWh less WMP	kW less WMP	Account Balances to All	WMP Classes Only (If	Account Rate	Non-WMP	Account 1568	
Rate Class	Unit	kWh	or kVA	consumption	consumption	Classes 2	Applicable) ²	Rider ²	(if applicable) 2	Rate Rider	Revenue Reconcila
RESIDENTIAL SERVICE CLASSIFICATION	kWh	424,304,413	0	424,304,413	0	(2,662,217)		(0.0063)		0.0002	
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	125,782,373	0	125,782,373	0	(778,808)		(0.0062)		0.0012	
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	kW	644,165,900	1,640,396	644,165,900	1,640,396	(3,805,372)		(2.3198)		0.1600	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,583,365	0	1,583,365	0	(9,718)		(0.0061)		0.0000	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	255,688	672	255,688	672	(1,567)		(2.3316)		0.0000	
STREET LIGHTING SERVICE CLASSIFICATION	kW	7,092,580	20,270	7,092,580	20,270	(44,032)		(2.1723)		0.0000	

(7,301,714.09)

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

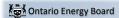
² Only for rate classes with WMP customers are the Deferral/Variance Account Rate Riders for Non-WMP (column H and J) calculated separately. For all rate classes without WMP customers, balances in account 1580 and 1588 are included in column G and disposed through a combined Deferral/Variance Account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



Summary - Sharing of Tax Change Forecast Amounts

For the 2015 year, enter any Tax Credits from the Cost of Service Tax Calculation (Positive #)

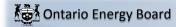
1. Tax Related Amounts Forecast from Capital Tax Rate Changes	2015	2017
Taxable Capital (if you are not claiming capital tax, please enter your OEB-Approved Rate Base)		\$ -
Deduction from taxable capital up to \$15,000,000		\$ -
Net Taxable Capital	\$ -	\$ -
Rate		0.00%
Ontario Capital Tax (Deductible, not grossed-up)	\$ -	\$ -
2. Tax Related Amounts Forecast from Income Tax Rate Changes Regulatory Taxable Income		\$ -
Corporate Tax Rate		15.000%
Tax Impact		\$ -
Grossed-up Tax Amount		\$ -
Tax Related Amounts Forecast from Capital Tax Rate Changes	\$ -	\$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	\$ -	\$ -
Total Tax Related Amounts	\$ -	\$ -
Incremental Tax Savings		\$ -
Sharing of Tax Amount (50%)		\$ -



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.

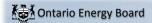
Rate Class		Re-based Billed Customers or Connections A		Re-based Billed kW C	Re-baed Service Charge D	Re-based Distribution Volumetric Rate kWh E	Re-based Distribution Volumetric Rate kW F	Service Charge Revenue G = A * D *12	Distribution Volumetric Rate Revenue kWh H = B * E	Distribution Volumetric Rate Revenue kW I = C * F		Service Charge % Revenue K = G / J	Distribution Volumetric Rate % Revenue kWh L = H / J	Distribution Volumetric Rate % Revenue kW M = I / J	Total % Revenue N = J / R
RESIDENTIAL SERVICE CLASSIFICATION	kWh							0	0	0	0	0.0%	0.0%	0.0%	0.0%
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh							0	0	0	0	0.0%	0.0%	0.0%	0.0%
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh							0	0	0	0	0.0%	0.0%	0.0%	0.0%
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
STREET LIGHTING SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
Total		0	n					0	0	0	0				0.0%

Rate Class		Total kWh (most recent RRR filing)	Total kW (most recent RRR filing)	Allocation of Tax Savings by Rate Class	Distribution Rate Rider		
RESIDENTIAL SERVICE CLASSIFICATION	kWh	424,304,413		0	0.00	\$/customer	If the allocated tax sharing amount does not produce a rate rider in one
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	125,782,373		0	0.0000	kWh	or more rate class (except for the Standby rate class), a distributor is
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	kW	644,165,900	1,640,396	0	0.0000	kW	required to transfer the entire OEB-approved tax sharing amount into
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,583,365		0	0.0000	kWh	account 1595 for disposition at a later date (see Filing Requirements,
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	255,688	672	0	0.0000	kW	Appendix B)
STREET LIGHTING SERVICE CLASSIFICATION	kW	7,092,580	20,270	0	0.0000	kW	гиреник в)
Total		1,203,184,319	1,661,338	\$0			

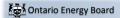


Columns E and F have been populated with data from the most recent RRR filing. Rate classes that have more than one Network or Connection charge will notice that the cells are highlighted in green and unlocked. If the data needs to be modified, please make the necessary adjustments and note the changes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

	Unit	Rate	Adjusted Metered	Adjusted	Applicable	Loss Adjusted
Rate Description			kWh	Metered kW	Loss Factor	Billed kWh
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071	424,304,413	0	1.0479	444,628,594
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0053	424,304,413	0	1.0479	444,628,594
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064	125,782,373	0	1.0479	131,807,349
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0046	125,782,373	0	1.0479	131,807,349
Retail Transmission Rate - Network Service Rate	\$/kW	2.6464	644,165,900	1,640,396		
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8580	644,165,900	1,640,396		
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064	1,583,365	0	1.0479	1,659,208
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0046	1,583,365	0	1.0479	1,659,208
Retail Transmission Rate - Network Service Rate	\$/kW	1.9593	255,688	672		
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.5526	255,688	672		
Retail Transmission Rate - Network Service Rate	\$/kW	2.0005	7,092,580	20,270		
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4275	7,092,580	20,270		
	Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate 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 - Network Service Rate	Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate S/kWh Retail Transmission Rate - Network Service Rate S/kWh Retail Transmission Rate - Network Service Rate S/kWh Retail Transmission Rate - Network Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate S/kWh Retail Transmission Rate - Network Service Rate S/kWh Retail Transmission Rate - Network Service Rate S/kWh Retail Transmission Rate - Network Service Rate	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 - Network Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate 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 - 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 - Network Service Rate	Rate Description kWh Retail Transmission Rate - Network Service Rate \$/kWh 0.0071 424,304,413 Retail Transmission Rate - Line and Transformation Connection Service Rate \$/kWh 0.0053 424,304,413 Retail Transmission Rate - Network Service Rate \$/kWh 0.0064 125,782,373 Retail Transmission Rate - Line and Transformation Connection Service Rate \$/kWh 0.0046 125,782,373 Retail Transmission Rate - Network Service Rate \$/kWh 2.6464 644,165,900 Retail Transmission Rate - Network Service Rate \$/kWh 0.0064 1,583,365 Retail Transmission Rate - Line and Transformation Connection Service Rate \$/kWh 0.0046 1,583,365 Retail Transmission Rate - Network Service Rate \$/kWh 0.0046 1,583,365 Retail Transmission Rate - Line and Transformation Connection Service Rate \$/kWh 1.9593 255,688 Retail Transmission Rate - Network Service Rate \$/kWh 1.5526 255,688 Retail Transmission Rate - Network Service Rate \$/kWh 2.0005 7,092,580	Retail Transmission Rate - Network Service Rate \$/kWh 0.0071 424,304,413 0 Retail Transmission Rate - Network Service Rate \$/kWh 0.0053 424,304,413 0 Retail Transmission Rate - Line and Transformation Connection Service Rate \$/kWh 0.0064 125,782,373 0 Retail Transmission Rate - Network Service Rate \$/kWh 0.0046 125,782,373 0 Retail Transmission Rate - Line and Transformation Connection Service Rate \$/kWh 0.0046 125,782,373 0 Retail Transmission Rate - Network Service Rate \$/kWh 2.6464 644,165,900 1,640,396 Retail Transmission Rate - Line and Transformation Connection Service Rate \$/kWh 1.8580 644,165,900 1,640,396 Retail Transmission Rate - Network Service Rate \$/kWh 0.0064 1,583,365 0 Retail Transmission Rate - Line and Transformation Connection Service Rate \$/kWh 0.0046 1,583,365 0 Retail Transmission Rate - Network Service Rate \$/kWh 0.0046 1,583,365 0 Retail Transmission Rate - Line and Transformation Connection Service Rate \$/kWh	Nate Description Retail Transmission Rate - Network Service Rate S/kWh 0.0071 424,304,413 0 1.0479



Uniform Transmission Rates	Unit		2015			2016		2017
Rate Description			Rate			Rate		Rate
Network Service Rate	kW	\$		3.78	\$	3.66	\$	3.66
Line Connection Service Rate	kW	\$		0.86	\$	0.87	\$	0.87
Transformation Connection Service Rate	kW	\$		2.00	\$	2.02	\$	2.02
Hydro One Sub-Transmission Rates	Unit		2015 - 201	6		2016		2017
Rate Description		Jan	- Apr 2015 Ma Rate	y - Jan 2016	Feb	Parte		Rate
Network Service Rate	kW	\$	3.23 \$	3.4121	\$	3.3396	\$	3.3396
Line Connection Service Rate	kW	\$	0.65 \$	0.7879	\$	0.7791	\$	0.7791
Transformation Connection Service Rate	kW	\$	1.62 \$	1.8018	\$	1.7713	\$	1.7713
Both Line and Transformation Connection Service Rate	kW	\$	2.27 \$	2.5897	\$	2.5504	\$	2.5504
If needed, add extra host here. (I)	Unit		2015			2016		2017
Rate Description			Rate			Rate		Rate
Network Service Rate	kW							
Line Connection Service Rate	kW							
Transformation Connection Service Rate	kW	\$		1.77	\$	1.77		
Both Line and Transformation Connection Service Rate	kW	\$		1.77	\$	1.77	\$	-
If needed, add extra host here. (II)	Unit		2015			2016		2017
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			Historical 20	015	Cu	rrent 2016	Fo	recast 2017
value)	\$							



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 Connec

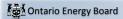
IESO		Network		Lie	e Connection	on	Transfe	mation Cor	nnection	Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	153,281	\$3.78	\$ 579,402	156,905	\$0.86	\$ 134,938	120,241	\$2.00	\$ 240,482	\$ 375,420
February March	170,327 146,475	\$3.78 \$3.78	\$ 643,838 \$ 553,677	172,204 157,591		\$ 148,096 \$ 135,528	129,518 119,537	\$2.00 \$2.00	\$ 259,036 \$ 239,074	\$ 407,132 \$ 374,602
April	126,462	\$3.78	\$ 478,028	128,520		\$ 135,528 \$ 110,527	98,181	\$2.00	\$ 239,074 \$ 196,362	\$ 306,889
May	148,833	\$3.78	\$ 562,590	163,065		\$ 140,236	123,670	\$2.00	\$ 247,340	\$ 387,576
June	156,029	\$3.78	\$ 589,789	158,003	\$0.86	\$ 135,882	118,829	\$2.00	\$ 237,658	\$ 373,540
July	202,862	\$3.78	\$ 766,820	191,673	\$0.86	\$ 164,838	145,031	\$2.00	\$ 290,062	\$ 454,900
August	193,295	\$3.78	\$ 730,656	194,458	\$0.86	\$ 167,234	145,582	\$2.00	\$ 291,164	\$ 458,398
September	185,843	\$3.78	\$ 702,486	196,841	\$0.86	\$ 169,283	148,701	\$2.00	\$ 297,402	\$ 466,685
October	115,620	\$3.78	\$ 437,045	123,926	\$0.86	\$ 106,576	94,998	\$2.00	\$ 189,996	\$ 296,572
November	126,190	\$3.78	\$ 477,000	133,004	\$0.86	\$ 114,383	99,818	\$2.00	\$ 199,636	\$ 314,019
December	125,952	\$3.78	\$ 476,100	139,559	\$0.86	\$ 120,021	104,676	\$2.00	\$ 209,352	\$ 329,373
Total	1,851,172	\$ 3.78	\$ 6,997,430	1,915,748	\$ 0.86	\$ 1,647,544	1,448,782	\$ 2.00	\$ 2,897,564	\$ 4,545,107
Hydro One		Network		Lin	e Connectio	on	Transfo	mation Co	nnection	Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	41.847	\$3.23	\$ 135.165	42.314	\$0.65	\$ 27.504	24.800	\$1.62	\$ 40.176	\$ 67.680
January February	41,847	\$3.23 \$3.23	\$ 135,165 \$ 139,516	42,314 43.607	\$0.65	\$ 27,504 \$ 28,345	24,800	\$1.62 \$1.62	\$ 40,176	\$ 67,680
March	35.824	\$3.23	\$ 115,712	35.985	\$0.65	\$ 28,345	20,700	\$1.62	\$ 43,263	\$ 71,000
April	31,754	\$3.23	\$ 102.565	33,176	\$0.65	\$ 23,390	18.700	\$1.62	\$ 34,860	\$ 51,858
May	36,280	\$3.41	\$ 123,791	36,519	\$0.79	\$ 28,773	20,932	\$1.80	\$ 37,714	\$ 66,488
June	40,669	\$3.41	\$ 138,767	40,677	\$0.79	\$ 32,050	23,134	\$1.80	\$ 41,682	\$ 73,732
July	48,401	\$3.41	\$ 165,147	48,409	\$0.79	\$ 38,141	26,695	\$1.80	\$ 48,100	\$ 86,241
August	47,665	\$3.41	\$ 162,636	47,736	\$0.79	\$ 37,611	26,093	\$1.80	\$ 47,015	\$ 84,626
September	47,949	\$3.41	\$ 163,608	47,961	\$0.79	\$ 37,788	26,788	\$1.80	\$ 48,267	\$ 86,055
October	33,955	\$3.41	\$ 115,858	33,996	\$0.79	\$ 26,786	19,667	\$1.80	\$ 35,435	\$ 62,221
November December	36,665 37,969	\$3.41 \$3.41	\$ 125,103 \$ 129,555	36,665 38,089	\$0.79 \$0.79	\$ 28,888 \$ 30,011	21,115 22,089	\$1.80 \$1.80	\$ 38,046 \$ 39,800	\$ 66,934 \$ 69,810
Total										
	482,171	3.35 Network	\$ 1,617,423		\$ 0.74 e Connection	,	278,236	\$ 1.74		\$ 845,504
Add Extra Host Here (I) (if needed)		Network		Lin	ie Connectio	on	Transio	mation Col	nnection	I otal Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January		s -			\$ -		8,979	\$ 1.7700	\$ 15,893	\$ 15,893
February		\$ -			\$ -		15,198	\$ 1.7700	\$ 26,901	\$ 26,901
March		\$ -			\$ -		11,365	\$ 1.7700	\$ 20,116	\$ 20,116
April		\$ -			\$ -		8,288	\$ 1.7700	\$ 14,670	\$ 14,670
May		\$ -			\$ -		7,065	\$ 1.7700	\$ 12,506	\$ 12,506
June		\$ - \$ -			\$ - \$ -		9,221	\$ 1.7700	\$ 16,321	\$ 16,321
July August		\$ - \$ -			\$ - \$ -		13,211 10,646	\$ 1.7700 \$ 1.7700	\$ 23,383 \$ 18,843	\$ 23,383 \$ 18,843
September		s - S -			\$ - \$ -		11,215	\$ 1.7700	\$ 19,850	\$ 19,850
October		\$ -			\$ -		8,264	\$ 1.7700	\$ 14,627	\$ 14,627
November		\$ -			\$ -		9,502	\$ 1.7700	\$ 16,818	\$ 16,818
December		s -			\$ -		9,600	\$ 1.7700	\$ 16,992	\$ 16,992
					y -			\$ 1.7700		
Total	- :	-	\$ -		\$ -	\$ -	122,554	\$ 1.77	\$ 216,921	\$ 216,921
Add Extra Host Here (II) (if needed)		Network		Lin	e Connection	on	Transfo	mation Cor	nnection	Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January		ş -			\$ -			\$ -		\$ -
February		ş -			\$ -			\$ -		\$ -
March		\$ -			\$ -			\$ -		\$ -
April		\$ -			\$ -			\$ -		\$ -
		\$ -			\$ -			\$ -		\$ -
May		\$-			\$ -			\$ -		\$ -
June					S -			\$ -		\$ -
June July		s -			e e					
June July August		\$ -			\$ -			\$ -		\$ -
June July August September		\$ - \$ -			\$ -			\$ -		\$ -
June July August September October		\$ - \$ - \$ -			\$ - \$ -			\$ - \$ -		\$ - \$ -
June July August September October November		\$ - \$ - \$ - \$ -			\$ -			\$ -		\$ - \$ - \$ -
June July August September October		\$ - \$ - \$ - \$ - \$ -	\$ -		\$ - \$ - \$ -	\$ -		\$ - \$ - \$ -	\$ -	\$ - \$ -
June July August September October November December		\$ - \$ - \$ - \$ - \$ -	\$ -		\$ - \$ - \$ - \$ -		Transfo	\$ - \$ - \$ - \$ -		\$ - \$ - \$ -
June July August September October November December		\$ - \$ - \$ - \$ - \$ -	\$ -	Lin Units Billed	\$ - \$ - \$ - \$ -		- Transfo Units Billed	\$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ -
June July August September October November December Total Total Month	- S	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount	Units Billed	\$ - \$ - \$ - \$ - Rate	on Amount	Units Billed	\$ - \$ - \$ - \$ - Rate	nnection Amount	\$ - \$ - \$ - \$ - Total Line
June July August September October November December Total Month January	Units Billed	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 714,567	Units Billed	\$ - \$ - \$ - \$ - E Connection Rate	Amount \$ 162,443	Units Billed	\$ - \$ - \$ - \$ - Rate	Amount \$ 296,551	\$ - \$ - \$ - \$ - Total Line Amount \$ 458,994
June July August September October November December Total Total Month	Units Billed	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 714,567 \$ 783,354	Units Billed 199,219 215,812	\$ - \$ - \$ - \$ - \$ - E Connection Rate \$ 0.8154 \$ 0.8176	Amount \$ 162,443 \$ 176,441	Units Billed 154,020 171,422	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 296,551 \$ 329,200	\$ - \$ - \$ - \$ - Total Line Amount \$ 458,99- \$ 505,64
June July August September October November December Total Month January February March	Units Billed 195,128 213,521 182,229	S - S - S - S - S - S - S - S - S - S -	Amount \$ 714,567 \$ 783,354 \$ 669,388	Units Billed 199,219 215,812 193,576	\$ - \$ - \$ - \$ - \$ - E Connection Rate \$ 0.8154 \$ 0.8176 \$ 0.8210	Amount \$ 162,443 \$ 176,441 \$ 158,918	Units Billed 154,020 171,422 152,420	\$ - \$ - \$ - \$ - \$ - Rate \$ 1.9254 \$ 1.9204 \$ 1.9292	Amount \$ 296,551 \$ 329,200 \$ 294,049	\$ - \$ - \$ - \$ - Total Line Amount \$ 458,99- \$ 505,64 \$ 452,96i
June July August September October November December Total Total Month January February March April	Units Billed 195,128 213,521 182,299 158,216 1	S - S - S - S - S - S - S - S - S - S -	Amount \$ 714,567 \$ 783,354 \$ 669,388 \$ 580,593	Units Billed 199,219 215,812 193,576 161,697	\$ - \$ - \$ - \$ - \$ - ECONNECTION Rate \$ 0.8154 \$ 0.8176 \$ 0.8210 \$ 0.8169	Amount \$ 162,443 \$ 176,441 \$ 158,918 \$ 132,092	Units Billed 154,020 171,422 152,420 125,169	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 296,551 \$ 329,200 \$ 294,049 \$ 241,326	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
June July August September October November December Total Month January February March April May	Units Billed 195,128 : 213,521 : 182,299 : 158,216 : 185,113 : 18	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 714,567 \$ 783,354 \$ 669,388 \$ 580,593 \$ 686,381	Units Billed 199,219 215,812 193,576	\$ - \$ - \$ - \$ - \$ - ECONNECTION Rate \$ 0.8154 \$ 0.8176 \$ 0.8210 \$ 0.8169	Amount \$ 162,443 \$ 176,441 \$ 158,918 \$ 132,092 \$ 169,010	Units Billed 154,020 171,422 152,420	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 296,551 \$ 329,200 \$ 294,049	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
June July August September October November December Total Total Month January February March April May June	Units Billed 195,128 : 213,521 182,299 158,216 185,113 196,698	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 714,567 \$ 783,354 \$ 669,388 \$ 580,593 \$ 686,381 \$ 728,556	Units Billed 199,219 215,812 193,576 161,697 199,585 198,680	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 162,443 \$ 176,441 \$ 158,918 \$ 132,092 \$ 169,010 \$ 167,932	Units Billed 154,020 171,422 152,420 125,169 151,667 151,184	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 296,551 \$ 329,200 \$ 294,049 \$ 241,326 \$ 297,560 \$ 295,661	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
June July August September October November December Total Total Month January February March April May June July	Units Billed 195,128 213,521 182,299 158,216 185,113 196,688 251,263	S - S - S - S - S - S - S - S - S - S -	Amount \$ 714,567 \$ 783,354 \$ 669,388 \$ 580,593 \$ 686,381 \$ 728,556 \$ 931,967	Units Billed 199,219 215,812 193,576 161,697 199,568 198,680 240,081	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 162,443 \$ 176,441 \$ 158,918 \$ 132,092 \$ 169,010 \$ 167,932 \$ 202,980	Units Billed 154,020 171,422 152,420 125,169 151,667 151,184 184,937	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 296,551 \$ 329,200 \$ 294,049 \$ 241,326 \$ 297,560 \$ 295,661 \$ 361,545	\$ - \$ - \$ - \$ - Total Line Amount \$ 458,99 \$ 505,64 \$ 452,96 \$ 373,41 \$ 465,57 \$ 463,59 \$ 564,52
June July August September October November December Total Total Month January February March April May June	Units Billed 195,128 213,521 182,299 158,216 185,113 196,698 251,263 240,960 233,792	S - S - S - S - S - S - S - S - S - S -	Amount \$ 714,567 \$ 783,354 \$ 669,388 \$ 580,593 \$ 686,381 \$ 728,556 \$ 931,967 \$ 893,292 \$ 866,093	Units Billed 199,219 215,812 193,576 161,697 199,585 198,680	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 162,443 \$ 176,441 \$ 158,918 \$ 132,092 \$ 169,010 \$ 167,932 \$ 202,980 \$ 204,845	Units Billed 154,020 171,422 152,420 125,169 151,667 151,184 184,937 182,321	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 296,551 \$ 329,200 \$ 294,049 \$ 241,326 \$ 297,560 \$ 295,661 \$ 361,545 \$ 357,022	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
June July August September October November December Total Total Month January February March April May June July August September	Units Billed 195,128 213,521 182,299 158,216 185,113 196,698 251,263 240,960 233,792	S - S - S - S - S - S - S - S - S - S -	Amount \$ 714,567 \$ 783,354 \$ 669,388 \$ 580,593 \$ 686,381 \$ 728,556 \$ 931,967 \$ 893,292 \$ 866,093	Units Billed 199,219 215,812 193,576 161,697 199,585 198,680 240,081 242,193 244,802	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 162,443 \$ 176,441 \$ 158,918 \$ 132,092 \$ 169,010 \$ 167,932 \$ 202,980 \$ 204,845 \$ 207,072	Units Billed 154,020 171,422 152,420 125,169 151,667 151,184 184,937 182,321 186,704	S - S - S - S - S - S - S - S - S - S -	Amount \$ 296,551 \$ 329,200 \$ 294,049 \$ 241,326 \$ 297,560 \$ 295,661 \$ 361,545 \$ 357,022 \$ 365,519	\$ \$
June July August September October November December Total Total Month January February March April May June July August	Units Billed 195,128 213,521 182,299 158,216 185,113 196,698 251,263 240,960 233,792 149,575 162,875	Network Rate 5 3.6620 5 3.6687 6 3.6719 6 3.6719 6 3.7039 6 3.7039 6 3.7039 6 3.7039 6 3.7035 6 3.7045 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705	Amount \$ 714,567 \$ 783,354 \$ 669,388 \$ 580,593 \$ 686,381 \$ 728,556 \$ 931,967 \$ 893,292 \$ 866,093 \$ 866,093	Units Billed 199,219 215,812 193,576 161,697 199,585 198,680 240,081 242,193	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 162,443 \$ 176,441 \$ 158,918 \$ 132,092 \$ 169,010 \$ 167,932 \$ 202,980 \$ 204,845	Units Billed 154,020 171,422 152,420 125,169 151,667 151,184 184,937 182,321	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 296,551 \$ 329,200 \$ 294,049 \$ 241,326 \$ 297,560 \$ 295,661 \$ 361,545 \$ 367,022 \$ 365,519 \$ 240,058	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
June July August September October November December Total Month January February March April May June July August September October	Units Billed 195,128 213,521 182,299 158,216 185,113 196,698 251,263 240,960 233,792 149,575 162,875	Network Rate \$ 3,6620 \$ 3,6687 \$ 3,6719 \$ 3,7039 \$ 3,7039 \$ 3,7045 \$ 3,7045 \$ 3,7045	Amount \$ 714,567 \$ 783,354 \$ 669,388 \$ 580,593 \$ 686,381 \$ 728,556 \$ 931,967 \$ 893,292 \$ 866,093 \$ 686,093	Units Billed 199,219 215,812 193,576 161,697 199,585 198,680 240,081 242,193 244,802 157,922 169,668	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 162,443 \$ 176,441 \$ 158,918 \$ 132,092 \$ 169,010 \$ 167,932 \$ 202,890 \$ 204,845 \$ 207,072 \$ 133,362	Units Billed 154,020 171,422 152,420 125,169 151,667 151,184 184,937 182,321 186,704 122,928	\$ \$ \$ \$ \$ \$ 1.9254 \$ 1.9292 \$ 1.9269 \$ 1.9560 \$ 1.9550 \$ 1.9550 \$ 1.9550 \$ 1.9550 \$ 1.9552 \$ 1.9528	Amount \$ 296.551 \$ 329.200 \$ 294.049 \$ 241.326 \$ 297.560 \$ 295.661 \$ 365.519 \$ 365.519 \$ 240.058	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
June July August September October November December Total Month January February March April May June July August September October November	Units Billed 195,128 213,521 182,299 158,216 185,113 196,698 251,263 240,960 233,792 149,575 162,875	Network Rate 5 3.6620 5 3.6687 6 3.6719 6 3.6719 6 3.7039 6 3.7039 6 3.7039 6 3.7039 6 3.7035 6 3.7045 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705 6 3.705	Amount \$ 714,567 \$ 783,354 \$ 669,388 \$ 580,593 \$ 686,381 \$ 728,556 \$ 931,967 \$ 893,292 \$ 866,093 \$ 866,093	Units Billed 199,219 215,812 193,576 161,697 199,585 198,680 240,081 242,193 244,802 157,922 169,668	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 162,443 \$ 176,441 \$ 158,918 \$ 132,092 \$ 169,010 \$ 202,980 \$ 202,980 \$ 204,845 \$ 207,072 \$ 133,362 \$ 143,271	Units Billed 154,020 1771,422 152,420 125,169 151,667 151,184 184,937 182,321 186,704 122,928 130,435	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Amount \$ 296,551 \$ 329,200 \$ 294,049 \$ 241,326 \$ 297,560 \$ 295,661 \$ 361,545 \$ 367,022 \$ 365,519 \$ 240,058	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -

Ontario Energy Board

Incentive Regulation Model for 2017 Filers

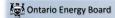
The purpose of this sheet is to calculate the expected billing when current 2016 Uniform Transmission Rates are applied against historical 2015 transmission units

IESO		Network		Lin	e Connection		Transfor	mation Con	nection	Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January February March April May June	170,327 146,475 126,462 148,833 156,029	\$ 3.6600 \$ 3.6600 \$ 3.6600 \$	\$ 623,398 \$ 536,100 \$ 462,853 \$ 544,730 \$ 571,066	172,204 157,591 128,520 163,065 158,003	\$ 0.8700 \$ \$ 0.8700 \$ \$ 0.8700 \$ \$ 0.8700 \$ \$ 0.8700 \$ \$ 0.8700 \$	149,818 137,104 111,813 141,867 137,462	120,241 129,518 119,537 98,181 123,670 118,829	\$ 2.0200 \$ 2.0200 \$ 2.0200 \$ 2.0200 \$ 2.0200	\$ 242,887 \$ 261,626 \$ 241,465 \$ 198,326 \$ 249,813 \$ 240,035	\$ 379,394 \$ 411,444 \$ 378,569 \$ 310,138 \$ 391,680 \$ 377,497
July August September October November December Total	202,862 193,295 185,843 115,620 126,190 125,952	\$ 3.6600 \$ 3.6600 \$ 3.6600 \$ 3.6600 \$	\$ 680,185 \$ 423,170 \$ 461,857 \$ 460,986	194,458 196,841 123,926 133,004 139,559	\$ 0.8700 \$ 0.8700 \$ 0.8700 \$ 0.8700 \$ 0.8700 \$ 0.8700 \$ 0.8700 \$ 0.8700 \$	6 169,178 6 171,252 6 107,815 6 115,713 6 121,417		\$ 2.0200 \$ 2.0200 \$ 2.0200 \$ 2.0200 \$ 2.0200	\$ 292,962 \$ 294,076 \$ 300,376 \$ 191,896 \$ 201,632 \$ 211,446 \$ 2,926,539	\$ 459,717 \$ 463,254 \$ 471,628 \$ 299,711 \$ 317,345 \$ 332,862 \$ 4,593,241
	1,651,172	3.00	\$ 0,773,290			1,666,701			\$ 2,920,039	
Hydro One		Network			e Connection	l i	Transfor	mation Con	nection	Total Line
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	41,847 43,194 35,824 31,754 36,280 40,669 48,401 47,665 47,949 33,955 36,665 37,969	\$ 3.3396 5 \$ 3.3396 5 \$ 3.3396 5	144,250 119,638 106,045 121,161 135,819 161,638 159,181 160,131 113,396 122,445 126,803	43,607 35,985 33,176 36,519 40,677 48,409 47,736 47,961 33,996 36,665 38,089	\$ 0.7879 \$ 0.7791 \$ 0	33,974 28,036 25,848 6 28,452 31,692 37,715 37,191 37,366 6 26,487 28,565 29,675	24,800 26,706 21,518 18,700 20,932 23,134 26,695 26,788 19,667 21,115 22,089	\$ 1.7713 \$ 1.7713	\$ 44,685 \$ 47,304 \$ 38,116 \$ 33,123 \$ 37,076 \$ 40,977 \$ 47,285 \$ 46,219 \$ 47,450 \$ 34,836 \$ 37,402 \$ 39,126 \$ 493,597	\$ 78,024 \$ 81,278 \$ 66,152 \$ 58,970 \$ 65,528 \$ 72,669 \$ 85,001 \$ 83,410 \$ 84,816 \$ 61,322 \$ 65,967 \$ 68,801
Add Extra Host Here (I)		Network		Lin	e Connection	l I	Transfor	mation Con	nection	Total Line
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		\$ - ! \$ - ! \$ - ! \$ - ! \$ - !		-	999999999999999999999999999999999999999		8.979 15.198 11,365 8,288 7,065 9,221 13,211 10,646 11,215 8,264 9,502 9,600	\$ 1.7700 \$ 1.7700	\$ 15,893 \$ 26,901 \$ 20,116 \$ 14,670 \$ 12,506 \$ 16,321 \$ 23,383 \$ 18,843 \$ 19,850 \$ 14,627 \$ 16,818 \$ 16,992	\$ 15.893 \$ 26.901 \$ 20.116 \$ 14,670 \$ 12.506 \$ 16,321 \$ 23,383 \$ 18,843 \$ 19,850 \$ 14,627 \$ 16,818 \$ 16.992
Total		\$ - :	-		\$ - \$		122,554	\$ 1.77	\$ 216,921	\$ 216,921
Add Extra Host Here (II)		Network			e Connection	l	Transfor	mation Con	nection	Total Line
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	- - - - - - - - - - -			-	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$	555555555555555555555555555555555555555
Total		\$ - :	-		\$ - \$	-		\$ -	\$ -	\$ -
Total		Network		Lin	e Connection	l	Transfor	mation Cor	nection	Total Line
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	213,521 182,299 158,216 185,113 196,698 251,263 240,960 233,792 149,575 162,855 163,922	\$ 3.5957 \$ 3.5972 \$ 3.5972 \$ 3.5938 \$ 3.5983 \$ 3.5983 \$ 3.5966 \$ 3.5943 \$ 3.5873 \$ 3.5879 \$ 3.5879 \$ 3.5858	767,649 5 655,738 5 68,897 5 665,891 706,884 904,114 5 840,316 5 536,566 5 584,302 587,788	215,812 193,576 161,697 199,585 198,680 240,081 242,193 244,802 157,922 169,668 177,649	\$ 0.8526 \$ 0.8516 \$ 0.8531 \$ 0.8531 \$ 0.8531 \$ 0.8534 \$ 0.8534 \$ 0.8544 \$ 0.8544 \$ 0.8522 \$ 0.8504 \$ 0.8504 \$ 0.8505 \$	183,792 165,140 137,660 170,319 169,154 204,470 206,369 208,618 134,302 144,278 151,092	171,422 152,420 125,169 151,667 151,184 184,937 182,321 186,704 122,928 130,435 136,365	\$ 1.9591 \$ 1.9662 \$ 1.9663 \$ 1.9740 \$ 1.9667 \$ 1.9662 \$ 1.9698 \$ 1.9693 \$ 1.9634 \$ 1.9615	\$ 303,464 \$ 335,831 \$ 299,696 \$ 246,118 \$ 299,395 297,332 \$ 363,631 \$ 367,676 \$ 241,358 \$ 255,852 \$ 267,564	\$ 473,311 \$ 519,624 \$ 464,836 \$ 383,779 \$ 469,714 \$ 466,486 \$ 568,102 \$ 565,507 \$ 576,294 \$ 375,60 \$ 400,130 \$ 418,656
Total	2,333,343	\$ 3.60	8,388,581	2,400,884	\$ 0.85 \$	2,045,043	1,849,572	\$ 1.97	\$ 3,637,057	\$ 5,682,100



The purpose of this sheet is to calculate the expected billing when forecasted 2017 Uniform Transmission Rates are applied against historical 2015 transmission units.

IESO		Network		Lin	e Connection	1	Transfo	mation Con	nection	Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	153,281	\$ 3.6600	\$ 561,009	156.905	\$ 0.8700 \$	136.507	120.241	\$ 2.0200	\$ 242,887	\$ 379,394
February	170,327	\$ 3.6600	\$ 623,398	172,204	\$ 0.8700 \$	149,818	129,518	\$ 2.0200	\$ 261,626	\$ 411,444
March	146,475	\$ 3.6600	\$ 536,100		\$ 0.8700 \$				\$ 241,465	\$ 378,569
April	126,462	\$ 3.6600	\$ 462,853		\$ 0.8700 \$	111,813	98,181	\$ 2.0200	\$ 198,326	\$ 310,138
Mav	148,833	\$ 3.6600	\$ 544,730	163.065	\$ 0.8700 \$	141,867	123,670	\$ 2.0200	\$ 249,813	\$ 391,680
June	156.029	\$ 3.6600	\$ 571,066		\$ 0.8700		118,829		\$ 240,035	\$ 377,497
July	202.862	\$ 3.6600 \$ 3.6600	\$ 742,476		\$ 0.8700			\$ 2.0200	\$ 292,962	\$ 459,717
August	193,295	\$ 3.6600	\$ 707,461	194,458	\$ 0.8700		145,582		\$ 294,076	\$ 463,254
September	185,843	\$ 3.6600	\$ 680,185		\$ 0.8700				\$ 300,376	\$ 471,628
October	115,620	\$ 3.6600	\$ 423,170		\$ 0.8700 \$		94,998	\$ 2.0200	\$ 191,896	\$ 299,711
November	126,190	\$ 3.6600	\$ 461,857		\$ 0.8700 \$	115,713		\$ 2.0200	\$ 201,632	\$ 317,345
December	125,952	\$ 3.6600	\$ 460,986	139,559	\$ 0.8700 \$	121,417	104,676	\$ 2.0200	\$ 211,446	\$ 332,862
Total	1,851,172	\$ 3.66	\$ 6,775,290	1,915,748	\$ 0.87 \$	1,666,701	1,448,782	\$ 2.02	\$ 2,926,539	\$ 4,593,241
Hydro One		Network		Lin	e Connectior	1	Transfo	mation Con	nection	Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	41,847	\$ 3.3396	\$ 139,751	42,314	\$ 0.7791 \$	32,967	24,800	\$ 1.7713	\$ 43,928	\$ 76,895
February	43,194	\$ 3.3396	\$ 144,250	43,607	\$ 0.7791	33,974	26,706	\$ 1.7713	\$ 47,304	\$ 81,278
March	35,824	\$ 3.3396	\$ 119,638		\$ 0.7791	28,036	21,518	\$ 1.7713	\$ 38,116	\$ 66,152
April	31,754	\$ 3.3396	\$ 106,045	33,176	\$ 0.7791	25,848	18,700	\$ 1.7713	\$ 33,123	\$ 58,970
May	36,280	\$ 3.3396	\$ 121,161		\$ 0.7791 \$	28,452	20,932	\$ 1.7713	\$ 37,076	\$ 65,528
June	40,669	\$ 3.3396	\$ 135,819	40,677	\$ 0.7791	31,692	23,134	\$ 1.7713	\$ 40,977	\$ 72,669
July	48.401	\$ 3.3396	\$ 161,638		\$ 0.7791				\$ 47,285	\$ 85,001
August	47,665	\$ 3.3396	\$ 159,181		\$ 0.7791				\$ 46,219	\$ 83,410
September	47,949	\$ 3.3396	\$ 160,131		\$ 0.7791				\$ 47,450	\$ 84,816
October	33,955	\$ 3.3396	\$ 113,396		\$ 0.7791				\$ 34,836	\$ 61,322
November	36,665	\$ 3.3396	\$ 122,445	36,665	\$ 0.7791	28,565	21,115	\$ 1.7713	\$ 37,402	\$ 65,967
December	37,969	\$ 3.3396	\$ 126,803	38.089	\$ 0.7791	29,675		\$ 1.7713	\$ 39,126	\$ 68,801
Total	. ,						****			
	482,171	\$ 3.34	\$ 1,610,258		\$ 0.78 \$	377,969	278,236	\$ 1.77	\$ 492,840	
Add Extra Host Here (I)		Network		Lin	e Connection	ı	Transfor	mation con	nection	Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -		\$ - 5	-	8,979	\$ -	\$ -	\$ -
February	-	\$ -	\$ -		\$ - \$	-	15,198	\$ -	\$ -	\$ -
March	-	\$ -	\$ -		\$ - \$				\$ -	\$ -
April	-	\$ -	\$ -		\$ - \$	-			\$ -	\$ -
May	-	\$ -	\$ -		\$ - \$				\$ -	\$ -
June	-	\$ -	\$ -	-	\$ - 5	-	9,221	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ - 5	-	13,211	\$ -	\$ -	\$ -
August	-	\$ -	\$ -		\$ - 5				\$ -	\$ -
September		\$ -	\$ -		\$ - \$	-	11,215	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ - \$	-	8,264	\$ -	\$ -	\$ -
November	-	\$ -	\$ -		\$ - \$				\$ -	\$ -
December		\$ -	\$ -		\$ - 5				\$ -	\$ -
Total		\$ -	\$ -		\$ - \$		122,554	•	\$ -	\$ -
Add Extra Host Here (II)		Network		Lin	e Connectior	1	Transfor	mation Con	nection	Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -		\$ - 5		-	\$ -	\$ -	\$ -
February		\$ -	\$ -		\$ - 5	-		\$ -	\$ -	s -
March		\$ -	\$ -		\$ - \$	-		\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ - \$	-	-	\$ -	\$ -	\$ -
May	-		\$ -		\$ - \$				\$ -	\$ -
June		\$ -	\$ -		\$ - \$	-	-	\$ -	\$ -	\$ -
July		\$ -	\$ -		\$ - \$	-	-	\$ -	\$ -	\$ -
August		\$ -	\$ -		\$ - \$	-	-		\$ -	\$ -
September		\$ -	\$ -		\$ - \$	-	-		\$ -	\$ -
October	-	\$ -	\$ -		\$ - 5	-	-	\$ -	\$ -	\$ -
November		\$ -	\$ -		\$ - \$		-		\$ -	\$ -
December		\$ -	\$ -		\$ - \$	-		\$ -	\$ -	\$ -
Total	-									
			<u> </u>		s - 9			\$ -	\$ -	s -
Total	-	\$ -	\$ -		\$ - \$		Transfer	•	s -	\$ -
Total	-		\$ -		\$ - S		Transfor	\$ -	*	\$ - Total Line
Month	Units Billed	\$ - Network	Amount	Lin Units Billed	e Connection	Amount	Units Billed	mation Con	nection	Total Line Amount
Month January	195,128	Network Rate \$ 3.59	Amount \$ 700,760	Lin Units Billed 199,219	e Connection Rate \$ 0.85 \$	Amount 169,475	Units Billed	mation Con Rate	nection Amount \$ 286,815	Total Line Amount \$ 456,290
Month January February	195,128 213,521	Network Rate \$ 3.59 \$ 3.60	Amount \$ 700,760 \$ 767,649	Units Billed 199,219 215.812	e Connection Rate \$ 0.85 \$ \$ 0.85 \$	Amount 6 169,475 6 183,792	Units Billed 154,020 171,422	mation Con Rate	nection Amount \$ 286,815	Total Line Amount \$ 456,290 \$ 492,723
Month January February March	195,128 213,521 182,299	\$ - Network Rate \$ 3.59 \$ 3.60 \$ 3.60	Amount \$ 700,760 \$ 767,649 \$ 655,738	Units Billed 199,219 215,812 193,576	e Connection Rate \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$	Amount 5 169,475 6 183,792 6 165,140	Units Billed 154,020 171,422 152,420	Rate \$ 1.86 \$ 1.80 \$ 1.83	nection Amount \$ 286,815 \$ 308,930 \$ 279,580	Total Line Amount \$ 456,290 \$ 492,723 \$ 444,720
Month January February March April	195,128 213,521 182,299 158,216	\$ - Network Rate \$ 3.59 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60	Amount \$ 700,760 \$ 767,649 \$ 655,738 \$ 568,897	Units Billed 199,219 215,812 193,576 161,697	Rate \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$	Amount 5 169,475 6 183,792 6 165,140 6 137,660	Units Billed 154,020 171,422 152,420 125,169	Rate \$ 1.86 \$ 1.80 \$ 1.83 \$ 1.85	*** Amount *** 286,815 *** 308,930 *** 279,580 *** 231,448	**Total Line Amount \$ 456,290 \$ 492,723 \$ 444,720 \$ 369,109
Month January February March April May	195,128 213,521 182,299 158,216 185,113	\$ - Network Rate \$ 3.59 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60	Amount \$ 700,760 \$ 767,649 \$ 655,738 \$ 568,897 \$ 665,891	Units Billed 199,219 215,812 193,576 161,697 199,585	Rate \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$	Amount 5 169,475 6 183,792 6 165,140 6 137,660 70,319	Units Billed 154,020 171,422 152,420 125,169 151,667	Rate \$ 1.86 \$ 1.80 \$ 1.83 \$ 1.85 \$ 1.89	*** Amount *** 286,815 *** 308,930 *** 279,580 *** 231,448 *** 286,889	Total Line Amount \$ 456,290 \$ 492,723 \$ 444,720 \$ 369,109 \$ 457,208
Month January February March April May June	195,128 213,521 182,299 158,216 185,113 196,698	\$ - Network Rate \$ 3.59 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.59	Amount \$ 700,760 \$ 767,649 \$ 655,738 \$ 568,897 \$ 665,891 \$ 706,884	Units Billed 199,219 215,812 193,576 161,697 199,585 198,680	Rate \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ \$ 0.85 \$ \$ \$ \$ 0.85 \$ \$ \$ \$ \$ 0.85 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Amount 169,475 183,792 165,140 137,660 170,319 169,154	Units Billed 154,020 171,422 152,420 125,169 151,667 151,184	Rate \$ 1.86 \$ 1.80 \$ 1.83 \$ 1.85 \$ 1.89 \$ 1.86	Amount \$ 286,815 \$ 308,930 \$ 279,580 \$ 231,448 \$ 286,889 \$ 281,011	Total Line Amount \$ 456,290 \$ 492,723 \$ 444,720 \$ 369,109 \$ 457,208 \$ 450,166
Month January February March April May June July	195,128 213,521 182,299 158,216 185,113 196,698 251,263	\$ - Network Rate \$ 3.59 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60	Amount \$ 700,760 \$ 767,649 \$ 655,738 \$ 568,897 \$ 665,891 \$ 706,884 \$ 904,114	Units Billed 199,219 215,812 193,576 161,697 199,585 198,680 240,081	© Connection Rate \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$	Amount 6 169,475 6 183,792 6 165,140 6 137,660 6 170,319 6 169,154 6 204,470	Units Billed 154,020 171,422 152,420 125,169 151,667 151,184 184,937	Rate \$ 1.86 \$ 1.80 \$ 1.83 \$ 1.85 \$ 1.89 \$ 1.86 \$ 1.89 \$ 1.86 \$ 1.84	Amount \$ 286,815 \$ 308,930 \$ 279,580 \$ 231,448 \$ 286,889 \$ 281,011 \$ 340,248	Total Line Amount \$ 456,290 \$ 492,723 \$ 444,720 \$ 369,109 \$ 457,208 \$ 450,166 \$ 544,718
Month January February March April May June July August	195,128 213,521 182,299 158,216 185,113 196,698 251,263 240,960	Network Rate \$ 3.59 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.59 \$ 3.60 \$ 3.60 \$ 3.59 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60	Amount \$ 700,760 \$ 767,649 \$ 655,738 \$ 568,897 \$ 665,891 \$ 706,884 \$ 904,114 \$ 866,641	Units Billed 199,219 215,812 193,576 161,697 199,585 198,680 240,081 242,193	**Connection** **Rate** ** 0.85	Amount 5 169,475 6 183,792 6 165,140 6 137,660 6 170,319 6 169,154 204,470 6 206,369	Units Billed 154,020 171,422 152,420 125,169 151,667 151,184 184,937 182,321	Rate \$ 1.86 \$ 1.80 \$ 1.85 \$ 1.85 \$ 1.86 \$ 1.87	*** Amount *** 286,815 ** 308,930 ** 279,580 ** 231,448 ** 286,889 ** 281,011 ** 340,248 ** 340,295	Total Line Amount \$ 456,290 \$ 492,723 \$ 494,720 \$ 369,109 \$ 457,208 \$ 450,166 \$ 544,718 \$ 546,664
Month January February March April May June July	195,128 213,521 182,299 158,216 185,113 196,698 251,263	Network Rate \$ 3.59 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.69 \$ 3.69 \$ 3.59 \$ 3.60 \$ 3.59 \$ 3.60 \$ 3.60 \$ 3.60	Amount \$ 700,760 \$ 767,649 \$ 655,738 \$ 568,897 \$ 665,891 \$ 706,884 \$ 904,114 \$ 866,641 \$ 840,316	Units Billed 199,219 215,812 193,576 161,697 199,585 198,680 240,081 242,193 244,802	**Connection** **Rate** ** 0.85	Amount 6 169,475 6 183,792 6 165,140 6 137,660 6 170,319 6 169,154 6 204,470 206,369 6 208,618	Units Billed 154,020 171,422 152,420 125,169 151,667 151,184 184,937 182,321	mation Con Rate \$ 1.86 \$ 1.80 \$ 1.83 \$ 1.85 \$ 1.89 \$ 1.86 \$ 1.84 \$ 1.87 \$ 1.87	*** Amount ** 286,815 ** 308,930 ** 279,580 ** 231,448 ** 286,889 ** 281,011 ** 340,248 ** 340,295 ** 347,826	Total Line Amount \$ 456,290 \$ 492,723 \$ 444,720 \$ 369,109 \$ 457,208 \$ 450,166 \$ 544,718 \$ 546,664
Month January February March April May June July August	195,128 213,521 182,299 158,216 185,113 196,698 251,263 240,960 233,792 149,575	Rate \$ 3.59 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.59 \$ 3.60 \$ 3.59 \$ 3.59 \$ 3.59	Amount \$ 700,760 \$ 767,649 \$ 655,738 \$ 665,891 \$ 706,884 \$ 904,114 \$ 866,641 \$ 40,316 \$ 536,566	Units Billed 199,219 215,812 193,576 161,697 199,585 198,680 240,081 242,193 244,802	Rate \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ \$ \$ 0.85 \$ \$ \$ \$ 0.85 \$ \$ \$ \$ 0.85 \$ \$ \$ \$ 0.85 \$ \$ \$ \$ \$ 0.85 \$ \$ \$ \$ \$ 0.85 \$ \$ \$ \$ \$ 0.85 \$ \$ \$ \$ \$ 0.85 \$ \$ \$ \$ \$ \$ 0.85 \$ \$ \$ \$ \$ \$ 0.85 \$ \$ \$ \$ \$ \$ 0.85 \$ \$ \$ \$ \$ \$ \$ 0.85 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Amount 6 169,475 6 183,792 6 165,140 6 137,660 6 170,319 6 169,154 6 204,470 6 206,369 208,618 6 134,302	Units Billed 154,020 171,422 152,169 151,667 151,184 184,937 182,321 186,704	Rate \$ 1.86 \$ 1.80 \$ 1.83 \$ 1.85 \$ 1.85 \$ 1.86 \$ 1.84 \$ 1.87 \$ 1.86 \$ 1.884	Amount \$ 286,815 \$ 308,930 \$ 279,580 \$ 231,448 \$ 286,889 \$ 281,011 \$ 340,248 \$ 340,295 \$ 347,826 \$ 226,731	Total Line Amount \$ 456,290 \$ 492,723 \$ 444,720 \$ 369,109 \$ 457,208 \$ 450,166 \$ 544,718 \$ 546,664 \$ 556,444 \$ 361,033
Month January February March April May June July August September	195,128 213,521 182,299 158,216 185,113 196,698 251,263 240,960 233,792	\$ - Network Rate \$ 3.59 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.59 \$ 3.60 \$ 3.59 \$ 3.59 \$ 3.59 \$ 3.59 \$ 3.59	Amount \$ 700,760 \$ 767,649 \$ 655,738 \$ 568,897 \$ 706,884 \$ 904,114 \$ 866,641 \$ 840,316 \$ 536,566 \$ 584,302	Units Billed 199,219 215,812 193,576 161,697 199,585 198,680 240,081 242,193 244,802 157,922	Rate \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ \$ \$ 0.85 \$ \$ \$ \$ 0.85 \$ \$ \$ \$ 0.85 \$ \$ \$ \$ \$ 0.85 \$ \$ \$ \$ \$ \$ 0.85 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Amount 5 169,475 5 183,792 5 183,792 6 137,680 6 137,680 6 170,319 6 169,154 6 204,470 6 206,369 6 208,618 6 134,302 6 144,278	Units Billed 154,020 177,422 152,420 125,169 151,667 151,184 184,937 182,321 186,704 122,928 130,435	Rate \$ 1.86 \$ 1.80 \$ 1.85 \$ 1.85 \$ 1.86 \$ 1.86 \$ 1.87 \$ 1.87 \$ 1.86 \$ 1.84 \$ 1.87 \$ 1.86 \$ 1.84 \$ 1.87	Amount \$ 286,815 \$ 308,930 \$ 379,580 \$ 231,448 \$ 231,448 \$ 340,245 \$ 340,245 \$ 340,255 \$ 347,826 \$ 347,826 \$ 326,731 \$ 239,034	Total Line Amount \$ 456,290 \$ 492,723 \$ 444,720 \$ 369,109 \$ 457,208 \$ 450,166 \$ 544,718 \$ 546,664 \$ 556,444 \$ 361,033 \$ 383,312
Month January February March April May June July August September October	195,128 213,521 182,299 158,216 185,113 196,698 251,263 240,960 233,792 149,575	Rate \$ 3.59 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.59 \$ 3.60 \$ 3.59 \$ 3.59 \$ 3.59	Amount \$ 700,760 \$ 767,649 \$ 655,738 \$ 665,891 \$ 706,884 \$ 904,114 \$ 866,641 \$ 40,316 \$ 536,566	Units Billed 199,219 215,812 193,576 161,697 199,585 198,680 240,081 242,193 244,802 157,922	Rate \$ 0.85 \$ \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ \$ 0.85 \$ \$ 0.	Amount 5 169,475 5 183,792 5 183,792 6 137,680 6 137,680 6 170,319 6 169,154 6 204,470 6 206,369 6 208,618 6 134,302 6 144,278	Units Billed 154,020 177,422 152,420 125,169 151,667 151,184 184,937 182,321 186,704 122,928 130,435	Rate \$ 1.86 \$ 1.80 \$ 1.85 \$ 1.85 \$ 1.86 \$ 1.86 \$ 1.87 \$ 1.87 \$ 1.86 \$ 1.84 \$ 1.87 \$ 1.86 \$ 1.84 \$ 1.87	Amount \$ 286,815 \$ 308,930 \$ 279,580 \$ 231,448 \$ 286,889 \$ 281,011 \$ 340,248 \$ 340,295 \$ 347,826 \$ 226,731	Total Line Amount \$ 456,290 \$ 492,723 \$ 444,720 \$ 369,109 \$ 457,208 \$ 450,166 \$ 544,718 \$ 546,664 \$ 556,444 \$ 361,033
Month January February March April May June July August September October November	195,128 213,521 182,299 158,216 185,113 196,698 251,263 240,960 233,792 149,575 162,855	\$ - Network Rate \$ 3.59 \$ 3.60 \$ 3.60 \$ 3.60 \$ 3.59 \$ 3.60 \$ 3.59 \$ 3.59 \$ 3.59 \$ 3.59 \$ 3.59	Amount \$ 700,760 \$ 767,649 \$ 655,738 \$ 568,897 \$ 706,884 \$ 904,114 \$ 866,641 \$ 840,316 \$ 536,566 \$ 584,302	Units Billed 199,219 215,812 193,576 161,897 199,585 198,680 240,081 242,193 244,802 157,922 169,668 177,649	Rate \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ 0.85 \$ \$ \$ \$ 0.85 \$ \$ \$ \$ 0.85 \$ \$ \$ \$ 0.85 \$ \$ \$ \$ \$ 0.85 \$ \$ \$ \$ \$ \$ 0.85 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Amount 5 169,475 6 169,475 6 165,140 6 137,660 6 137,660 6 206,369 6 206,369 6 208,618 134,302 144,278 151,092	Units Billed 154,020 177,422 152,420 125,169 151,667 151,184 184,937 182,321 186,704 122,928 130,435	Rate \$ 1.86 \$ 1.80 \$ 1.85 \$ 1.85 \$ 1.86 \$ 1.86 \$ 1.87 \$ 1.87 \$ 1.86 \$ 1.84 \$ 1.87 \$ 1.86 \$ 1.84 \$ 1.87	Amount \$ 286,815 \$ 308,930 \$ 379,580 \$ 231,448 \$ 231,448 \$ 340,245 \$ 340,245 \$ 340,255 \$ 347,826 \$ 347,826 \$ 326,731 \$ 239,034	Total Line Amount \$ 456,290 \$ 492,723 \$ 444,720 \$ 369,109 \$ 457,208 \$ 450,166 \$ 544,718 \$ 546,664 \$ 556,444 \$ 361,033 \$ 383,312



Incentive Regulation Model for 2017 Filers

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

Rate Class	Rate Description
Residential Service Classification	Retail Transmission Rate - Network Service Rate
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate
The purpose of this table is to re-align the current	RTS Connection Rates to recover current wholesale connection costs.
Rate Class	Rate Description

Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate

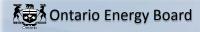
Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate Retail Transmission Rate - Line and Transformation Connection Service Rate Sentinel Lighting Service Classification Street Lighting Service Classification

Rate Class	Rate Description
nate state	Naio 2003. phon
Residential Service Classification	Retail Transmission Rate - Network Service Rate
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate

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

Rate Class	Rate Description
Residential Service Classification General Service Less Than 50 kW Service Classification General Service 50 To 4,999 kW Service Classification General Service 50 To 4,999 kW Service Classification Limetered Scattered Load Service Classification Service Classification Street Lighting Service Classification	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 Retail Transmission Rate - Line and Transformation Connection Service Rate

Unit	Current RTSR- Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
\$/kWh	0.0071	444.628.594	0	3.156.863	37.6%	3.154.803	0.0071
\$/kWh	0.0064	131.807.349	ō	843,567	10.0%	843.016	0.0064
\$/kW	2.6464		1,640,396	4,341,144	51.7%	4,338,311	2.6447
\$/kWh	0.0064	1,659,208	0	10,619	0.1%	10,612	0.0064
\$/kW	1.9593		672	1,317	0.0%	1,316	1.9580
\$/kW	2.0005		20,270	40,550	0.5%	40,524	1.9992
Unit	Current RTSR- Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR- Connection
\$/kWh	0.0053	444.628.594	0	2.356.532	39.0%	2.213.848	0.0050
\$/kWh	0.0046	131,807,349	0	606.314	10.0%	569.603	0.0043
\$/kW	1.8580	,,	1.640.396	3.047.856	50.4%	2.863.314	1.7455
\$/kWh	0.0046	1.659.208	0	7.632	0.1%	7.170	0.0043
\$/kW	1.5526	,,	672	1,043	0.0%	980	1.4586
\$/kW	1.4275		20,270	28,935	0.5%	27,183	1.3411
Unit	Adjusted RTSR-	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale	Proposed RTSR-
Oill	Network	Billed KWN		Amount	Amount /6	Billing	Network
\$/kWh	Network 0.0071	444.628.594	0	3.154.803	37.6%	Billing 3.153.662	Network 0.0071
			0				
\$/kWh	0.0071	444,628,594		3,154,803	37.6%	3,153,662	0.0071
\$/kWh \$/kWh	0.0071 0.0064	444,628,594	0	3,154,803 843,016	37.6% 10.0%	3,153,662 842,712	0.0071 0.0064
\$/kWh \$/kWh \$/kW	0.0071 0.0064 2.6447	444,628,594 131,807,349	0 1,640,396	3,154,803 843,016 4,338,311	37.6% 10.0% 51.7%	3,153,662 842,712 4,336,742	0.0071 0.0064 2.6437
\$/kWh \$/kWh \$/kW \$/kWh	0.0071 0.0064 2.6447 0.0064	444,628,594 131,807,349	0 1,640,396 0	3,154,803 843,016 4,338,311 10,612	37.6% 10.0% 51.7% 0.1%	3,153,662 842,712 4,336,742 10,608	0.0071 0.0064 2.6437 0.0064
\$/kWh \$/kWh \$/kW \$/kWh \$/kW	0.0071 0.0064 2.6447 0.0064 1.9580	444,628,594 131,807,349	0 1,640,396 0 672	3,154,803 843,016 4,338,311 10,612 1,316	37.6% 10.0% 51.7% 0.1% 0.0%	3,153,662 842,712 4,336,742 10,608 1,315	0.0071 0.0064 2.6437 0.0064 1.9573
\$/kWh \$/kWh \$/kW \$/kWh \$/kW \$/kW	0.0071 0.0064 2.6447 0.0064 1.9580 1.9992 Adjusted RTSR- Connection	444.628.594 131.807.349 1,659,208 Loss Adjusted Billed kWh	0 1,640,396 0 672 20,270	3,154,803 843,016 4,338,311 10,612 1,316 40,524 Billed Amount	37.6% 10.0% 51.7% 0.1% 0.0% 0.5% Billed Amount %	3.153.662 842,712 4,336,742 10,608 1,315 40,509 Current Wholesale Billing	0.0071 0.0064 2.6437 0.0064 1.9573 1.9985 Proposed RTSR- Connection
\$/kWh \$/kWh \$/kW \$/kW \$/kW \$/kW	0.0071 0.0064 2.6447 0.0064 1.9580 1.9992 Adjusted RTSR- Connection	444,628,594 131,807,349 1,659,208 Loss Adjusted Billed kWh	0 1,640,396 0 672 20,270 Billed kW	3,154,803 843,016 4,338,311 10,612 1,316 40,524 Billed Amount 2,213,848	37.6% 10.0% 51.7% 0.1% 0.0% 0.5% Billed Amount %	3.153,662 842,712 4,336,742 10,608 1,315 40,509 Current Wholesale Billing 2.128,893	0.0071 0.0064 2.6437 0.0064 1.9573 1.9985 Proposed RTSR- Connection
S/kWh S/kWh S/kW S/kWh S/kW Unit	0.0071 0.0064 2.6447 0.0064 1.9580 1.9992 Adjusted RTSR- Connection 0.0050 0.0043	444.628.594 131.807.349 1,659,208 Loss Adjusted Billed kWh	0 1,640,396 0 672 20,270 Billed kW	3,154,803 843,016 4,338,311 10,612 1,316 40,524 Billed Amount 2,213,848 569,603	37.6% 10.0% 51.7% 0.19% 0.5% Billed Amount %	3,153,662 842,712 4,336,742 10,608 1,315 40,509 Current Wholesale Billing 2,128,893 547,744	0.0071 0.0064 2.6437 0.0064 1.9573 1.9985 Proposed RTSR- Connection 0.0048
S/kWh S/kWh S/kWh S/kWh S/kW S/kWh	0.0071 0.0064 2.6447 0.0064 1.9580 1.9592 Adjusted RTSR- Connection 0.0050 0.0043 1.7455	444,628,594 131,807,349 1,659,208 Loss Adjusted Billed kWh 444,628,594 131,807,349	0 1,640,396 0 672 20,270 Billed kW	3,154,803 843,016 4,338,311 10,612 1,316 40,524 Billed Amount 2,213,848 569,603 2,863,314	37.6% 10.0% 51.7% 0.19% 0.5% Billed Amount %	3.153.662 842,712 4,336,742 10,608 1,315 40,509 Current Wholesale Billing 2.128,893 547,744 2,753,435	0.0071 0.0064 2.6437 0.0064 1.9573 1.9985 Proposed RTSR- Connection 0.0048 0.0042 1.6785
S/kWh S/kWh S/kW S/kWh S/kW Unit	0.0071 0.0064 2.6447 0.0064 1.9580 1.9992 Adjusted RTSR- Connection 0.0050 0.0043	444,628,594 131,807,349 1,659,208 Loss Adjusted Billed kWh	0 1,640,396 0 672 20,270 Billed kW	3,154,803 843,016 4,338,311 10,612 1,316 40,524 Billed Amount 2,213,848 569,603	37.6% 10.0% 51.7% 0.19% 0.5% Billed Amount %	3,153,662 842,712 4,336,742 10,608 1,315 40,509 Current Wholesale Billing 2,128,893 547,744	0.0071 0.0064 2.6437 0.0064 1.9573 1.9985 Proposed RTSR- Connection 0.0048



SENTINEL LIGHTING SERVICE CLASSIFICATION

STREET LIGHTING SERVICE CLASSIFICATION

microFIT SERVICE CLASSIFICATION

Incentive Regulation Model for 2017 Filers

17.09

1.21

5.4

If applicable, please enter any adjustments related to the revenue to cost ratio model into columns C and E. The Price Escalator and Stretch Factor have been set at the 2016 values and will be updated by OEB staff at a later date.

Price Escalator	2.10%	Productivity Factor	0.00%	# of Residential Customers (approved in the last CoS)		Effective Year of Residential Rate Design Transition (yyyy)	2016
Choose Stretch Factor Group	III	Price Cap Index	1.80%	Billed kWh for Residential Class (approved in the last CoS)	407,092,792	OEB-approved # of Transition Years	4
Associated Stretch Factor Value	0.30%			Rate Design Transition Years Left	3		
	•				Price Cap Index to		Proposed
Rate Class	Current MFC	MFC Adjustment from R/C Model		DVR Adjustment from R/C Model	be Applied to MFC and DVR	Proposed MFC	Volumetric Charge
Rate Class RESIDENTIAL SERVICE CLASSIFICATION				DVR Adjustment from R/C Model	• • •	Proposed MFC 25.74	
	MFC		Volumetric Charge	DVR Adjustment from R/C Model	and DVR	·	Charge
RESIDENTIAL SERVICE CLASSIFICATION	MFC 21.94		Volumetric Charge 0.0139	DVR Adjustment from R/C Model	and DVR	25.74	0.0095

Rate Design Transition		Revenue from Rates	Current F/V Split	Decoupling MFC Split	Incremental Fixed Charge (\$/month/year)	New F/V Split	Adjusted Rates ¹	Revenue at New F/V Split
Current Residential Fixed Rate (inclusive of R/C adj.)	21.9400	12,391,685	68.7%	10.4%	3.34	79.1%	25.28	14,278,113
Current Residential Variable Rate (inclusive of R/C adj.)	0.0139	5,658,590	31.3%			20.9%	0.0093	3,785,963
		18,050,275						18,064,076

1.80%

1.80%

17.40

1.23

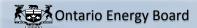
5.4

21.7087

4.8034

21.3249

4.7185



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

Proposed

-		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25
Ontario Electricity Support Program (OESP)	\$/kWh	0.0011

Niagara Peninsula Energy Inc. EB-2016-0094 September 26, 2016 Page 108 of 194



Incentive Regulation Model for 2017 Filers

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2016-0094

RESIDENTIAL SERVICE CLASSIFICATION

This class pertains to customers residing in detached, semi-detached or duplex dwelling units, where energy is supplied single-phase, 3 wire, 60 hertz, having a nominal voltage of 120/240 volts. Large residential services will include all services from 201 amp. Up to and including 400 amp., 120/240 volt, single phase, three wire. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	25.74
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0095
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0046
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2017)		
- effective until April 30, 2018	\$/kWh	0.0002
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kWh	(0.0063)
Low Voltage Service Rate	\$/kWh	0.0005
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0048
MONTHLY RATES AND CHARGES - Regulatory Component		
5 .		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2016-0094

ONTARIO ELECTRICITY SUPPORT PROGRAM RECIPIENTS

In addition to the charges specified on page 1 of this tariff of rates and charges, the following credits are to be applied to eligible residential customers.

APPLICATION

The application of the charges are in accordance with the Distribution System Code (Section 9) and subsection 79.2(4) of the Ontario Energy Board Act, 1998.

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

In this class:

"Aboriginal person" includes a person who is a First Nations person, a Métis person or an Inuit person;

"account-holder" means a consumer who has an account with a distributor that falls within a residential-rate classification as specified in a rate order made by the Ontario Energy Board under section 78 of the Act, and who lives at the service address to which the account relates for at least six months in a year;

"electricity-intensive medical device" means an oxygen concentrator, a mechanical ventilator, or such other device as may be specified by the Ontario Energy Board;

"household" means the account-holder and any other people living at the accountholder's service address for at least six months in a year, including people other than the account-holder's spouse, children or other relatives;

"household income" means the combined annual after-tax income of all members of a household aged 16 or over;

MONTHLY RATES AND CHARGES

Class A

- (a) account-holders with a household income of \$28,000 or less living in a household of one or two persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of three persons:
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of five persons; and
- (d) account-holders with a household income of between \$48,001 and \$52,000 living in a household of seven or more persons; but does not include account-holders in Class E.

OESP Credit \$ (30.00)

Class B

- (a) account-holders with a household income of \$28,000 or less living in a household of three persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of four persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of six persons; but does not include account-holders in Class F.

OESP Credit \$ (34.00)

Class C

- (a) account-holders with a household income of \$28,000 or less living in a household of four persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of five persons;
- (c) account-holders with a household income of between \$39,001 and \$48,000 living in a household of seven or more persons;

but does not include account-holders in Class G.

OESP Credit \$ (38.00)

Class D

- (a) account-holders with a household income of \$28,000 or less living in a household of five persons; and
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of six persons;

but does not include account-holders in Class H.

OESP Credit \$ (42.00)

Class E

Effective and Implementation Date May 1, 2017 This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

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Class E comprises account-holders with a household income and household size described under Class A who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (45.00)

Class F

- (a) account-holders with a household income of \$28,000 or less living in a household of six or more persons;
- (b) account-holders with a household income of between \$28,001 and \$39,000 living in a household of seven or more persons; or
- (c) account-holders with a household income and household size described under Class B who also meet any of the following conditions:
- i. the dwelling to which the account relates is heated primarily by electricity;
- ii. the account-holder or any member of the account-holder's household is an Aboriginal person; or
- iii. the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates

OESP Credit \$ (50.00)

Class G

Class G comprises account-holders with a household income and household size described under Class C who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (55.00)

Class H

Class H comprises account-holders with a household income and household size described under Class D who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (60.00)

Class I

Class I comprises account-holders with a household income and household size described under paragraphs (a) or (b) of Class F who also meet any of the following conditions:

- (a) the dwelling to which the account relates is heated primarily by electricity;
- (b) the account-holder or any member of the account-holder's household is an Aboriginal person; or
- (c) the account-holder or any member of the account-holder's household regularly uses, for medical purposes, an electricity-intensive medical device at the dwelling to which the account relates.

OESP Credit \$ (75.00)

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

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GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This class pertains to non-residential customers taking electricity at 750 volts or less whose monthly average peak demand is less than, or 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	38.73
Rate Rider for Smart Metering Entity Charge - effective until October 31, 2018	\$	0.79
Distribution Volumetric Rate	\$/kWh	0.0142
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0046
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2017)		
- effective until April 30, 2018	\$/kWh	0.0012
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kWh	(0.0062)
Low Voltage Service Rate	\$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0042
MONTHLY RATES AND CHARGES - Regulatory Component		
	* * * * * * * * * * * * * * * * * * *	
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates. Charges and Loss Factors

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GENERAL SERVICE 50 TO 4.999 KW SERVICE CLASSIFICATION

This classification refers to a non-residential account whose monthly average peak demand is equal to or greater than, or forecast to be equal to or greater than 50 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

MONTHLY RATES AND CHARGES - Delivery Component

·		
Service Charge	\$	105.29
Distribution Volumetric Rate	\$/kW	3.4418
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0046
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2017)		
- effective until April 30, 2018	\$/kW	0.1600
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kW	(2.3198)
Low Voltage Service Rate	\$/kW	0.1612
Retail Transmission Rate - Network Service Rate	\$/kW	2.6437
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6785
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

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0.25

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification refers to an account taking electricity at 750 volts or less whose average peak demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The customer will provide detailed manufacturer information/documentation with regard to electricity demand/consumption of the proposed unmetered 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 Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Standard Supply Service - Administrative Charge (if applicable)

Service Charge (per customer) Distribution Volumetric Rate	\$ \$/kWh	20.00 0.0139
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kWh	(0.0061)
Low Voltage Service Rate	\$/kWh	0.0004
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0042
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	17.40
Distribution Volumetric Rate	\$/kW	21.7087
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0046
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kW	(2.3316)
Low Voltage Service Rate	\$/kW	0.1347
Retail Transmission Rate - Network Service Rate	\$/kW	1.9573
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4026
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Effective and Implementation Date May 1, 2017
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0.25

STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting operation, controlled by photo cells. Street lighting profile is derived through the use of a "virtual street lighting meter" that uses a street light control eye, consistent with the model type and product manufacturer of devices currently in service in the Applicant's distribution area, to simulate the exact daily conditions that the typical street light is exposed to. This simulated street light load is captured using an interval metering device, and is processed as part of the distributor's daily interval meter interrogation, validation and processing procedures. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Standard Supply Service - Administrative Charge (if applicable)

Service Charge (per connection)	\$	1.23
Distribution Volumetric Rate	\$/kW	4.8034
Rate Rider for Disposition of Global Adjustment Account (2017) - effective until April 30, 2018		
Applicable only for Non-RPP Customers	\$/kWh	0.0046
Rate Rider for Disposition of Deferral/Variance Accounts (2017) - effective until April 30, 2018	\$/kW	(2.1723)
Low Voltage Service Rate	\$/kW	0.1239
Retail Transmission Rate - Network Service Rate	\$/kW	1.9985
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.2896
MONTHLY RATES AND CHARGES - Regulatory Component		
Wholesale Market Service Rate	\$/kWh	0.0036
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0013
Ontario Electricity Support Program Charge (OESP)	\$/kWh	0.0011

Effective and Implementation Date May 1, 2017
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microFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Independant 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

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Niagara Peninsula Energy Inc. TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2017
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ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month
Primary Metering Allowance for transformer losses - applied to measured demand and energy

\$/kW

(0.6000) (1.00)

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2016-0094

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		
Returned cheque charge (plus bank charges)	\$	20.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00
Non-Payment of Account		
Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	30.00
Collection of account charge - no disconnection - after regular hours	\$	165.00
Disconnect/Reconnect at meter - during regular hours	\$	65.00
Disconnect/Reconnect at meter - after regular hours	\$	185.00
Disconnect/Reconnect at pole - during regular hours	\$	185.00
Disconnect/Reconnect at pole - after regular hours	\$	415.00
Install/Remove load control device - during regular hours	\$	65.00
Install/Remove load control device - after regular hours	\$	185.00
Other		
Service call - customer owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Temporary Service install & remove - overhead - no transformer	\$	500.00
Temporary Service install & remove - underground - no transformer	\$	300.00
Temporary Service install & remove - overhead - with transformer	\$	1,000.00
Specific Charge for Access to the Power Poles	\$	22.35

(with the exception of wireless attachements)

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

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RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

Unless specifically noted, this schedule 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

to the supply of sompetitive discinling	
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	\$ 0.50
Distributor-consolidated billing monthly charge, per customer, per retailer	\$ 0.30
Retailer-consolidated billing monthly credit, per customer, per retailer	\$ (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

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Niagara Peninsula Energy Inc. TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

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LOSS FACTORS

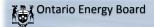
If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

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

1.0479

Total Loss Factor - Primary Metered Customer < 5,000 kW

1.0374



Incentive Regulation Model for 2017 Filers

The bill comparisons below must be provided for typical customers and consumption levels. Bill impacts must be provided for residential customers consuming 750 kW/h per month and general service customers consuming 2,000 kW/h 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 customer consumer at or less than this level of consumption on a monthly basis). Refer to page 9 of the Filing Requirements For Electricity Distribution Rate Applications issued July 14, 2016.

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

Note

- 1. For those classes that are not eligible for the RPP price, the weighted average price including Class B GA through end of May 2016 of \$0.113/kWh (IESO's Monthly Market Report for May 2016, 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. Due to the change to energy consumption used in the calculation of GA rate riders for the 2017 rate year, the separate "GA Rate Riders" line is only applicable to the "Proposed" section of the bill impact tables.
- 3. 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	1.0479	1.0479	750		N/A	
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	RPP	1.0479	1.0479	2,000		N/A	
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	kW	RPP	1.0479	1.0479	65,000	180	DEMAND	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	RPP	1.0479	1.0479	250		N/A	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	RPP	1.0479	1.0479	44	0	DEMAND	
STREET LIGHTING SERVICE CLASSIFICATION	kW	RPP	1.0479	1.0479	50	0	DEMAND	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0479	1.0479	750			
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0479	1.0479	2,000			
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	kW	Non-RPP (Retailer)	1.0479	1.0479	65,000	180	DEMAND	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0479	1.0479	250			
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	Non-RPP (Retailer)	1.0479	1.0479	44	0	DEMAND	
STREET LIGHTING SERVICE CLASSIFICATION	kW	Non-RPP (Retailer)	1.0479	1.0479	50	0	DEMAND	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	RPP	1.0479	1.0479	286			
RESIDENTIAL SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0479	1.0479	286			
RESIDENTIAL SERVICE CLASSIFICATION	kWh	RPP	1.0479	1.0479	1,600			
RESIDENTIAL SERVICE CLASSIFICATION	kWh	Non-RPP (Retailer)	1.0479	1.0479	1,600			
Add additional scenarios if required								
Add additional scenarios if required			•					
Add additional scenarios if required			•					
Add additional scenarios if required			·					

Table 2

RATE CLASSES / CATEGORIES				Total							
(eg: Residential TOU, Residential Retailer)	Units		Α			В	С			A + B + C	
, ,		\$		%	\$	%	\$	%		\$	%
1 RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	\$	2.18	7.1%	\$ (2.54)	-7.1%	\$ (2.93)	-6.4%	\$	(3.31)	-2.2%
2 GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION - RPP	kWh	\$	7.45	12.0%	\$ (4.95)	-6.7%	\$ (5.79)	-5.9%	\$	(6.54)	-1.7%
3 GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION - RPP	kW	\$ 254	4.38	51.0%	\$ (163.19)	-30.9%	\$ (195.98)	-14.6%	\$	(221.46)	-2.0%
4 UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - RPP	kWh	\$	1.36	6.1%	\$ (0.17)	-0.7%	\$ (0.27)	-1.0%	\$	(0.31)	-0.5%
5 SENTINEL LIGHTING SERVICE CLASSIFICATION - RPP	kW	\$ (0.64	3.3%	\$ 0.36	1.8%	\$ 0.34	1.7%	\$	0.39	1.3%
6 STREET LIGHTING SERVICE CLASSIFICATION - RPP	kW	\$ (0.19	11.1%	\$ (0.10)	-5.0%	\$ (0.12)	-4.8%	\$	(0.13)	-1.3%
7 RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$	2.18	7.1%	\$ 0.91	2.5%	\$ 0.52	1.1%	\$	0.58	0.4%
8 GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$	7.45	12.0%	\$ 4.25	5.7%	\$ 3.41	3.5%	\$	3.86	1.0%
g GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION - Non-RPP (Retailer)	kW	\$ 254	4.38	51.0%	\$ 135.81	25.7%	\$ 103.02	7.7%	\$	116.41	1.0%
0 UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$	1.36	6.1%	\$ (0.17)	-0.7%	\$ (0.27)	-1.0%	\$	(0.31)	-0.5%
1 SENTINEL LIGHTING SERVICE CLASSIFICATION - Non-RPP (Retailer)	kW	\$ (0.64	3.3%	\$ 0.56	2.9%	\$ 0.54	2.7%	\$	0.61	2.1%
2 STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Retailer)	kW	\$ (0.19	11.1%	\$ 0.13	6.8%	\$ 0.11	4.8%	\$	0.13	1.3%
3 RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	\$	2.70	10.4%	\$ 0.90	3.2%	\$ 0.75	2.3%	\$	0.84	1.1%
4 RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$	2.70	10.4%	\$ 2.21	7.8%	\$ 2.06	6.4%	\$	2.33	3.1%
5 RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	\$	1.25	3.1%	\$ (8.83)	-17.6%	\$ (9.67)	-13.6%	\$	(10.93)	-3.7%
6 RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$	1.25	3.1%	\$ (1.47)	-2.9%	\$ (2.31)	-3.2%	\$	(2.61)	-0.9%
7											
8						•					
9						•					
20											

Niagara Peninsula Energy Inc. EB-2016-0094 September 26, 2016 Page 123 of 194 Customer Class: RESIDENTIAL SERVICE CLASSIFICATION RPP / Non-RPP: RPP
Consumption 750 kWh

	Curre	t OEB-Approve	d		Т		Proposed	Impact				
	Rate	Volume	Ĭ	Charge	H	Rate	Volume	П	Charge		impe	O.
	(\$)			(\$)		(\$)			(\$)		\$ Change	% Change
Monthly Service Charge	\$ 21.9			21.94		25.74	1	\$	25.74		3.80	17.32%
Distribution Volumetric Rate	\$ 0.013			10.43		0.0095	750	\$	7.13	\$	(3.30)	-31.65%
Fixed Rate Riders	\$ 0.7		\$	0.79	\$		1	\$	-	\$	(0.79)	-100.00%
Volumetric Rate Riders	-\$ 0.003	1 750		(2.33)		0.0002	750		0.15	\$	2.48	-106.45%
Sub-Total A (excluding pass through)			\$	30.83				\$	33.02	\$	2.18	7.09%
Line Losses on Cost of Power	\$ 0.11	4 36	\$	4.00	\$	0.1114	36	\$	4.00	\$	-	0.00%
Total Deferral/Variance Account Rate Riders	s -	750	\$	_	-\$	0.0063	750	\$	(4.73)	\$	(4.73)	
04.0	Ť	7.00	Ť		Ť	0.0000			()		(0)	
GA Rate Riders	\$ 0.000	5 750		0.20	\$	0.0005	750	\$	- 0.20	\$	-	0.00%
Low Voltage Service Charge	\$ 0.000			0.38		0.0005	750	\$	0.38 0.79	\$	-	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.790	0 1	\$	0.79	\$	0.7900	1	Ъ	0.79	Ъ		0.00%
Sub-Total B - Distribution (includes Sub- Total A)			\$	36.00				\$	33.46	\$	(2.54)	-7.06%
RTSR - Network	\$ 0.007	1 786	\$	5.58	\$	0.0071	786	\$	5.58	\$		0.00%
RTSR - Connection and/or Line and	,		1		Ι.							
Transformation Connection	\$ 0.005	786	\$	4.17	\$	0.0048	786	\$	3.77	\$	(0.39)	-9.43%
Sub-Total C - Delivery (including Sub-			s	45.74				\$	42.81		(2.93)	-6.41%
Total B)			9	43.74				Þ	42.01	P	(2.93)	-0.4176
Wholesale Market Service Charge (WMSC)	\$ 0.003	6 786	\$	2.83	s	0.0036	786	\$	2.83	\$		0.00%
	1		Ť		Ť			_		,		
Rural and Remote Rate Protection (RRRP)	\$ 0.00	786	\$	1.02	\$	0.0013	786	\$	1.02	\$	_	0.00%
			1		1			1		L		
Standard Supply Service Charge	\$ 0.250	0 1	\$	0.25	\$	0.2500	1	\$	0.25	\$	-	0.00%
Debt Retirement Charge (DRC)												
Ontario Electricity Support Program	\$ 0.00	786	\$	0.86	\$	0.0011	786	\$	0.86	\$	-	0.00%
(OESP)	1.				Ĺ			Ĺ				
TOU - Off Peak	\$ 0.087 \$ 0.132			42.41			488	\$		\$	-	0.00% 0.00%
TOU - Mid Peak			\$	16.83			128	-	16.83		-	
TOU - On Peak	\$ 0.180	0 135	\$	24.30	\$	0.1800	135	\$	24.30	\$		0.00%
				404.00				Ļ	101.00		(2.22)	2.120/
Total Bill on TOU (before Taxes)			\$	134.25		400/		\$	131.32	\$	(2.93)	-2.18%
HST	10	%	\$	17.45		13%		\$	17.07	\$	(0.38)	-2.18%
Total Bill on TOU			\$	151.70	_			\$	148.39	\$	(3.31)	-2.18%

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

| Consumption | 2,000 kWh
Demand	- kW
Current Loss Factor	1.0479
Proposed/Approved Loss Factor	1.0479

		Current (DEB-Approved	<u> </u>				Proposed		Impact			
		Rate	Volume		Charge		Rate	Volume		Charge			-
		(\$)			(\$)		(\$)			(\$)		\$ Change	% Change
Monthly Service Charge	\$	38.05	1	\$	38.05	\$	38.73	1	\$	38.73	\$	0.68	1.79%
Distribution Volumetric Rate	\$	0.0139	2000	\$	27.80	\$	0.0142	2000	\$	28.40	\$	0.60	2.16%
Fixed Rate Riders	\$	2.43	1	\$	2.43	\$	-	1	\$	-	\$	(2.43)	-100.00%
Volumetric Rate Riders	-\$	0.0031	2000	\$	(6.20)	\$	0.0012	2000	\$	2.40	\$	8.60	-138.71%
Sub-Total A (excluding pass through)				\$	62.08				\$	69.53	\$	7.45	12.00%
Line Losses on Cost of Power	\$	0.1114	96	\$	10.67	\$	0.1114	96	\$	10.67	\$	-	0.00%
Total Deferral/Variance Account Rate Riders	\$	_	2,000	\$	-	-\$	0.0062	2,000	\$	(12.40)	\$	(12.40)	
GA Rate Riders						\$	_	2,000	\$		\$	- 1	
Low Voltage Service Charge	\$	0.0004	2,000	\$	0.80	\$	0.0004	2,000	\$	0.80	\$	-	0.00%
Smart Meter Entity Charge (if applicable)	\$	0.7900	1	\$	0.79	\$	0.7900	1	\$	0.79	\$	-	0.00%
Sub-Total B - Distribution (includes Sub-				s	74.34				\$	69.39		(4.95)	-6.66%
Total A)				Þ					4		Þ	(4.95)	
RTSR - Network	\$	0.0064	2,096	\$	13.41	\$	0.0064	2,096	\$	13.41	\$	-	0.00%
RTSR - Connection and/or Line and	s	0.0046	2,096	\$	9.64	\$	0.0042	2,096	\$	8.80	\$	(0.84)	-8.70%
Transformation Connection	¥	0.0040	2,090	÷	3.04	Ψ	0.0042	2,030	Э	0.00	Ψ	(0.04)	-0.7070
Sub-Total C - Delivery (including Sub-				s	97.39				\$	91.61	\$	(5.79)	-5.94%
Total B)				*	000				*	0	*	(00)	0.0 170
Wholesale Market Service Charge (WMSC)	\$	0.0036	2,096	\$	7.54	\$	0.0036	2,096	\$	7.54	\$	-	0.00%
Rural and Remote Rate Protection (RRRP)		0.0013	2,096	\$	2.72		0.0013	2,096	\$	2.72	٠	_	0.00%
	۳ ا		2,030					2,030	Ψ		Ψ	-	
Standard Supply Service Charge	\$	0.2500	1	\$	0.25		0.2500	1	\$	0.25	\$	-	0.00%
Debt Retirement Charge (DRC)	\$	0.0070	2,000	\$	14.00	\$	0.0070	2,000	\$	14.00	\$	-	0.00%
Ontario Electricity Support Program	s	0.0011	2,096	\$	2.31	\$	0.0011	2,096	\$	2.31	\$	_	0.00%
(OESP)	1.							*	_		l Ž		
TOU - Off Peak	\$	0.0870	1,300	\$	113.10		0.0870	1,300	\$	113.10	\$	-	0.00%
TOU - Mid Peak	\$	0.1320	340	\$	44.88		0.1320	340	\$	44.88	\$	-	0.00%
TOU - On Peak	\$	0.1800	360	\$	64.80	\$	0.1800	360	\$	64.80	\$	-	0.00%
Total Bill on TOU (before Taxes)				\$	347.00	1	,		\$	341.21	\$	(5.79)	-1.67%
HST		13%		\$	45.11		13%		\$	44.36	\$	(0.75)	-1.67%
Total Bill on TOU				\$	392.11				\$	385.57	\$	(6.54)	-1.67%

Customer Class: GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION RPP / Non-RPP: RPP

		Current C	DEB-Approved	d				Proposed			Impa	ct
		Rate	Volume		Charge		Rate	Volume	Charge			
		(\$)			(\$)		(\$)		(\$)		Change	% Change
Monthly Service Charge	\$	103.43	1	\$	103.43	\$	105.29	1	\$ 105.29	\$	1.86	1.80%
Distribution Volumetric Rate	\$	3.3809	180	\$	608.56	\$	3.4418	180	\$ 619.52	\$	10.96	1.80%
Fixed Rate Riders	\$	(0.57)	1	\$	(0.57)	\$	-	1	\$ -	\$	0.57	-100.00%
Volumetric Rate Riders	-\$	1.1788	180	\$	(212.18)	\$	0.1600	180	\$ 28.80	\$	240.98	-113.57%
Sub-Total A (excluding pass through)				\$	499.24				\$ 753.61	\$	254.38	50.95%
Line Losses on Cost of Power	\$	-	-	\$		\$	-		\$	\$	-	
Total Deferral/Variance Account Rate Riders	s	_	180	s	_	-6	2.3198	180	\$ (417.56)	s	(417.56)	
	Ψ	_	100	Ψ	_	-φ	2.5150		\$ (417.50)	Ψ	(417.50)	
GA Rate Riders						\$	-	65,000	\$ -	\$	-	
Low Voltage Service Charge	\$	0.1612	180	\$	29.02	\$	0.1612	180	\$ 29.02	\$	-	0.009
Smart Meter Entity Charge (if applicable)	\$	-	1	\$	-	\$	-	1	\$ -	\$	-	
Sub-Total B - Distribution (includes Sub-				s	528.25				\$ 365.07	s	(163.19)	-30.899
Total A)									•	*	(,	
RTSR - Network	\$	2.6464	180	\$	476.35	\$	2.6437	180	\$ 475.87	\$	(0.49)	-0.109
RTSR - Connection and/or Line and	s	1.8580	180	\$	334.44	\$	1.6785	180	\$ 302.13	s	(32.31)	-9.669
Transformation Connection	*		.00	٣	001.11	Ψ.		100	Ψ 002.10	Ψ	(02.01)	0.007
Sub-Total C - Delivery (including Sub-				s	1,339.05				\$ 1,143.06	s	(195.98)	-14.64%
Total B)				Ť	1,000.00				• .,	*	(100.00)	
Wholesale Market Service Charge (WMSC)	\$	0.0036	68,114	\$	245.21	\$	0.0036	68,114	\$ 245.21	\$	-	0.009
Rural and Remote Rate Protection (RRRP)				_		_				1		
,	\$	0.0013	68,114	\$	88.55	\$	0.0013	68,114	\$ 88.55	\$	-	0.009
Standard Supply Service Charge	\$	0.2500	1	\$	0.25	\$	0.2500	1	\$ 0.25	\$	-	0.00
Debt Retirement Charge (DRC)	\$	0.0070	65,000	\$	455.00	\$	0.0070	65,000	\$ 455.00	\$	-	0.00
Ontario Electricity Support Program		0.0011	68,114	s	74.92	s	0.0011	68.114	\$ 74.92	s		0.00
(OESP)	Þ	0.0011	00,114	Ф	74.92	Þ	0.0011	00,114	\$ 74.92	Ф	-	0.00
TOU - Off Peak	\$	0.0870	44,274	\$	3,851.82	\$	0.0870	44,274		\$	-	0.009
TOU - Mid Peak	\$	0.1320	11,579	\$	1,528.47	\$	0.1320	11,579	\$ 1,528.47	\$	-	0.009
TOU - On Peak	\$	0.1800	12,260	\$	2,206.88	\$	0.1800	12,260	\$ 2,206.88	\$	-	0.009
Total Bill on TOU (before Taxes)				\$	9,790.14				\$ 9,594.16	\$	(195.98)	-2.009
HST		13%		\$	1,272.72		13%		\$ 1,247.24	\$	(25.48)	-2.009
Total Bill on TOU				\$	11,062.86				\$ 10,841.40	\$	(221.46)	-2.009
									·		· '	

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

		Current (DEB-Approved	d				Proposed				Impa	ct
		Rate	Volume		Charge		Rate	Volume		Charge			
		(\$)			(\$)		(\$)			(\$)		\$ Change	% Change
Monthly Service Charge	\$	19.65		\$	19.65		20.00	1	\$	20.00	\$	0.35	1.789
Distribution Volumetric Rate	\$	0.0137	250		3.43		0.0139	250	\$	3.48	\$	0.05	1.469
Fixed Rate Riders	\$	(0.18)	1	\$	(0.18)		-	1	\$		\$	0.18	-100.009
Volumetric Rate Riders	-\$	0.0031	250	\$	(0.78)	\$	-	250	\$	-	\$	0.78	-100.009
Sub-Total A (excluding pass through)				\$	22.12				\$	23.48	\$	1.36	6.139
Line Losses on Cost of Power	\$	0.1114	12	\$	1.33	\$	0.1114	12	\$	1.33	\$	-	0.009
Total Deferral/Variance Account Rate Riders	\$	-	250	\$	-	-\$	0.0061	250	\$	(1.53)	\$	(1.53)	
GA Rate Riders						\$	-	250	\$	-	\$	-	
Low Voltage Service Charge	\$	0.0004	250		0.10	\$	0.0004	250	\$	0.10	\$	-	0.009
Smart Meter Entity Charge (if applicable)	\$	-	1	\$	-	\$	-	1	\$	-	\$	-	
Sub-Total B - Distribution (includes Sub-				\$	23.55				\$	23.38	\$	(0.17)	-0.729
Total A) RTSR - Network	s	0.0064	000		1.68		0.0064	262	\$	1.68	·	(- ,	0.009
	>	0.0064	262	\$	1.68	\$	0.0064	262	ъ	1.68	ъ	-	0.009
RTSR - Connection and/or Line and	\$	0.0046	262	\$	1.21	\$	0.0042	262	\$	1.10	\$	(0.10)	-8.709
Transformation Connection											┢		
Sub-Total C - Delivery (including Sub- Total B)				\$	26.44				\$	26.16	\$	(0.27)	-1.049
Wholesale Market Service Charge (WMSC)											H		
Wholesale Market Service Charge (WMSC)	\$	0.0036	262	\$	0.94	\$	0.0036	262	\$	0.94	\$	-	0.009
Rural and Remote Rate Protection (RRRP)													
raia and remote rate i fotection (rivir)	\$	0.0013	262	\$	0.34	\$	0.0013	262	\$	0.34	\$	-	0.009
Standard Supply Service Charge	s	0.2500	1	\$	0.25	\$	0.2500	1	\$	0.25	\$	_	0.009
Debt Retirement Charge (DRC)	Š	0.0070	250	\$			0.0070	250	\$	1.75	\$		0.00
Ontario Electricity Support Program	I.			1		1			_		_		
(OESP)	\$	0.0011	262	\$	0.29	\$	0.0011	262	\$	0.29	\$	-	0.009
TOU - Off Peak	s	0.0870	163	\$	14.14	s	0.0870	163	\$	14.14	\$		0.009
TOU - Mid Peak	Š	0.1320	43	\$	5.61	\$	0.1320	43		5.61	\$	-	0.009
TOU - On Peak	s	0.1800	45	\$	8.10	\$	0.1800	45	\$	8.10	\$	-	0.009
	1					Ť	0		É				
Total Bill on TOU (before Taxes)				\$	57.85				\$	57.58	\$	(0.27)	-0.479
HST	1	13%		\$	7.52		13%		\$	7.49	\$	(0.04)	-0.479
Total Bill on TOU		1070		\$	65.38				\$	65.07	\$	(0.31)	-0.479
						_			Ĺ		_	(0.0.7)	*****

		Current C	DEB-Approve	d				Proposed				Impa	ct
		Rate	Volume		Charge		Rate	Volume		Charge			
		(\$)			(\$)		(\$)			(\$)		\$ Change	% Change
Monthly Service Charge	\$	17.09	1	Ψ	17.09		17.40		\$	17.40	\$	0.31	1.819
Distribution Volumetric Rate	\$	21.3249	0.12		2.56		21.7087	0.12		2.61	\$	0.05	1.80%
Fixed Rate Riders	\$	(0.13)	1	\$	(0.13)		-	1	\$	-	\$	0.13	-100.009
Volumetric Rate Riders	-\$	1.2734	0.12		(0.15)	\$	-	0.12		-	\$	0.15	-100.009
Sub-Total A (excluding pass through)				\$	19.37				\$	20.01	\$	0.64	3.30%
Line Losses on Cost of Power	\$	0.1114	2	\$	0.23	\$	0.1114	2	\$	0.23	\$	-	0.009
Total Deferral/Variance Account Rate Riders	\$	-	0	\$	-	-\$	2.3316	0	\$	(0.28)	\$	(0.28)	
GA Rate Riders						\$	-	44	\$	-	\$	-	
Low Voltage Service Charge	\$	0.1347	0		0.02	\$	0.1347	0	\$	0.02	\$	-	0.009
Smart Meter Entity Charge (if applicable)	\$	-	1	\$	-	\$	-	1	\$	-	\$	-	
Sub-Total B - Distribution (includes Sub- Total A)				\$	19.62				\$	19.98	\$	0.36	1.83%
RTSR - Network	s	1.9593	0	\$	0.24	\$	1.9573	0	\$	0.23	\$	(0.00)	-0.109
RTSR - Connection and/or Line and				Ľ		L			Ľ		Ė	` ′	
Transformation Connection	\$	1.5526	0	\$	0.19	\$	1.4026	0	\$	0.17	\$	(0.02)	-9.669
Sub-Total C - Delivery (including Sub-				s	20.04				\$	20.38	•	0.34	1.70%
Total B)				P	20.04				Þ	20.30	Ą	0.34	1.707
Wholesale Market Service Charge (WMSC)	\$	0.0036	46	\$	0.17	\$	0.0036	46	\$	0.17	\$	-	0.00%
Rural and Remote Rate Protection (RRRP)	s	0.0013	46	s	0.06	s	0.0013	46	\$	0.06	s	_	0.009
				l .							_		
Standard Supply Service Charge	\$	0.2500	. 1	\$	0.25	\$	0.2500	1	\$	0.25	\$	-	0.009
Debt Retirement Charge (DRC)	\$	0.0070	44	\$	0.31	\$	0.0070	44	\$	0.31	\$	-	0.009
Ontario Electricity Support Program	\$	0.0011	46	\$	0.05	\$	0.0011	46	\$	0.05	\$	-	0.009
(OESP)						L			Ĺ		_		
TOU - Off Peak	\$	0.0870 0.1320	29 7	\$	2.49	\$	0.0870 0.1320	29	\$	2.49	\$	-	0.009
TOU - Mid Peak	3		-		0.99	Ψ.		/	\$	0.99	\$	-	
TOU - On Peak	\$	0.1800	8	\$	1.43	\$	0.1800	8	\$	1.43	\$	-	0.009
Total Bill on TOU (before Taxes)	1			\$	25.77		4001		\$	26.12	\$	0.34	1.329
HST		13%		\$	3.35		13%		\$	3.39	\$	0.04	1.329
Total Bill on TOU				\$	29.13				\$	29.51	\$	0.39	1.329

		Current C	DEB-Approved	ł				Proposed				Impa	ct
		Rate (\$)	Volume		Charge (\$)		Rate (\$)	Volume		Charge (\$)		\$ Change	% Change
Monthly Service Charge	\$	1.21	1	\$	1.21	\$	1.23	1	\$	1.23	\$	0.02	1.65%
Distribution Volumetric Rate	\$	4.7185	0.13	\$	0.61	\$	4.8034	0.13	\$	0.62	\$	0.01	1.80%
Fixed Rate Riders	\$	(0.01)	1	\$	(0.01)	\$	-	1	\$	-	\$	0.01	-100.00%
Volumetric Rate Riders	-\$	1.1078	0.13	\$	(0.14)	\$	-	0.13	\$		\$	0.14	-100.00%
Sub-Total A (excluding pass through)				\$	1.67				\$	1.85	\$	0.19	11.08%
Line Losses on Cost of Power	\$	0.1114	2	\$	0.27	\$	0.1114	2	\$	0.27	\$	-	0.00%
Total Deferral/Variance Account Rate Riders	\$	-	0	\$	-	-\$	2.1723	0	\$	(0.28)	\$	(0.28)	
GA Rate Riders						\$	_	50	\$		\$	-	
Low Voltage Service Charge	s	0.1239	0	\$	0.02	\$	0.1239	0	\$	0.02	\$	-	0.00%
Smart Meter Entity Charge (if applicable)	Ś		1	\$	-	\$	-	1	\$		\$	-	
Sub-Total B - Distribution (includes Sub-	·			_		Ė						(2.42)	
Total A)				\$	1.95				\$	1.85	\$	(0.10)	-4.99%
RTSR - Network	\$	2.0005	0	\$	0.26	\$	1.9985	0	\$	0.26	\$	(0.00)	-0.10%
RTSR - Connection and/or Line and	s	1.4275	0	\$	0.19	\$	1.2896	0	\$	0.17	\$	(0.02)	-9.66%
Transformation Connection	*	1.42/3	U	Ф	0.19	Þ	1.2090	U	ф	0.17	Ф	(0.02)	-9.00%
Sub-Total C - Delivery (including Sub-				\$	2.40				\$	2.28	•	(0.12)	-4.82%
Total B)				Ÿ	2.40				Ψ	2.20	Ÿ	(0.12)	-4.02 /6
Wholesale Market Service Charge (WMSC)	\$	0.0036	52	\$	0.19	\$	0.0036	52	\$	0.19	\$	-	0.00%
Rural and Remote Rate Protection (RRRP)	\$	0.0013	52	\$	0.07	\$	0.0013	52	\$	0.07	\$	-	0.00%
Standard Supply Service Charge	s	0.2500	1	\$	0.25	\$	0.2500	1	\$	0.25	\$	-	0.00%
Debt Retirement Charge (DRC)	\$	0.0070	50	\$	0.35	\$		50	\$	0.35	\$	-	0.00%
Ontario Electricity Support Program			=0						۱		ļ .		
(OESP)	\$	0.0011	52	\$	0.06	\$	0.0011	52	\$	0.06	\$	-	0.00%
TOU - Off Peak	\$	0.0870	33	\$	2.83	\$	0.0870	33	\$	2.83	\$	-	0.00%
TOU - Mid Peak	\$	0.1320	9	\$	1.12	\$	0.1320	9	\$	1.12	\$	-	0.00%
TOU - On Peak	\$	0.1800	9	\$	1.62	\$	0.1800	9	\$	1.62	\$	-	0.00%
Total Bill on TOU (before Taxes)				\$	8.88				\$	8.77	\$	(0.12)	-1.30%
HST		13%		\$	1.15	1	13%		\$	1.14	\$	(0.02)	-1.30%
Total Bill on TOU				\$	10.04				\$	9.91	\$	(0.13)	-1.30%

Customer Class: RESIDENTIAL SERVICE CLASSIFICATION

RPP / Non-RPP: Non-RPP (Retailer)

Consumption 750 kWh

Demand - kW

Current Loss Factor 1.0479

Proposed/Approved Loss Factor 1.0479

		Current C	DEB-Approved	d				Proposed				Impa	ct
		Rate	Volume		Charge		Rate	Volume		Charge			
		(\$)			(\$)	L.	(\$)			(\$)		\$ Change	% Change
Monthly Service Charge	\$	21.94		\$					\$	25.74	\$	3.80	17.32%
Distribution Volumetric Rate	\$	0.0139	750		10.43		0.0095	750		7.13	\$	(3.30)	-31.65%
Fixed Rate Riders	\$	0.79	_ 1	\$	0.79	\$		1	\$		\$	(0.79)	-100.00%
Volumetric Rate Riders	-\$	0.0031	750		(2.33)	\$	0.0002	750		0.15	\$	2.48	-106.45%
Sub-Total A (excluding pass through)				\$	30.83	_			\$	33.02	\$	2.18	7.09%
Line Losses on Cost of Power	\$	0.1130	36	\$	4.06	\$	0.1130	36	\$	4.06	\$	-	0.00%
Total Deferral/Variance Account Rate Riders	\$	-	750	\$	-	-\$	0.0063	750	\$	(4.73)	\$	(4.73)	
GA Rate Riders						\$	0.0046	750	\$	3.45	\$	3.45	
Low Voltage Service Charge	\$	0.0005	750	\$	0.38	\$	0.0005	750	\$	0.38	\$	-	0.00%
Smart Meter Entity Charge (if applicable)	\$	0.7900	1	\$	0.79	\$	0.7900	1	\$	0.79	\$	-	0.00%
Sub-Total B - Distribution (includes Sub-				\$	36.05				\$	36.96	\$	0.91	2.52%
Total A) RTSR - Network	-	0.0071	786	\$	5.58	\$	0.0071	786	\$	5.58	6		0.00%
RTSR - Connection and/or Line and	Þ	0.0071	700	Ф	5.56	Þ	0.0071	700	Ф	5.56	\$	-	0.00%
Transformation Connection	\$	0.0053	786	\$	4.17	\$	0.0048	786	\$	3.77	\$	(0.39)	-9.43%
Sub-Total C - Delivery (including Sub-													
Total B)				\$	45.80				\$	46.32	\$	0.52	1.13%
Wholesale Market Service Charge (WMSC)	\$	0.0036	786	\$	2.83	\$	0.0036	786	\$	2.83	\$	-	0.00%
Rural and Remote Rate Protection (RRRP)	\$	0.0013	786	\$	1.02	\$	0.0013	786	\$	1.02	\$	-	0.00%
Standard Supply Service Charge													
Debt Retirement Charge (DRC)													
Ontario Electricity Support Program	_								_				
(OESP)	\$	0.0011	786	\$	0.86	\$	0.0011	786	\$	0.86	\$	-	0.00%
Non-RPP Retailer Avg. Price	\$	0.1130	750	\$	84.75	\$	0.1130	750	\$	84.75	\$	-	0.00%
-													
Total Bill on Non-RPP Avg. Price				\$	135.27				\$	135.78	\$	0.52	0.38%
HST		13%		\$	17.58	1	13%		\$	17.65	\$	0.07	0.38%
Total Bill on Non-RPP Avg. Price				\$	152.85				\$	153.43	\$	0.58	0.38%
,													

		Current C	DEB-Approved	d				Proposed				Impa	ct
		Rate	Volume		Charge		Rate	Volume		Charge			
		(\$)			(\$)		(\$)			(\$)		\$ Change	% Change
Monthly Service Charge	\$	38.05		\$	38.05		38.73	1	\$	38.73	\$	0.68	1.79%
Distribution Volumetric Rate	\$	0.0139	2000		27.80		0.0142	2000	\$	28.40	\$	0.60	2.16%
Fixed Rate Riders	\$	2.43	1	\$	2.43		-	1	\$	-	\$	(2.43)	-100.00%
Volumetric Rate Riders	-\$	0.0031	2000	\$	(6.20)	\$	0.0012	2000	\$	2.40	\$	8.60	-138.71%
Sub-Total A (excluding pass through)				\$	62.08				\$	69.53		7.45	12.00%
Line Losses on Cost of Power	\$	0.1130	96	\$	10.83	\$	0.1130	96	\$	10.83	\$	-	0.00%
Total Deferral/Variance Account Rate Riders	\$	-	2,000	\$	-	-\$	0.0062	2,000	\$	(12.40)	\$	(12.40)	
GA Rate Riders						\$	0.0046	2,000	\$	9.20	\$	9.20	
Low Voltage Service Charge	\$	0.0004	2,000	\$	0.80	\$	0.0004	2,000	\$	0.80	\$	-	0.00%
Smart Meter Entity Charge (if applicable)	\$	0.7900	1	\$	0.79	\$	0.7900	1	\$	0.79	\$	-	0.00%
Sub-Total B - Distribution (includes Sub-				\$	74.50				\$	78.75	\$	4.25	5.71%
Total A)				·	10.11	_		0.000	•		·	-	0.000/
RTSR - Network	\$	0.0064	2,096	\$	13.41	\$	0.0064	2,096	\$	13.41	\$	-	0.00%
RTSR - Connection and/or Line and Transformation Connection	\$	0.0046	2,096	\$	9.64	\$	0.0042	2,096	\$	8.80	\$	(0.84)	-8.70%
Sub-Total C - Delivery (including Sub-					97.55				•	100.96	•	3.41	3.50%
Total B)				\$	97.55				\$	100.96	Þ	3.41	3.50%
Wholesale Market Service Charge (WMSC)	\$	0.0036	2,096	\$	7.54	\$	0.0036	2,096	\$	7.54	\$	-	0.00%
Rural and Remote Rate Protection (RRRP)	\$	0.0013	2,096	\$	2.72	\$	0.0013	2,096	\$	2.72	\$	-	0.00%
Standard Supply Service Charge													
Debt Retirement Charge (DRC)	\$	0.0070	2,000	\$	14.00	\$	0.0070	2,000	\$	14.00	\$	-	0.00%
Ontario Electricity Support Program		0.0011	2,096	\$	2.31	٠	0.0011	2,096	\$	2.31	\$	_	0.00%
(OESP)	P	0.0011	2,096	Φ	2.31	Þ	0.0011	2,096	Φ	2.31	Φ	-	0.00%
Non-RPP Retailer Avg. Price	\$	0.1130	2,000	\$	226.00	\$	0.1130	2,000	\$	226.00	\$	-	0.00%
Total Bill on Non-RPP Avg. Price				\$	350.12				\$	353.54	\$	3.41	0.97%
HST		13%		\$	45.52		13%		\$	45.96	\$	0.44	0.97%
Total Bill on Non-RPP Avg. Price				\$	395.64				\$	399.50	\$	3.86	0.97%

		Current C	DEB-Approved	d				Proposed			Impa	ct
	Ra	te	Volume		Charge		Rate	Volume	Charge			
	(\$				(\$)		(\$)		(\$)		\$ Change	% Change
Monthly Service Charge	\$	103.43		\$	103.43	\$	105.29		\$ 105.2			1.80%
Distribution Volumetric Rate	\$	3.3809	180	\$	608.56	\$	3.4418	180	\$ 619.5			1.80%
Fixed Rate Riders	\$	(0.57)	1	\$	(0.57)		-	1	\$ -	\$	0.57	-100.00%
Volumetric Rate Riders	-\$	1.1788	180		(212.18)	\$	0.1600	180	\$ 28.8			-113.57%
Sub-Total A (excluding pass through)				\$	499.24				\$ 753.6	1 \$	254.38	50.95%
Line Losses on Cost of Power	\$	-	-	\$	-	\$	-	-	\$ -	\$	-	
Total Deferral/Variance Account Rate Riders	\$	-	180	\$	-	-\$	2.3198	180	\$ (417.5	6) \$	(417.56)	
GA Rate Riders						\$	0.0046	65,000	\$ 299.0	0 \$	299.00	
Low Voltage Service Charge	s	0.1612	180	\$	29.02	\$	0.1612	180	\$ 29.0			0.00%
Smart Meter Entity Charge (if applicable)	Ś	-	1	\$	-	\$	_	1	\$ -	\$	-	
Sub-Total B - Distribution (includes Sub-				s	528.25				\$ 664.0	7 S	135.81	25.71%
Total A)				*								
RTSR - Network	\$	2.6464	180	\$	476.35	\$	2.6437	180	\$ 475.8	7 \$	(0.49)	-0.10%
RTSR - Connection and/or Line and	s	1.8580	180	\$	334.44	s	1.6785	180	\$ 302.1	3 \$	(32.31)	-9.66%
Transformation Connection	*		100	Ť	00 1. 1 1	Ψ.		100	Ψ 002.1	Ů	(02.01)	0.007
Sub-Total C - Delivery (including Sub- Total B)				\$	1,339.05				\$ 1,442.0	6 \$	103.02	7.69%
Wholesale Market Service Charge (WMSC)	\$	0.0036	68,114	\$	245.21	\$	0.0036	68,114	\$ 245.2	1 \$	-	0.00%
Rural and Remote Rate Protection (RRRP)	\$	0.0013	68,114	\$	88.55	\$	0.0013	68,114	\$ 88.5	5 \$	-	0.00%
Standard Supply Service Charge												
Debt Retirement Charge (DRC)	\$	0.0070	65,000	\$	455.00	\$	0.0070	65,000	\$ 455.0	0 \$	-	0.00%
Ontario Electricity Support Program	s	0.0011	68,114	e.	74.92	\$	0.0011	68,114	\$ 74.9	2 \$		0.00%
(OESP)	\$	0.0011	00,114	Ф	74.92	Þ	0.0011	00,114	\$ 74.8	2 ٥	-	0.00%
Non-RPP Retailer Avg. Price	\$	0.1130	68,114	\$	7,696.83	\$	0.1130	68,114	\$ 7,696.8	3 \$	-	0.00%
Total Bill on Non-RPP Avg. Price				\$	9,899.55	l			\$ 10,002.5		103.02	1.04%
HST		13%		\$	1,286.94		13%		\$ 1,300.3			1.04%
Total Bill on Non-RPP Avg. Price				\$	11,186.49				\$ 11,302.9	0 \$	116.41	1.04%

		Current (DEB-Approved	d		П		Proposed			П	Impa	ct
		Rate	Volume		Charge		Rate	Volume		Charge		•	
		(\$)			(\$)		(\$)			(\$)		\$ Change	% Change
Monthly Service Charge	\$	19.65		\$	19.65		20.00	1	\$	20.00	\$	0.35	1.78%
Distribution Volumetric Rate	\$	0.0137	250		3.43		0.0139	250	\$	3.48	\$	0.05	1.46%
Fixed Rate Riders	\$	(0.18)	1	\$	(0.18)		-	1	\$	-	\$	0.18	-100.00%
Volumetric Rate Riders	-\$	0.0031	250		(0.78)		-	250	\$		\$	0.78	-100.00%
Sub-Total A (excluding pass through)				\$	22.12				\$	23.48		1.36	6.13%
Line Losses on Cost of Power	\$	0.1130	12	\$	1.35	\$	0.1130	12	\$	1.35	\$	-	0.00%
Total Deferral/Variance Account Rate Riders	\$	-	250	\$	-	-\$	0.0061	250	\$	(1.53)	\$	(1.53)	
GA Rate Riders						\$	-	250	\$	-	\$	-	
Low Voltage Service Charge	\$	0.0004	250	\$	0.10	\$	0.0004	250	\$	0.10	\$	-	0.00%
Smart Meter Entity Charge (if applicable)	\$	-	1	\$	-	\$	-	1	\$	-	\$	-	
Sub-Total B - Distribution (includes Sub-				s	23.57				\$	23.40		(0.17)	-0.72%
Total A)									•		Ψ	(0.11)	
RTSR - Network	\$	0.0064	262	\$	1.68	\$	0.0064	262	\$	1.68	\$	-	0.00%
RTSR - Connection and/or Line and	s	0.0046	262	\$	1.21	\$	0.0042	262	\$	1.10	\$	(0.10)	-8.70%
Transformation Connection	· ·	0.00.0	202	Ψ		Ť	0.001.2	202	Ψ	0	Ψ.	(0.10)	0.1 0 70
Sub-Total C - Delivery (including Sub-				\$	26.45				\$	26.18	\$	(0.27)	-1.04%
Total B)				*					•		Ť	(,	
Wholesale Market Service Charge (WMSC)	\$	0.0036	262	\$	0.94	\$	0.0036	262	\$	0.94	\$	-	0.00%
Rural and Remote Rate Protection (RRRP)	\$	0.0013	262	\$	0.34	\$	0.0013	262	\$	0.34	\$	-	0.00%
Standard Supply Service Charge													
Debt Retirement Charge (DRC)	s	0.0070	250	\$	1.75	\$	0.0070	250	\$	1.75	\$		0.00%
Ontario Electricity Support Program				1	-								
(OESP)	\$	0.0011	262	\$	0.29	\$	0.0011	262	\$	0.29	\$	-	0.00%
Non-RPP Retailer Avg. Price	s	0.1130	250	\$	28.25	\$	0.1130	250	\$	28.25	\$	-	0.00%
						Ė			Ė		Ė		
Total Bill on Non-RPP Avg. Price				\$	58.03	П			\$	57.75	\$	(0.27)	-0.47%
HST		13%		\$	7.54	1	13%		\$	7.51	\$	(0.04)	-0.47%
Total Bill on Non-RPP Avg. Price				\$	65.57				\$	65.26	\$	(0.31)	-0.47%
												` '	

17.09 21.3249 (0.13) 1.2734 0.1130	Volume 1 0.12 1 0.12 2	\$ \$ \$	(\$) 17.09 2.56 (0.13)	\$ 2		Volume 1 0.12	Charge (\$) \$ 17.40	\$	\$ Change	% Change
21.3249 (0.13) 1.2734	0.12	· • • •	17.09 2.56 (0.13)	\$	17.40	1	\$ 17.40	\$		% Change
21.3249 (0.13) 1.2734	0.12	· • • •	2.56 (0.13)	\$ 2		1		\$		
(0.13) 1.2734	0.12	· \$\$	(0.13)		21.7087	0.12			0.31	1.81%
1.2734		\$		S		0.12	\$ 2.61	\$	0.05	1.80%
			(0.45)		-	1	\$ -	\$	0.13	-100.00%
0.1130	2	θ	(0.15)	\$	-	0.12	\$	\$	0.15	-100.00%
0.1130	2	ę	19.37				\$ 20.01	\$	0.64	3.30%
-		\$	0.24	\$	0.1130	2	\$ 0.24	\$	-	0.00%
	0	\$	-	-\$	2.3316	0	\$ (0.28)	\$	(0.28)	
				\$	0.0046	44	\$ 0.20	\$	0.20	
0.1347	0	\$	0.02	\$	0.1347	0	\$ 0.02	\$	-	0.00%
-	1	\$	-	\$	-	1	\$ -	\$	-	
		s	19.62				\$ 20.18	s	0.56	2.86%
		•					•			
1.9593	0	\$	0.24	\$	1.9573	0	\$ 0.23	\$	(0.00)	-0.10%
1.5526	0	\$	0.19	\$	1.4026	0	\$ 0.17	\$	(0.02)	-9.66%
		*					* ****	Ť	(/	
		\$	20.04				\$ 20.59	\$	0.54	2.71%
								1		
0.0036	46	\$	0.17	\$	0.0036	46	\$ 0.17	\$	-	0.00%
0.0013	46	\$	0.06	\$	0.0013	46	\$ 0.06	\$	-	0.00%
0.0070	44	\$	0.31	\$	0.0070	44	\$ 0.31	\$	-	0.00%
0.0011	46	\$	0.05	\$	0.0011	46	\$ 0.05	\$	-	0.00%
0.1130	44	\$	4.97	\$	0.1130	44	\$ 4.97	\$	-	0.00%
		\$	25.60	•				\$	0.54	2.12%
		\$	3.33		13%		\$ 3.40	\$	0.07	2.12%
13%		\$	28.93				\$ 29.54	\$	0.61	2.12%
	13%		13%	\$ 25.60 13% \$ 3.33	\$ 25.60 13% \$ 3.33	\$ 25.60 13% \$ 3.33 13%	\$ 25.60 13% \$ 3.33 13%	\$ 25.60 \$ 26.14 13% \$ 3.33 13% \$ 3.40	\$ 25.60 \$ 26.14 \$ 3.33 \$ 3.40 \$	\$ 25.60 \$ 26.14 \$ 0.54 \$ 3.40 \$ 0.07

		Current (DEB-Approved	d		Г		Proposed			Π	Impa	ct
		Rate (\$)	Volume		Charge (\$)		Rate (\$)	Volume		Charge (\$)		\$ Change	% Change
Monthly Service Charge	\$	1.21	1	\$	1.21	\$		1	\$	1.23	\$	0.02	1.65%
Distribution Volumetric Rate	\$	4.7185	0.13	\$	0.61	\$	4.8034	0.13	\$	0.62	\$	0.01	1.80%
Fixed Rate Riders	\$	(0.01)	1	\$	(0.01)	\$	-	1	\$		\$	0.01	-100.00%
Volumetric Rate Riders	-\$	1.1078	0.13		(0.14)	\$	-	0.13		-	\$	0.14	-100.00%
Sub-Total A (excluding pass through)				\$	1.67				\$	1.85	\$	0.19	11.08%
Line Losses on Cost of Power	\$	0.1130	2	\$	0.27	\$	0.1130	2	\$	0.27	\$	-	0.00%
Total Deferral/Variance Account Rate Riders	\$	-	0	\$	-	-\$	2.1723	0	\$	(0.28)	\$	(0.28)	
GA Rate Riders						\$	0.0046	50	\$	0.23	\$	0.23	
Low Voltage Service Charge	\$	0.1239	0	\$	0.02	\$	0.1239	0	\$	0.02	\$	-	0.00%
Smart Meter Entity Charge (if applicable)	\$	-	1	\$	-	\$	-	1	\$	-	\$	-	
Sub-Total B - Distribution (includes Sub-				s	1.96				\$	2.09	\$	0.13	6.78%
Total A) RTSR - Network	-	2.0005	^		0.26		1.9985	0		0,26		(0.00)	-0.10%
RTSR - Network RTSR - Connection and/or Line and	\$	2.0005	0	\$	0.26	\$	1.9985	0	\$	0.26	ъ	(0.00)	-0.10%
Transformation Connection	\$	1.4275	0	\$	0.19	\$	1.2896	0	\$	0.17	\$	(0.02)	-9.66%
Sub-Total C - Delivery (including Sub-				s	2.40				\$	2.52	•	0.11	4.77%
Total B)				Ψ	2.40				9	2.32	9	0.11	4.77
Wholesale Market Service Charge (WMSC)	\$	0.0036	52	\$	0.19	\$	0.0036	52	\$	0.19	\$	-	0.00%
Rural and Remote Rate Protection (RRRP)	\$	0.0013	52	\$	0.07	\$	0.0013	52	\$	0.07	\$	-	0.00%
Standard Supply Service Charge													
Debt Retirement Charge (DRC)	\$	0.0070	50	\$	0.35	\$	0.0070	50	\$	0.35	\$	-	0.00%
Ontario Electricity Support Program	s	0.0011	52	\$	0.06	s	0.0011	52	\$	0.06	\$	_	0.00%
(OESP)	*												
Non-RPP Retailer Avg. Price	\$	0.1130	50	\$	5.65	\$	0.1130	50	\$	5.65	\$		0.00%
					0.70				_	0.00		0.44	4.040/
Total Bill on Non-RPP Avg. Price		400/		3	8.72 1.13		400/		\$	8.83 1.15	\$	0.11 0.01	1.31% 1.31%
HST		13%		\$	9.85		13%		\$	9.98	\$	0.01	
Total Bill on Non-RPP Avg. Price				2	9.85				Þ	9.98	Þ	0.13	1.31%

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

Monthly Service Charge Distribution Volumetric Rate	Rate (\$) \$ 21.94	OEB-Approved Volume	Charge		D-1-				
Distribution Volumetric Rate					Rate	Volume	Charge		
Distribution Volumetric Rate	\$ 21.94		(\$)		(\$)		(\$)	\$ Change	% Change
		1	\$ 21.9		25.74	1	\$ 25.74	\$ 3.80	17.32%
	\$ 0.0139	285.5	\$ 3.9		0.0095	285.5	\$ 2.71	\$ (1.26)	-31.65%
Fixed Rate Riders	\$ 0.79	1	\$ 0.7		-	1	\$ -	\$ (0.79)	-100.00%
	-\$ 0.0031	285.5			0.0002	285.5	\$ 0.06	\$ 0.94	-106.45%
Sub-Total A (excluding pass through)			\$ 25.8				\$ 28.51		10.44%
	\$ 0.1114	14	\$ 1.5	52	0.1114	14	\$ 1.52	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	286	\$ -	-\$	0.0063	286	\$ (1.80)	\$ (1.80)	
GA Rate Riders				9	-	286	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0005	286	\$ 0.1	4 \$	0.0005	286	\$ 0.14	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.7	9 \$	0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-			\$ 28.2				\$ 29.17	\$ 0.90	3.17%
Total A)			\$ 20.2	.,			\$ 29.17	\$ 0.90	3.17%
RTSR - Network	\$ 0.0071	299	\$ 2.1	2 \$	0.0071	299	\$ 2.12	\$ -	0.00%
RTSR - Connection and/or Line and	\$ 0.0053	299	\$ 1.5		0.0048	299	\$ 1.44	\$ (0.15)	-9.43%
Transformation Connection	\$ 0.0053	299	φ 1.0	9	0.0046	299	\$ 1.44	\$ (0.15)	-9.43%
Sub-Total C - Delivery (including Sub-			\$ 31.9	10			\$ 32.73	\$ 0.75	2.34%
Total B)			ş 31.3	76			φ 32.13	\$ 0.75	2.34 /6
Wholesale Market Service Charge (WMSC)	\$ 0.0036	299	\$ 1.0	08	0.0036	299	\$ 1.08	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)		000			0.0040	000	*		0.000/
, ,	\$ 0.0013	299	\$ 0.3	39 \$	0.0013	299	\$ 0.39	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.2	25	0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)									
Ontario Electricity Support Program	\$ 0.0011	299	\$ 0.3	33 5	0.0011	299	\$ 0.33	s -	0.00%
(OESP)	\$ 0.0011	299	\$ 0.5	3	0.0011	299	\$ 0.33	a -	0.00%
	\$ 0.0870	186	\$ 16.1	5 \$		186	\$ 16.15	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	49	\$ 6.4	11 \$	0.1320	49	\$ 6.41	\$ -	0.00%
TOU - On Peak	\$ 0.1800	51	\$ 9.2	25 \$	0.1800	51	\$ 9.25	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 65.8	33			\$ 66.57	\$ 0.75	1.14%
HST	13%		\$ 8.5	6	13%		\$ 8.65	\$ 0.10	1.14%
Total Bill on TOU			\$ 74.3	88			\$ 75.23	\$ 0.84	1.14%

| Customer Class: | RESIDENTIAL SERVICE CLASSIFICATION | RPP / Non-RPP: | Non-RPP (Retailer) | 286 | kWh | Current Loss Factor | 1.0479 | Retailer | 1.0479 | Retailer

Monthly Service Charge \$ 21.94 1 \$ 25.74 1 \$ 25.74 \$ 3.80	Γ	Current OEB-	EB-Approved	Propos	ed	Impa	act
Monthly Service Charge \$ 21.94 1 \$ 21.94 \$ 25.74 1 \$ 25.74 \$ 3.80		Rate V	Volume Charge	Rate Volume	Charge		
Distribution Volumetric Rate \$ 0.013		(\$)					% Change
Sub-Total Reservice Charge \$ 0.0031 285.5 \$ 0.0002 285.5 \$ 0.006 \$ 0.94	Monthly Service Charge						17.32%
Volumetric Rate Riders \$ 0.0031 285.5 \$ (0.89) \$ 0.0002 285.5 \$ 0.06 \$ 0.94	Distribution Volumetric Rate			\$ 0.0095	285.5 \$ 2.71		-31.65%
Sub-Total A (excluding pass through) \$ 25.81 \$ 2.70	Fixed Rate Riders			¥	1 \$ -		-100.00%
Line Losses on Cost of Power Total Deferral/Variance Account Rate Riders \$ 0.1130	Volumetric Rate Riders .	-\$ 0.0031		\$ 0.0002			-106.45%
Total Deferral/Variance Account Rate Riders \$ - 286 \$\$ 0.0063 286 \$ (1.80) \$ (1.80) \$ (1.80) \$ GA Rate Riders Low Voltage Service Charge \$ 0.0005 286 \$ 0.14 \$ 0.0005 286 \$ 0.14 \$	Sub-Total A (excluding pass through)						10.44%
\$ - 286 \$ - \$ 0.0063 286 \$ (1.80) \$ (1.	Line Losses on Cost of Power	\$ 0.1130	14 \$ 1.55	\$ 0.1130	14 \$ 1.55	\$ -	0.00%
Low Voltage Service Charge \$ 0.0005 286 \$ 0.14 \$ 0.0005 0.7900 1 \$ 0.790 \$ 1 \$	Total Deferral/Variance Account Rate Riders	\$ -	286 \$ -	-\$ 0.0063	286 \$ (1.80) \$ (1.80)	
Low Voltage Service Charge \$ 0.0005 286 \$ 0.14 \$ 0.0005 \$ 0.7900 1 \$ 0.790 1 \$ 0.790 \$ 0.7900 1 \$ 0.7900 \$	GA Rate Riders			\$ 0.0046	286 \$ 1.31	\$ 1.31	
Signath Meter Entity Charge (if applicable) \$ 0.7900		\$ 0.0005	286 \$ 0.14				0.00%
Sub-Total B - Distribution (includes Sub-Total A) \$ 28.29 \$ 30.50 \$ 2.21							0.00%
Total A\		*					
RTSR - Network RTSR - Connection and/or Line and Transformation Connection \$ 0.0053			\$ 28.29		\$ 30.50	\$ 2.21	7.81%
Transformation Connection \$ 0.0053 299 \$ 1.59 \$ 0.0048 299 \$ 1.44 \$ (0.15)		\$ 0.0071	299 \$ 2.12	\$ 0.0071	299 \$ 2.12	\$ -	0.00%
Sub-Total Discrete Sub-Total Carge Sub-Total Sub-Total Discrete	RTSR - Connection and/or Line and	0.0050	000 6 4 50		000	(0.45)	-9.43%
Total B) \$ 32.00 \$ 34.06 \$ 2.00 Wholesale Market Service Charge (WMSC) \$ 0.0036 299 \$ 1.08 \$ 0.0036 299 \$ 1.08 \$ - Rural and Remote Rate Protection (RRRP) \$ 0.0013 299 \$ 0.39 \$ 0.0013 299 \$ 0.39 \$ - Standard Supply Service Charge Debt Retirement Charge (DRC) Ontario Electricity Support Program \$ 0.0011 299 \$ 0.33 \$ 0.0011 299 \$ 0.33 \$ 0.0011	Transformation Connection	\$ 0.0053	299 \$ 1.59	\$ 0.0048	299 \$ 1.44	\$ (0.15)	-9.43%
Rural and Remote Rate Protection (RRRP) \$ 0.0013 299 \$ 0.39 \$ 0.0013 299 \$ 0.39 \$ - Standard Supply Service Charge Debt Retirement Charge (DRC) Ontario Electricity Support Program			\$ 32.00		\$ 34.06	\$ 2.06	6.44%
Standard Supply Service Charge Debt Retirement Charge (DRC) Ontario Electricity Support Program	Wholesale Market Service Charge (WMSC)	\$ 0.0036	299 \$ 1.08	\$ 0.0036	299 \$ 1.08	\$ -	0.00%
Debt Retirement Charge (DRC) Ontario Electricity Support Program	Rural and Remote Rate Protection (RRRP)	\$ 0.0013	299 \$ 0.39	\$ 0.0013	299 \$ 0.39	\$ -	0.00%
	Ontario Electricity Support Program (OESP)	\$ 0.0011	299 \$ 0.33	\$ 0.0011	299 \$ 0.33	\$ -	0.00%
(UESP) Non-RPP Retailer Avg. Price \$ 0.1130		\$ 0.1130	286 \$ 32.26	\$ 0.1130	286 \$ 32.26	· -	0.00%
101 No 1 Notation My, 1 not 200 9 02.20 9 0.1150 200 9 02.20 9 -	Non Relation Avg. 1 noc	0.1130	200 \$ 32.20	0.1100	200 W 32.20	- ΙΨ	0.0078
Total Bill on Non-RPP Avg. Price \$ 66.06 \$ 68.12 \$ 2.06	Total Bill on Non-RPP Avg. Price		\$ 66.06		\$ 68.12	\$ 2.06	3.12%
HST 13% \$ 8.59 13% \$ 8.86 \$ 0.27		13%		13%			3.12%
Total Bill on Non-RPP Avg. Price \$ 74.65 \$ 2.33		1376		1376			3.12%
V 17.00 \$ 10.31 \$ 2.30	Total Dill on London Hill Parg. 1 Hoc		Ų 74.03		70.97	2.00	J.1276

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

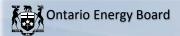
	Curren	t OEB-Approve	d		П		Proposed			Т	Impa	ct
	Rate	Volume		Charge		Rate	Volume	(Charge		•	
	(\$)			(\$)		(\$)			(\$)		\$ Change	% Change
Monthly Service Charge	\$ 21.9	1	\$	21.94	\$	25.74	1	\$	25.74	\$	3.80	17.32%
Distribution Volumetric Rate	\$ 0.013	1600	\$	22.24	\$	0.0095	1600	\$	15.20	\$	(7.04)	-31.65%
Fixed Rate Riders	\$ 0.79	1	\$	0.79	\$	-	1	\$	-	\$	(0.79)	-100.00%
Volumetric Rate Riders	-\$ 0.003	1600	\$	(4.96)	\$	0.0002	1600	\$	0.32	\$	5.28	-106.45%
Sub-Total A (excluding pass through)			\$	40.01				\$	41.26	\$	1.25	3.12%
Line Losses on Cost of Power	\$ 0.111	77	\$	8.54	\$	0.1114	77	\$	8.54	\$		0.00%
Total Deferral/Variance Account Rate Riders	s -	1,600	\$	-	-\$	0.0063	1,600	\$	(10.08)	\$	(10.08)	
GA Rate Riders					s	_	1,600	\$		\$		
Low Voltage Service Charge	\$ 0.000	1,600	\$	0.80	\$	0.0005	1,600	\$	0.80	\$	-	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.790) 1	\$	0.79	\$	0.7900	1	\$	0.79	\$	-	0.00%
Sub-Total B - Distribution (includes Sub-	1				Ė					1	()	4= 444
Total A)			\$	50.14				\$	41.31	\$	(8.83)	-17.61%
RTSR - Network	\$ 0.007	1,677	\$	11.90	\$	0.0071	1,677	\$	11.90	\$	-	0.00%
RTSR - Connection and/or Line and	\$ 0.005	1,677	\$	8.89		0.0048	1,677	\$	8.05		(0.04)	-9.43%
Transformation Connection	\$ 0.005	1,077	Ф	0.09	Þ	0.0048	1,077	Ф	6.05	\$	(0.84)	-9.43%
Sub-Total C - Delivery (including Sub-			s	70.93				\$	61.26	\$	(9.67)	-13.63%
Total B)			ð	70.93				9	01.20	P	(9.07)	-13.03/6
Wholesale Market Service Charge (WMSC)	\$ 0.003	1,677	\$	6.04	\$	0.0036	1,677	\$	6.04	\$	-	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.001	1,677	\$	2.18		0.0013	1,677	\$	2.18	e	_	0.00%
		, -	1	-			1,077	•			-	
Standard Supply Service Charge	\$ 0.250) 1	\$	0.25	\$	0.2500	1	\$	0.25	\$	-	0.00%
Debt Retirement Charge (DRC)												
Ontario Electricity Support Program	\$ 0.001	1,677	\$	1.84	\$	0.0011	1.677	\$	1.84	\$		0.00%
(OESP)	,	, -					**	•				
TOU - Off Peak	\$ 0.087			90.48			1,040	\$	90.48	\$	-	0.00%
TOU - Mid Peak	\$ 0.132		\$	35.90			272	\$	35.90	\$	-	0.00%
TOU - On Peak	\$ 0.180	288	\$	51.84	\$	0.1800	288	\$	51.84	\$	-	0.00%
Total Bill on TOU (before Taxes)			\$	259.46	Ι		·	\$	249.79	\$	(9.67)	-3.73%
HST	13'	%	\$	33.73		13%		\$	32.47	\$	(1.26)	-3.73%
Total Bill on TOU			\$	293.19				\$	282.27	\$	(10.93)	-3.73%

Customer Class: RESIDENTIAL SERVIC
RPP / Non-RPP: Non-RPP (Retailer)
Consumption 1,600 kWh - kW 1.0479 1.0479

		Current OEB-Approved				Proposed					Impact		
		Rate	Volume		Charge		Rate	Volume		Charge			
		(\$)			(\$)		(\$)			(\$)		\$ Change	% Change
Monthly Service Charge	\$	21.94	1	\$	21.94	\$	25.74	1	\$	25.74	\$	3.80	17.32%
Distribution Volumetric Rate	\$	0.0139	1600	\$	22.24	\$	0.0095	1600	\$	15.20	\$	(7.04)	-31.65%
Fixed Rate Riders	\$	0.79	1	\$	0.79	\$	-	1	\$	-	\$	(0.79)	-100.00%
Volumetric Rate Riders	-\$	0.0031	1600	\$	(4.96)	\$	0.0002	1600	\$	0.32	\$	5.28	-106.45%
Sub-Total A (excluding pass through)				\$	40.01				\$	41.26		1.25	3.12%
Line Losses on Cost of Power	\$	0.1130	77	\$	8.66	\$	0.1130	77	\$	8.66	\$	-	0.00%
Total Deferral/Variance Account Rate Riders	\$	-	1,600	\$	-	-\$	0.0063	1,600	\$	(10.08)	\$	(10.08)	
GA Rate Riders						\$	0.0046	1,600	\$	7.36	\$	7.36	
Low Voltage Service Charge	\$	0.0005	1,600	\$	0.80	\$	0.0005	1,600	\$	0.80	\$	-	0.00%
Smart Meter Entity Charge (if applicable)	\$	0.7900	1	\$	0.79	\$	0.7900	1	\$	0.79	\$	-	0.00%
Sub-Total B - Distribution (includes Sub-				s	50.26				\$	48.79		(1.47)	-2.92%
Total A)									٠		Ψ	(1.47)	
RTSR - Network	\$	0.0071	1,677	\$	11.90	\$	0.0071	1,677	\$	11.90	\$	-	0.00%
RTSR - Connection and/or Line and	s	0.0053	1,677	\$	8.89		0.0048	1,677	\$	8.05	e	(0.84)	-9.43%
Transformation Connection	Ψ	0.0033	1,077	Ψ	0.03	9	0.0040	1,077	÷	0.00	Ψ	(0.04)	-3.437
Sub-Total C - Delivery (including Sub- Total B)				\$	71.05				\$	68.74	\$	(2.31)	-3.25%
Wholesale Market Service Charge (WMSC)	\$	0.0036	1,677	\$	6.04	\$	0.0036	1,677	\$	6.04	\$	-	0.00%
Rural and Remote Rate Protection (RRRP)	\$	0.0013	1,677	\$	2.18	\$	0.0013	1,677	\$	2.18	\$	-	0.00%
Standard Supply Service Charge													
Debt Retirement Charge (DRC)													
Ontario Electricity Support Program	s	0.0011	1,677	\$	1.84	•	0.0011	1.677	\$	1.84	¢		0.00%
(OESP)	*							,-	,				
Non-RPP Retailer Avg. Price	\$	0.1130	1,600	\$	180.80	\$	0.1130	1,600	\$	180.80	\$	-	0.00%
Total Bill on Non-RPP Avg. Price		·		\$	261.91	1			\$	259.60	\$	(2.31)	-0.88%
HST		13%		\$	34.05		13%		\$	33.75	\$	(0.30)	-0.889
Total Bill on Non-RPP Avg. Price				\$	295.96				\$	293.35	\$	(2.61)	-0.88%

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Appendix E OEB LRAMVA Work Form



LRAMVA Work Form: Summary Table

LRAMVA Summary

This is a summary sheet that contains the final LRAMVA balances with links from Tabs 2, 4, 5 and 7.

File Number EB-2016-0094 Exhibit Amount of LRAM claimed in the past Years of LRAM Claimed Schedule Tab Last Cost of Service Application (File No.) EB-2014-0096 Page User Inputs (Green) Amount of LRAMVA to claim \$496,933.79 Legend Auto Populated Cells (White) Recovery Period of LRAMVA Claim

Table 1. Annual and Total LRAMVA by Rate Class

Description	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total
2011 Forecast	(\$34,840.54)	(\$7,937.21)	(\$34,087.75)				(\$76,865.51)
2011 Actuals	\$18,163.32	\$17,638.94	\$38,367.74				\$74,170.00
Amount Cleared							
2012 Forecast	(\$35,986.61)	(\$8,118.98)	(\$35,058.19)				(\$79,163.78)
2012 Actuals	\$30,926.92	\$32,529.67	\$97,443.04				\$160,899.63
Amount Cleared							
2013 Forecast	(\$36,215.83)	(\$8,179.57)	(\$35,028.78)				(\$79,424.18)
2013 Actuals	\$46,117.09	\$51,780.41	\$117,847.40				\$215,744.90
Amount Cleared							
2014 Forecast	(\$36,445.04)	(\$8,240.16)	(\$35,326.21)				(\$80,011.41)
2014 Actuals	\$92,560.95	\$65,312.38	\$156,583.67				\$314,457.00
Amount Cleared							
2015 Forecast	(\$52,610.62)	(\$47,858.68)	(\$94,235.51)				(\$194,704.81)
2015 Actuals	\$90,581.81	\$57,378.16	\$74,051.93				\$222,011.89
Amount Cleared							
Carrying Charges	\$1,488.43	\$6,467.09	\$11,864.52				\$19,820.04
Total LRAMVA Balance	\$83,739.87	\$150,772.06	\$262,421.86				\$496,933.79



Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) Work Form

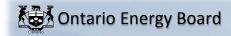
Version 1.0 (2017)

Generic LRAMVA Work Forms

File Name	Description
1. LRAMVA Summary	Table 1 provides a summary of the LRAMVA balances and carrying charges associated with the LRAMVA claim. The balances are populated from entries into other tabs throughout this work form.
2. CDM Allocation	Tables 2, 3 and 4 include the CDM savings and allocation by rate class that were included in the load forecast.
3. Distribution Rates	Tables 5 and 6 include a historical account of distribution rates that were used to calculate lost revenues.
4. 2011-14 LRAM	Tables 7, 8, 9 and 10 includes 2011-2014 LRAMVA work forms. These should only be used if the LDC has not applied for approval of these amounts.
5. 2015 LRAM	Table 11-a includes a template workform for calculating 2015 lost revenues based on legacy and new programs.
6. Persistence Rates	Tables 12 and 13 includes the 2011-2014 persistence factors and 2015-2020 persistance factors.
7. Carrying Charges	Tables 19 and 20 includes the carrying charges related to the LRAMVA claim that is being made.

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.

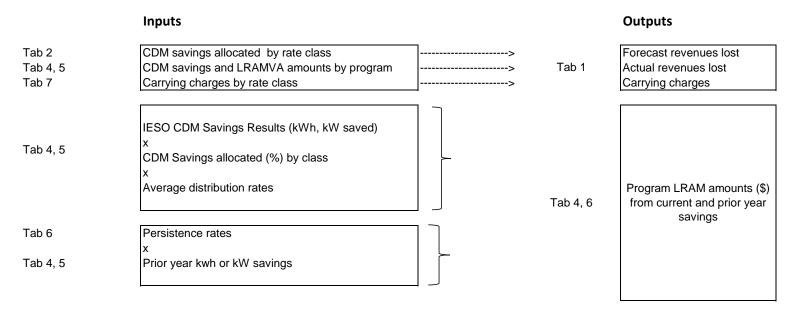
While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the

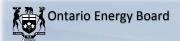


LRAMVA Work Form: Input-Output Schematic

General Note on the LRAMVA Model

The LRAMVA model 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 CDM component of the load forecast and ultimately, any variance between actual CDM savings and the CDM component of the load forecast. 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.





LRAMVA Work Form: CDM Allocation

CDM Savings Target Allocation by Rate Class

Instruction Please update the template as needed or replace this spreadsheet with an existing templates that estimated savings in CDM forecast.

An example template is provided below and can be filled in if it is applicable to the LDC. The LDC may re-populate CDM savings by rate class for

historical years based on past year's approved cost of service application, or relevant information from Appendix 2-I.

Alternatively, LDCs may want to link this spreadsheet to their CDM savings allocation (e.g. appended as another tab in this workbook) to fill in Tables 2, 3 and 4 below.

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

Table 2. Amount used for CDM Threshold for LRAMVA

Forecast Year	kWh	kW	kWh (check)
2011	5,800,000	8,402	5,800,000
2012	5,800,000	8,402	5,800,000
2013	5,800,000	8,402	5,800,000
2014	5,800,000	8,402	5,800,000
2015	15,433,324	25,326	15,433,324
2016	15,433,324	25,326	15,433,324

Table 3. Allocation of CDM Savings (Energy and Demand Billed) by Rate Class in Approved Load Forecast

Forecast Year	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting
	kWh	kWh	kW	kWh	kW	kW
2011	2,292,141	605,894	8,402			
2012	2,292,141	605,894	8,402			
2013	2,292,141	605,894	8,402			
2014	2,292,141	605,894	8,402			
2015	3,006,321	3,468,020	25,326			

Tables 3A: CDM Adjustment as Approved in Cost of Service Application

Note: Tables 3A are not used so have been hidden

Actual CDM Threshold and Allocation values were used in Tables 2 and 3, so Tables 3a were not filled out.

Table 4. Forecast Lost Revenue Amounts by Rate Class

Note:

Forecast Year	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total
	\$	\$	\$	\$	\$	\$	\$
2011	\$34,841	\$7,937	\$34,088				\$76,866

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2012	\$35,987	\$8,119	\$35,058		\$79,164
2013	\$36,216	\$8,180	\$35,029		\$79,424
2014	\$36,445	\$8,240	\$35,326		\$80,011
2015	\$52,611	\$47,859	\$94,236		\$194,705
2016	\$46,297	\$48,205	\$85,473		\$179,976

Notes: References directly the CDM amounts in the forecast. See "Forecast" tab. Tables 2 and 3a not used, as the values do not impact LRAMVA and Tables 3a assumed allocation of CDM impacts based on kWh load share by rate class.

Forecasted impact of CDM in the load forecast

Table 2a, LRAMVA Thresholds 2011

	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	"Unused hide	Total
	kWh	kWh	kW	kWh	kW	kW	kW	
kWh	2,292,141	605,894	2,901,965	-	-	-	-	5,800,000
kW	-	-	8,402	-	-	-	-	8,402

Source:

The 2011-2014 values are forecast lost load from the 2011 Cost of Service Settlement Agreement, p. 18, for EB-2010-0138, dated May 4, 2011. The values are allocated by rate class based on the load differences from NPEI running the load forecast model with CDM and without CDM.

Table 2a. LRAMVA Thresholds 2015

	Residential GS < 50 kW		GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	"Unused hide	Total
	kWh	kWh	kW	kWh	kW	kW	kW	
kWh	3,006,321	3,468,020	8,958,983	-	-	-	-	15,433,324
kW	-	-	25,326	-	-	-	-	25,326

Source:

p.22 of 26 of Proposed Partial Settlement Agreement - Amended March 24, 2015 that forms a part of the decision on EB-2015-0096. As indicated in IRR p.151, these are for 2014 and 2015 only.



LRAMVA Work Form: Distribution Rates

Distribution Rates

Instruction Please update Table 5 with the approved distribution rates for the utility's respective rate classes. The applicable rates to estimate lost revenues will

autopopulate in Table 6 and be used in the LRAM Work Sheets (Tab 4 and Tab 5) for the applicable year in which LRAM is claimed.

LDCs to update the rate classes as appropriate below depending on the utility's customer mix.

Legend User Inputs (Green)

Table 5. Distribution Volumetric Rate by Billing Period

Decision & Orders for Approved Volumetric	EB-2009-0205. EB-2009	EB-2010-0138	EB-2011-0185	EB-2012-0150	EB-2013-0154	FB-2014-0096	5-0090/FB-201	
Rates:	22 2000 0200, 22 2000	22 20 10 0 100	22 2011 0100	22 20:2 0:00	22 20:0 0:0:		0 0000,22 20 .	

Rate Class	Billing Unit	May 1, 2 April 30,		e 1, 2011- I 30, 2012	y 1, 2012- ril 30, 2013	y 1, 2013- ril 30, 2014	• .			May 1, 2017 - April 30,2017
Rate Year		2010)	2011	2012	2013	2014	2015	2016	2017
Pro-ratio of Rates (months) - Period 1		4		5	4	4	4	5	4	
Pro-ratio of Rates (months) - Period 2		8		7	8	8	8	7	8	
Residential	kWh	\$ 0	.0145	\$ 0.0157	\$ 0.0157	\$ 0.0158	\$ 0.0160	\$ 0.0185	\$ 0.0139	
GS < 50 kW	kWh	\$ 0	.0126	\$ 0.0134	\$ 0.0134	\$ 0.0135	\$ 0.0137	\$ 0.0138	\$ 0.0139	
GS 50 to 4,999 kW	kW	\$ 3	.8858	\$ 4.1794	\$ 4.1692	\$ 4.1691	\$ 4.2222	\$ 3.3629	\$ 3.3809	
Unmetered Scattered Load	kWh	\$ 0	.0125	\$ 0.0133	\$ 0.0132	\$ 0.0134	\$ 0.0135	\$ 0.0137	\$ 0.0137	
Sentinel Lighting	kW	\$ 0	.9270	\$ 8.5542	\$ 11.9317	\$ 15.6101	\$ 15.6385	\$ 21.1488	\$ 21.3249	
Street Lighting	kW	\$ 1	.4720	\$ 2.9760	\$ 3.6556	\$ 4.3785	\$ 4.4218	\$ 4.6966	\$ 4.7185	

Table 6. Summary Table: Average Distribution Volumetric Rates by Year for LRAM Calculation

Rate Class	Billing Unit	2011	2012	2013	2014	2015	2016	2017
Residential	kWh	\$ 0.0152	\$ 0.0157	\$ 0.0158	\$ 0.0159	\$ 0.0175	\$ 0.0154	\$ -
GS < 50 kW	kWh	\$ 0.0131	\$ 0.0134	\$ 0.0135	\$ 0.0136	\$ 0.0138	\$ 0.0139	\$ -
GS 50 to 4,999 kW	kW	\$ 4.0571	\$ 4.1726	\$ 4.1691	\$ 4.2045	\$ 3.7209	\$ 3.3749	\$ -
Unmetered Scattered Load	kWh	\$ 0.0130	\$ 0.0132	\$ 0.0133	\$ 0.0135	\$ 0.0136	\$ 0.0137	\$ -
Sentinel Lighting	kW	\$ 5.3762	\$ 10.8059	\$ 14.3840	\$ 15.6290	\$ 18.8528	\$ 21.2662	\$ -
Street Lighting	kW	\$ 2.3493	\$ 3.4291	\$ 4.1375	\$ 4.4074	\$ 4.5821	\$ 4.7112	\$ -



LRAMVA Work Form: 2011-2014 Lost Revenues Work Form

2011-2014 Lost Revenues Work Form

Instruction The following LRAM work forms apply to LDCs that need to recover lost revenues from the 2011-2014 period.

This workbook contains links from Tab 3 (Distribution Rates) and Tab 6 (Persistence Rates).

Demand Response (DR3) Savings should generally not be included with the LRAMVA calculation, unless suported by empirical evidence

Please see revised LRAM policy related to peak demand savings, issued by the OEB in EB-2016-0182.

LDC to adjust the rate allocations by class (columns h to n). Please insert IESO verified savings for applicable programs (columns f to g).

Adjustments will apply to the year that LRAM is claimed.

Legend User Inputs (Green)

Table 7. 2011 Lost Revenues Work Form

#	Initiative	Months of Results Status Months of Demand Net Incremental Energy Savings (kWh)						Rate Allocation for LRAMVA							
			Savings	2011 kW Saved	2011 kWh Saved	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total			
	Consumer Program		•			•					•				
1	Appliance Retirement	Verified	12	30	214,685	100%						100%			
2	Appliance Exchange	Verified	12	4	4,714	100%						100%			
3	HVAC Incentives	Verified	12	282	504,642	90%	10%					100%			
4	Conservation Instant Coupon Booklet	Verified	12	15	272,325	100%						100%			
5	Bi-Annual Retailer Event	Verified	12	17	292,245	100%						100%			
6	Retailer Co-op	Verified	12			100%						100%			
7	Residential Demand Response	Verified		26		100%						100%			
8	Residential New Construction	Verified	12			100%						100%			
	Adjustments to 2011 results (if any)	True-up	12	-46	-60,858	86%	14%								
	Business Program														
9	Retrofit	Verified	12	168	927,120		13%	86%				99%			
10	Direct Install Lighting	Verified	12	333	903,623		100%					100%			
	Building Commissioning	Verified	3												
	New Construction	Verified	12												
	Energy Audit	Verified	12					100%				100%			
	Commercial Demand Response (part of residential program)	Verified		3			100%					100%			
15	Demand Response 3	Verified		106	4,146										

			r								1001 20, 2010	
	Adjustments to 2011 results (if any)	True-up	12	41	147,801	_	64%	21%		Pa	ge 149 of 194	ı
	Industrial Program											
	16 Process & System Upgrades	Verified	12									
	17 Monitoring & Targeting	Verified	12									
	18 Energy Manager	Verified	12									
	19 Retrofit	Verified	12	2	13,815			100%				100%
2	20 Demand Response 3	Verified		63	3,710			100%				100%
	Adjustments to 2011 results (if any)	True-up	12									
	Home Assistance Program											
2	21 Home Assistance Program	Verified	12	0	9,137	100%						100%
	Adjustments to 2011 results (if any)	True-up	12		5							
	Pre-2011 Programs completed in 2011											
2	22 Electricity Retrofit Incentive Program	Verified	12	264	1,480,972		13%	86%				99%
	23 High Performance New Construction	Verified	12	77	395,844			100%				100%
	24 Toronto Comprehensive	Verified	12									
2	25 Multifamily Energy Efficiency Rebates	Verified	12									
	Adjustments to 2011 results (if any)	True-up	12	-1	-255,067			100%				
	Other Programs											
	Adjustments to 2011 results (if any)	True-up	12	329	2,310,596			100%				
	Total kWh					1,194,955	1,346,484					2,541,439
	Total kWh (excludes DR)					1,194,955	1,346,484					
	Total GS > 50 kW							9,457				9,457
	Total GS > 50 kW (excludes Building Co	mmissioning)						9,457				
	Distribution Rate in 2011					\$0.0152	\$0.0131	\$4.0571	\$0.0130	\$5.3762	\$2.3493	
	Lost Revenue in 2011					\$18,163	\$17,639	\$38,368				\$74,170
	2011 Savings Persisting in 2012					1,194,955	1,346,484	9,457				
	2011 Savings Persisting in 2013					1,194,955	1,266,074	9,457				
	2011 Savings Persisting in 2014					1,191,424	928,244	9,457				
1	2011 Savings Persisting in 2015					1,067,294	927,696	9,454				

Table 8. 2012 Lost Revenues Work Form

#	Initiative	Results Status	Months of Demand	Net Incremental Peak Demand Savings (kW)	Net Incremental Energy Savings (kWh)			Rate A	llocation for LF	RAMVA		
"	initiative	Results Status	Savings	2012 kW Saved	2012 kWh Saved	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total
	Consumer Program											
1	Appliance Retirement	Verified	12	20	135,814	100%						100%
2	Appliance Exchange	Verified	12	8	14,737	100%						100%
3	HVAC Incentives	Verified	12	151	253,365	90%	10%					100%
4	Conservation Instant Coupon Booklet	Verified	12	2	13,904	100%						100%
5	Bi-Annual Retailer Event	Verified	12	15	266,332	100%						100%
6	Retailer Co-op	Verified	12			100%						100%
7	Residential Demand Response (switch/pstat)	Verified				100%						100%

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	8 Residential Demand Response (IHD)	Verified				100%				Pag	je 150 of 194	100%
	9 Residential New Construction	Verified	12			100%						100%
	Adjustments to 2012 results (if any)	True-up	12	4	8,601	90%	10%					
	Business Program											
-	10 Retrofit	Verified	12	767	3,486,336		9%	92%				101%
	11 Direct Install Lighting	Verified	12	177	712,848		100%					100%
	12 Building Commissioning	Verified	3		1.12,0.0	-	.0070					10070
	13 New Construction	Verified	12					100%				100%
	14 Energy Audit	Verified	12	41	201,410			100%				100%
	Cmall Commercial Demand Decreases	Verilled	12	71	201,410			10070				10070
	(switch/pstat)*	Verified										
	Small Commercial Domand Posponso					_						
'	(IHD)	Verified										
	17 Demand Response 3	Verified		106	1,548			100%				100%
	Adjustments to 2012 results (if any)	True-up	12	113	469,005		8%	92%				10070
	Industrial Program	тио ир		110	100,000		070	0270				
_		\/ - =:f: - =l	12									
	18 Process & System Upgrades	Verified										
	Monitoring & Targeting	Verified	12			_						
2 2	20 Energy Manager	Verified	12									
<u>∽</u> .	21 Retrofit	Verified	12									
` 2	22 Demand Response 3	Verified		65	1,578			100%				100%
	Adjustments to 2012 results (if any)	True-up	12									
	Home Assistance Program											
2	23 Home Assistance Program	Verified	12	5	54,743	100%						100%
	Adjustments to 2012 results (if any)	True-up	12	5	53,613	100%						
	Pre-2011 Programs completed in 2011			-1	1							
	24 Electricity Retrofit Incentive Program	Verified	12									
	25 High Performance New Construction	Verified	12	136	643,518			100%				100%
	26 Toronto Comprehensive	Verified	12									
1	27 Multifamily Energy Efficiency Rebates	Verified	12									
1	28 LDC Custom Programs	Verified	12									
	Adjustments to 2012 results (if any)	True-up	12									
	Other											
- 2	29 Program Enabled Savings	Verified	12					100%				100%
;	30 Time-of-Use Savings	Verified	12									
	Adjustments to 2012 results (if any)	True-up	12	172				100%				
	Total kWh	•				774,912	1,081,103					1,856,016
	Total kWh (excludes DR)					774,912	1,081,103					
	Total GS > 50 kW							13,896				13,896
	Total GS > 50 kW (excludes Building Com	missioning)						13,896				,
			-	1	•	1	•					
	Distribution Rate in 2012					\$0.0157	\$0.0134	\$4.1726	\$0.0132	\$10.8059	\$3.4291	
	Lost Revenue in 2012 from 2011 programs					\$18,761	\$18,043	\$39,460				\$76,264
	Lost Revenue in 2012 from 2012 programs					\$12,166	\$14,487	\$57,983				\$84,636
	Total Lost Revenue in 2012					\$30,927	\$32,530	\$97,443				\$160,900
	2012 Savings Persisting in 2013					774,912	1,077,034	13,737				, ,
	2012 Savings Persisting in 2014					774,912	1,058,344	13,618				
	2012 Savings Persisting in 2015					774,372	755,053	10,978				
<u> </u>						,0.0	. 55,000	. 0,010				

Table 9. 2013 Lost Revenues Work Form

Months of Pea	et Incremental Peak Demand Savings (kW) Net Incremental Energy Savings (kWh)	Rate Allocation for LRAMVA
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	mmanve	посино опше	- Demand			1			I la mantana d	Copton	1001 20, 2010	
			Savings	2013 kW Saved	2013 kWh Saved	Residential	GS < 50 kW	GS 50 to	Unmetered Scattered	Sentinel	Street	Total
				2013 KW Saveu	2013 KWII Saveu	Residential	G3 < 30 KW	4,999 kW	Load	Lighting	Lighting	Total
	Consumer Program		ı	I	·	1	l l		Lodu			
1	Appliance Retirement	Verified	12	11	67,743	100%						100%
	Appliance Exchange	Verified	12	8	14,778	100%						100%
	HVAC Incentives	Verified	12	150	253,570	90%	10%					100%
	Conservation Instant Coupon Booklet	Verified	12	5	76,648	100%	1070					100%
5	Bi-Annual Retailer Event	Verified	12	12	170,846	100%						100%
6	Retailer Co-op	Verified	12	12	170,010	100%						100%
	Residential Demand Response					10070						10070
7	(switch/pstat)	Verified		175	208	100%						100%
8	Residential Demand Response (IHD)	Verified				100%						100%
9	Residential New Construction	Verified	12			100%						100%
	Adjustments to 2013 results (if any)	True-up	12	9	24,301	94%	6%					
	Business Program	'		li .	,							
10	Retrofit	Verified	12	520	2,142,104	7%	36%	71%				113%
11	Direct Install Lighting	Verified	12	176	620,149		100%					100%
12	Building Commissioning	Verified	3									
13	New Construction	Verified	12									
14	Energy Audit	Verified	12	9	48,451			100%				100%
15	Small Commercial Demand Response	\		2	_							
15	(switch/pstat)*	Verified		3	5		100%					100%
16	Small Commercial Domand Posnense	Verified										
10	(IHD)	verilled										
17	Demand Response 3	Verified		95	1,500			100%				100%
	Adjustments to 2013 results (if any)	True-up	12	56	239,015	7%	36%	71%				
	Industrial Program											
	Process & System Upgrades	Verified	12									
	Monitoring & Targeting	Verified	12									
	Energy Manager	Verified	12					100%				100%
1 1	Retrofit	Verified	12									
22	Demand Response 3	Verified		472	10,747			100%				100%
	Adjustments to 2013 results (if any)	True-up	12	0	10,468			100%				
	Home Assistance Program			T		_						
23	Home Assistance Program	Verified	12	15	181,895	100%						100%
	Adjustments to 2013 results (if any)	True-up	12	2	26,110	100%						
	Pre-2011 Programs completed in 2011			T								
	Electricity Retrofit Incentive Program	Verified	12			-						
	High Performance New Construction	Verified	12									
	Toronto Comprehensive	Verified	12			4						
	Multifamily Energy Efficiency Rebates	Verified	12			4						
28	LDC Custom Programs	Verified	12			-						
	Adjustments to 2013 results (if any)	True-up	12									
	Other	Man't' - 1	40	4	00.440			4000/				40001
	Program Enabled Savings	Verified	12	4	93,443			100%				100%
30	Time-of-Use Savings	Verified	12									
	Adjustments to 2013 results (if any) Total kWh	True-up	12			0.40.005	4 400 470					0.444.440
						948,935	1,492,478					2,441,413
-	Total kWh (excludes DR) Total GS > 50 kW					948,727	1,492,473	5,073				5,073
	Total GS > 50 kW (excludes Building Co	mmissionina)						5,073				3,073
	Total GO > 00 KH (excludes building of	iii33i0/iiiig <i>j</i>	1			1		3,073			1	
	Distribution Rate in 2013					\$0.0158	\$0.0135	\$4.1691	\$0.0133	\$14.3840	\$4.1375	
	Lost Revenue in 2013 from 2011 programs	.				\$18,880	\$17,092	\$39,427	ψ0.0100	ψ11.00-10	ψ1.10/0	\$75,399
	Lost Revenue in 2013 from 2012 programs					\$12,244	\$14,540	\$57,272				\$84,056
	Lost Revenue in 2013 from 2013 programs					\$14,993	\$20,148	\$21,148				\$56,290
I	2010 p.ogramo					ψ. 1,000	Ψ=0,110	Ψ=.,ο				\$55, 2 55

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 Total Lost Revenue in 2013
 \$46,117
 \$51,780
 \$117,847

 2013 Savings Persisting in 2014
 947,743
 1,491,932
 5,068

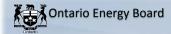
 2013 Savings Persisting in 2015
 934,328
 1,456,503
 5,065

Table 10. 2014 Lost Revenues Work Form

		D	Months of	Net Incremental Peak Demand Savings (kW)	Net Incremental Energy Savings (kWh)			Rate A	llocation for L	RAMVA		
#	Initiative	Results Status	Demand Savings	2014 kW Saved	2014 kWh Saved	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total
	Consumer Program					•						
1	Appliance Retirement	Verified	12	11	69,447	100%						100%
2	Appliance Exchange	Verified	12	8	13,669	100%						100%
3	HVAC Incentives	Verified	12	190	348,841	90%	10%					100%
4	Conservation Instant Coupon Booklet	Verified	12	22	298,637	100%						100%
5	Bi-Annual Retailer Event	Verified	12	80	1,222,212	100%						100%
6	Retailer Co-op	Verified	12			100%						100%
7	Residential Demand Response	Verified		175								
'	(switch/pstat)	verilled		175		100%						100%
8	Residential Demand Response (IHD)	Verified				100%						100%
9	Residential New Construction	Verified	12	47	597,321	100%						100%
	Adjustments to 2014 results (if any)	True-up	12									
	Business Program											
10	Retrofit	Verified	12	633	3,666,562	8%	23%	74%				105%
11	Direct Install Lighting	Verified	12	123	450,821		100%					100%
	Building Commissioning	Verified	3									
13	New Construction	Verified	12	33	147,659			100%				100%
	Energy Audit	Verified	12	94	456,915			100%				100%
13	Small Commercial Demand Response (switch/pstat)*	Verified		3			100%					100%
16	Small Commercial Demand Response (IHD)	Verified										
17	Demand Response 3	Verified		92				100%				100%
	Adjustments to 2014 results (if any)	True-up	12									
	Industrial Program											
18	Process & System Upgrades	Verified	12	160	1,424,930			100%				100%
	Monitoring & Targeting	Verified	12									
	Energy Manager	Verified	12		17,076			100%				100%
	Retrofit	Verified	12									
	Demand Response 3	Verified		444				100%				100%
	Adjustments to 2014 results (if any)	True-up	12									
	Home Assistance Program											
	Home Assistance Program	Verified	12	12	113,778	100%						100%
	Adjustments to 2014 results (if any)	True-up	12									
	Pre-2011 Programs completed in 2011											
	Electricity Retrofit Incentive Program	Verified	12									
	High Performance New Construction	Verified	12									
	Toronto Comprehensive	Verified	12									
	Multifamily Energy Efficiency Rebates	Verified	12									
	LDC Custom Programs	Verified	12									
	Adjustments to 2014 results (if any)	True-up	12									
	Other											
	Program Enabled Savings	Verified	12					100%				100%
30	Time-of-Use Savings	Verified	12	638								

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Adjustments to 2014 results (if any) True-up	12					Pag	ge 153 of 194	ļ
Total kWh		2,907,365	1,323,861					4,231,226
Total kWh (excludes DR)		2,907,365	1,323,861					
Total GS > 50 kW				9,099				9,099
Total GS > 50 kW (excludes Building Commissioning)				9,099				
Distribution Rate in 2014		\$0.0159	\$0.0136	\$4.2045	\$0.0135	\$15.6290	\$4.4074	
Lost Revenue in 2014 from 2011 programs		\$18,944	\$12,624	\$39,762				\$71,329
Lost Revenue in 2014 from 2012 programs		\$12,321	\$14,393	\$57,256				\$83,970
Lost Revenue in 2014 from 2013 programs		\$15,069	\$20,290	\$21,310				\$56,670
Lost Revenue in 2014 from 2014 programs		\$46,227	\$18,005	\$38,256				\$102,487
Total Lost Revenue in 2014		\$92,561	\$65,312	\$156,584				\$314,457
2014 Savings Persisting in 2015		2,906,111	1,271,510	9,059				



LRAMVA Work Form: 2015 Lost Revenues Work Form

2015 Lost Revenues Work Form

Instruction

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 application.

Lost revenues for the period prior to rebasing should be included within the LDCs load forecast on a go forward basis, negating the need for perpetual LRAMVA claims related to persisting savings from historic programs.

LDC to adjust the rate allocations by class (columns h to n). Please insert IESO verified savings for applicable programs (columns f to g).

Adjustments will apply to the year that LRAM is claimed.

This workbook contains links from Tab 3 (Distribution Rates) and Tab 6 (Persistence Rates).

Legend

User Inputs (Green)

Table11-a. 2015 LRAM Work Form

Table11-a. 2015 LRAM Work Form															
	Results	Months of	Net Incremental Energy Savings (kWh)	Net Incremental Peak Demand Savings (kW)				Rate All	ocation for	LRAMVA					
# Initiative	Status	Demand Savings	2015 kWh saved	2015 kW saved	Residentia I	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	"Unused - - hide	"Unused - - hide	Total		
2011-2014+2015 Extension Legacy Framework Pr	rograms			,								''			
Residential Program															
1 Coupon Initiative	Verified	12	36	550,195	100%								100%		
2 Bi-Annual Retailer Event Initiative	Verified	12	62	917,664	100%								100%		
3 Appliance Retirement Initiative	Verified	12	3	15,994	100%								100%		
4 Appliance Exchange Initiative	Verified	12			100%								100%		
5 HVAC Incentives Initaitive	Verified	12	207	390,215	100%								100%		
 Residential New Construction and Major Renovation Initiative 	Verified	12	45	174,410	100%								100%		
Adjustments to 2015 results (if any)	True-up	12													
Commercial & Institutional Program															
7 Energy Audit Initiative	Verified	12	289	1,355,782		74%	26%	,					100%		
8 Efficiency: Equipment Replacement Incentive Initiative	Verified	12	1,089	10,499,202	1%	17%	74%	•					91%		
9 Direct Install Lighting and Water Heating Initiative	Verified	12	31	129,670	21%	79%							100%		
10 New Construction and Major Renovation Initiative	Verified	12	23	55,745	22%	44%	55%	•					120%		
11 Existing Building Commissioning Incentive Initiative	Verified	3													
Adjustments to 2015 results (if any)	True-up	12													
Industrial Program															
12 Process and Systems Upgrades Initiatives - Project Incentive Initiative	Verified	12													
13 Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Verified	12													

14 Process and Systems Upgrades Initiatives - Energy Manager Initiative	Verified	12	12	59,889		100%	100%
Adjustments to 2015 results (if any)	True-up	12					
Low Income Program	·				1		
15 Low Income Initiative	Verified	12	9	96,218	100%		100%
Adjustments to 2015 results (if any)	True-up	12	3	50,210	10070		1007
Pilots	·			"			
16 Loblaws Pilot	Verified	12					
17 Social Benchmarking Pliot	Verified	12					
18 Conservation Fund Pilot - SEG	Verified	12					
19 Conservation Fund Pilot - EnerNOC	Verified	12					
Adjustments to 2015 results (if any)	True-up	12					
2015-2020 Conservation First Framework Program	ms						
Residential Province-Wide Programs							
21 Save on Energy Coupon Program	Verified	12			100%		100%
22 Save on Energy Heating and Cooling Program	Verified	12			100%		100%
23 Save on Energy New Construction Program	Verified	12			100%		100%
24 Save on Energy Home Assistance Program	Verified	12 12			100%		100%
Adjustments to 2015 results (if any)	True-up	12					
Non-Residential Province-Wide Programs							
25 Save on Energy Audit Funding Program	Verified	12			100%		100%
26 Save on Energy Retrofit Program	Verified	12			100%		100%
27 Save on Energy Small Business Lighting Program	Verified	12			100%		100%
28 Save on Energy High Performance New		12			100%		100%
Construction Program	Verified	12			100%		100%
29 Save on Energy Existing Building Commissioning Program	Verified	3			100%		100%
30 Save on Energy Process & Systems Upgrades Program	Verified	12			100%		100%
31 Save on Energy Monitoring & Targeting Program	Verified	12			100%		100%
32 Save on Energy Energy Manager Program	Verified	12			100%		100%
Adjustments to 2015 results (if any)	True-up	12					
Local & Regional Programs							
33 Business Refrigeration Local Program	Verified	12			100%		100%
34 First Nation Conservation Local Program	Verified	12			100%		100%
35 Social Benchmarking Local Program	Verified	12			100%		100%
Adjustments to 2015 results (if any)	True-up	12					
Pilot Programs							
36 Enersource Hydro Mississauga Inc Performance- Based Conservation Pilot Program - Conservation	Verified	12			100%		100%
Fund		40			-		4000
37 EnWin Utilities Ltd Building Optimization Pilot	Verified	12			100%		100%
38 EnWin Utilities Ltd Re-Invest Pilot	Verified	12			100%		100%
39 Horizon Utilities Corporation - ECM Furnace	Verified	12			100%		100%
Motor Pilot 40 Horizon Utilities Corporation - Social	Verified	12			100%		100%
Benchmarking Pilot 41 Hydro Ottawa Limited - Conservation Voltage	Verified	12			100%		100%
Regulation (CVR) Leveraging AMI Data Pilot 42 Hydro Ottawa Limited - Residential Demand	Verified	12			100%		100%
Response Wi-Fi Thermostat Pilot							
43 Kitchener-Wilmot Hydro Inc Pilot - DCKV	Verified	12			100%		100%

44 Niagara-on-the-Lake Hydro Inc Direct Install Energy Efficiency Measures for the Agricultural Sector	Verified	12		100%						100%
45 Oakville Hydro Electricity Distribution Inc Direct Install - Hydronic	Verified	12		100%						100%
46 Oakville Hydro Electricity Distribution Inc Direct Install - RTU Controls	Verified	12		100%						100%
47 Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)	Verified	12		100%						100%
48 Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)	Verified	12		100%						100%
49 Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)	Verified	12		100%						100%
Adjustments to 2015 results (if any)	True-up	12								
Total kWh				2,269,993	2,886,328					5,156,320
Total GS > 50 kW						10,843				10,843
Total GS > 50 kW (excludes Building Commission	ning)					10,843				
Distribution Rate in 2015 Lost Revenue in 2015 from 2011 programs Lost Revenue in 2015 from 2012 programs Lost Revenue in 2015 from 2013 programs			Embedded in forecast	\$0.0175	\$0.0138	\$3.7209	\$0.0136	\$18.8528	\$4.5821	
Lost Revenue in 2015 from 2014 programs				\$50,857	\$17,547	\$33,706				\$102,110
Lost Revenue in 2015 from 2015 programs				\$39,725	\$39,831	\$40,346				\$119,902
Total Lost Revenue in 2015				\$90,582	\$57,378	\$74,052				\$222,012

Note: Lost revenue from 2011-2013 CDM programs was excluded, as the 2011-2013 CDM impact would have been embedded in the load forecast base numbers in the 2015 COS load forecast.



LRAMVA Work Form: Persistence Rates

Persistence Rates

Instruction

To apply persistence factors to previous year's savings, this can be determined by taking the ratio of verified savings to the savings that occurred in the first year the program began. Please update the summary tables (highlighted blue boxes) with the verified results provided by the IESO. For 2011-2014 programs, these tables refer to Tables 4 and 5 (Summary Achievement Against CDM Targets). The verified results include adjustments. In the event that an LDC uses initiative level persistence, the LDC must provide these calculations in a new table below those provided there.

The persistence factors will autopopulate on the LRAM forms.

This form may need to be updated with IESO data on persistence of 2011-2014 programs into 2015-2020 term.

Legend

User Inputs (Green) Auto Populated Cells (White)

Note:

Initiative level persistence was used. See below. Tables 12 and 13 not used.

Table 16. Persistence by Program from the IESO for 2011 Programs

		1 Program Adjustments

Table 16. Persistence by Pro	gram nom u	ie ieso ioi	zuii riogi	anis							Table 20. Persistence by Pr	ogram mon	i tile iLSO	101 2011 110	ogram Auj	usancino	•				
	Incremental Peak Demand Savings (kW) Incremental Energy Savings (kWh)											Incre	mental Peak	Demand Sav	vings (kW)			Incremental	Energy Savi	ngs (kWh)	
Initiative											Initiative										
	2212	2013		2015	2016		2013		2015	2242		2212	2212		2215	2212	2212	2212		2215	
Consumer Program	2012	2013	2014	2015	2016	2012	2013	2014	2015	2016	Consumer Program	2012	2013	2014	2015	2016	2012	2013	2014	2015	2016
Appliance Retirement	30	30	30	18		214.685	214,685	213,977	140,429		Appliance Retirement										
Appliance Exchange	4	4	1	10		4,714	4,714	1,891	140,423		Appliance Exchange										
HVAC Incentives	282	282	282	282	282	504.642	504.642	504.642	504.642	504.642	HVAC Incentives	-47	-47	-47	-47	-47	-85.312	-85.312	-85.312	-85.312	-85,312
Conservation Instant Coupon	202	202	202	202	202	304,042	304,042	304,042	304,042	304,042	Conservation Instant Coupon						00,012	00,012	00,012	00,012	00,012
Booklet	15	15	15	14	13	272,325	272,325	272,325	248,788	223,075	Booklet	0	0	Ö	0	0	2,741	2,741	2,741	2,741	2,505
Bi-Annual Retailer Event	17	17	17	16	14	292,245	292,245	292,245	267,090	239,610	Bi-Annual Retailer Event	1	1	1	1	1	21,713	21.713	21,713	21,713	19.73
Retailer Co-op											Retailer Co-Op								,		
Residential Demand											Residential Demand										
Response											Response (switch/pstat)										
Residential New Construction											Residential New Construction										
Consumer Program Total	349	349	345	331	310	1,288,610	1,288,610	1,285,078	1,160,948	967,326	Consumer Program Total	-46	-46	-46	-46	-46	-60,858	-60,858	-60,858	-60,858	-63,077
Business Program											Business Program										
Retrofit	168	168	168	168	168	927,120	927,120	927,120	927,120	927,120	Retrofit	4	4	4	4	4	30.127	30.127	30.127	30.127	30.127
Direct Install Lighting	333	308	197	197	197	903,623	826,410	517,708	517,160	516,890	Direct Install Lighting	32	31	22	22	22	91,276	88,078	58,951	58,951	58,951
Building Commissioning	555	300	131	107	101	300,020	020,410	317,700	317,100	310,030	Building Commissioning	- 02	- 01				31,270	00,070	30,331	30,331	50,50
New Construction											New Construction										
Energy Audit											Energy Audit	5	5	5	5		26.398	26,398	26.398	25,176	
Small Commercial Demand											Small Commercial Demand						20,000	20,000	20,000	20,170	
Response											Response										
Demand Response 3											Demand Response 3										
Business Program Total	501	476	365	365	365	1,830,743	1,753,530	1,444,828	1,444,280	1,444,010	Business Program Total	41	40	31	31	26	147,801	144,603	115,475	114,253	89,077
Industrial Program											Industrial Program										
Process & System Upgrades											Process & System Upgrades										
Monitoring & Targeting											Monitoring & Targeting										
Energy Manager											Energy Manager										
Retrofit	2	2	2	2	2	13,815	13,815	13,815	13,815	13,815	Retrofit										
Demand Response 3	_	_	_	_	_		,			,	Demand Response 3										
Industrial Program Total	2	2	2	2	2	13,815	13,815	13,815	13,815	13,815	Industrial Program Total										
Home Assistance Program											Home Assistance Program										
Home Assistance Program	0	0	0	0		9.137	9.137	9.137	9.137	9,137	Home Assistance Program										
Home Assistance Program	U	U	U	U	U	9,137	9,137	9,137	9,137	9,13/	Home Assistance Program										
Total	0	0	0	0	0	9,137	9,137	9,137	9,137	9,137	Total										
	·					,,	,,	3,1.41	,,	.,											
Pre-2011 Programs completed in	n 2011										Pre-2011 Programs completed	in 2011									
Electricity Retrofit Incentive											Electricity Retrofit Incentive										
Program	264	264	264	264	264	1,480,972	1,480,972	1,480,972	1,480,972	1,480,972	Program										
High Performance New		77	77	77	77	395,844	395,844			395,844	High Performance New									-255,067	-255,067
Construction	77							395,844	395,844		Construction	-1	-1	-1	-1	-1	-255,067	-255,067	-255,067		

Toronto Comprehensive										
Multifamily Energy Efficiency										
Rebates										
LDC Custom Programs										
Pre-2011 Programs										
completed in 2011 Total	341	341	341	341	341	1,876,816	1,876,816	1,876,816	1,876,816	1,876,816
Program Enabled Savings										
Totals	1,193	1,168	1,053	1,039	1,018	5,019,121	4,941,908	4,629,675	4,504,997	4,311,105

Toronto Comprehensive										
Multifamily Energy Efficiency										
Rebates										
LDC Custom Programs										
Pre-2011 Programs										
completed in 2011	-1	-1	-1	-1	-1	-255,067	-255,067	-255,067	-255,067	-255,067
Program Enabled Savings	329	329	329	329	329	2,310,596	2,310,596	2,310,596	2,310,596	2,310,596
Total Other	329	329	329	329	329	2,310,596	2,310,596	2,310,596	2,310,596	2,310,596
Totals	323	322	313	313	307	2,142,472	2,139,275	2,110,147	2,108,925	2,081,530

Table 17. Persistence by Program from the IESO for 2012 Programs

Initiative	Increm	nental Peak	Demand Sa	vings (kW)		Increme	ntal Energy Sa	vings (kWh)	
ii iiliauve	2012	2013	2014	2015	2016	2012 20	13 2014	2015	201
Consumer Program	2012	2013	2014	2013	2010	2012 20	13 2014	2013	201
Appliance Retirement		20	20	19	10	135,81	4 135,814	135,302	79,58
Appliance Exchange		8	8	8		14,73		14,718	-,,-,
HVAC Incentives		151	151	151	151	253,36		253,365	253,36
Conservation Instant Coupon									
Booklet		2	2	2	2	13,90	13,904	13,904	13,69
Bi-Annual Retailer Event		15	15	15	13	266,33	32 266,332	266,332	239,41
Retailer Co-Op									
Residential Demand									
Response (switch/pstat)									
Residential Demand									
Response (IHD)									
Residential New Construction									
Consumer Program Total		196	196	195	177	684,1	52 684,152	683,621	586,06
Business Program									
Retrofit		753	742	502	501	3,439,82	21 3,404,263	2,623,515	2,616,70
Direct Install Lighting		177	174	119	119	712,84		462,275	462,27
Building Commissioning									
New Construction									
Energy Audit		41	41	41		201,4	0 201,410	201,410	
Small Commercial Demand Response (switch/pstat)									
Small Commercial Demand Response (IHD)									
Demand Response 3									
Business Program Total		972	957	663	620	4,354,0	80 4,302,941	3,287,199	3,078,97
Industrial Program									
Process & System Upgrades									
Monitoring & Targeting									
Energy Manager									
Retrofit									
Demand Response 3									
Industrial Program Total									
Home Assistance Program									
Home Assistance Program		5	5	5	5	54,74	13 54,743	53,731	53,52
Home Assistance Program						01,7	0 1,7 10	00,701	00,02
Total		5	5	5	5	54,7	43 54,743	53,731	53,52
Pro-2011 Programs completed in 20	11								
Pre-2011 Programs completed in 20	11								
Electricity Retrofit Incentive	11								
Electricity Retrofit Incentive Program	11								
Electricity Retrofit Incentive Program High Performance New	11	136	136	136	136	643.5	IR 643.51R	643 518	643 51
Electricity Retrofit Incentive Program High Performance New Construction	11	136	136	136	136	643,5	8 643,518	643,518	643,51
Electricity Retrofit Incentive Program High Performance New Construction Toronto Comprehensive	11	136	136	136	136	643,5	8 643,518	643,518	643,51
Electricity Retrofit Incentive Program High Performance New Construction Toronto Comprehensive Multifamily Energy Efficiency	11	136	136	136	136	643,5	8 643,518	643,518	643,51
Electricity Retrofit Incentive Program High Performance New Construction Toronto Comprehensive Multifamily Energy Efficiency Rebates	11	136	136	136	136	643,5	8 643,518	643,518	643,51
Electricity Retrofit Incentive Program High Performance New Construction Toronto Comprehensive Multifamily Energy Efficiency Rebates LDC Custom Programs	11	136	136	136	136	643,5	18 643,518	643,518	643,51
Electricity Retrofit Incentive Program High Performance New Construction Toronto Comprehensive Multifamily Energy Efficiency Rebates	11	136	136	136	136	643,5 ⁻		643,518 643,518	643,51 643,5
Electricity Retrofit Incentive Program igh Performance New Construction Toronto Comprehensive Multifamily Energy Efficiency Rebates DC Custom Programs Pre-2011 Programs	11								

Table 21. Persistence by Program from the IESO for 2012 Program Adjustments

Initiative	Incremental Peak Demand Savings (kW)					Increment	al Energy Sav	ings (kWh)	Incremental Energy Savings (kWh)				
minative	2012	2013	2014	2015	2016	2012 2013	2014	2015	2016				
Consumer Program	LUIL	2010	2017	2010	2010	2012 2010	2014	2010	2010				
Appliance Retirement													
Appliance Exchange													
HVAC Incentives		4	4	4	4	8,601	8,601	8,601	8,601				
Conservation Instant Coupon						,		-					
Booklet													
Bi-Annual Retailer Event													
Retailer Co-Op													
Residential Demand													
Response (switch/pstat)													
Residential Demand													
Response (IHD)													
Residential New Construction													
Consumer Program Total		4	4	4	4	8,601	8,601	8,601	8,601				
Business Program													
Retrofit		104	104	104	38	423,970	423,970	423,970	423,970				
Direct Install Lighting													
Building Commissioning													
New Construction		2	2	2	2	12,172	12,172	12,172	12,172				
Energy Audit		7	7	7		32,009	32,009	32,009					
Small Commercial Demand													
Response (switch/pstat)													
Small Commercial Demand													
Response (IHD)													
Demand Response 3									_				
Business Program Total		113	113	113	40	468,151	468,151	468,151	436,143				
						•							
Industrial Program									_				
Industrial Program Process & System Upgrades													
Process & System Upgrades													
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit													
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3													
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit													
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3 Industrial Program Total													
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3													
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3 Industrial Program Total Home Assistance Program Home Assistance Program		5	5	5	5	53,613	53,613	52,622	52,416				
Process & System Upgrades Monitoring & Targeting Energy Manager Retroft Demand Response 3 Industrial Program Total Home Assistance Program Home Assistance Program Home Assistance Program						53,613	53,613	52,622	52,416				
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3 Industrial Program Total Home Assistance Program Home Assistance Program		5 5	5	5 5	5 5	53,613 53,613		52,622 52,622	52,416 52,416				
Process & System Upgrades Monitoring & Targeting Energy Manager Retroft Demand Response 3 Industrial Program Total Home Assistance Program Home Assistance Program Total													
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3 Industrial Program Total Home Assistance Program Home Assistance Program Total Pre-2011 Programs completed in:	2011												
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3 Industrial Program Total Home Assistance Program Home Assistance Program Total Pre-2011 Programs completed in: Electricity Retrofit Incentive	2011												
Process & System Upgrades Monitoring & Targeting Energy Manager Retroft Demand Response 3 Industrial Program Total Home Assistance Program Home Assistance Program Total Pre-2011 Programs completed in: Electricity Retroft Incentive Program	2011												
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3 Industrial Program Total Home Assistance Program Home Assistance Program Total Pre-2011 Programs completed in: Electricity Retrofit Incentive Program High Performance New	2011												
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3 Industrial Program Total Home Assistance Program Home Assistance Program Total Pre-2011 Programs completed in: Electricity Retrofit Incentive Program High Performance New Construction	2011												
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3 Industrial Program Total Home Assistance Program Home Assistance Program Total Pre-2011 Programs completed in: Electricity Retrofit Incentive Program High Performance New Construction Toronto Comprehensive	2011												
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3 Industrial Program Total Home Assistance Program Home Assistance Program Total Pre-2011 Programs completed in: Electricity Retrofit Incentive Program High Performance New Construction Toronto Comprehensive Multifamily Energy Efficiency	2011												
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3 Industrial Program Total Home Assistance Program Home Assistance Program Total Pre-2011 Programs completed in: Electricity Retrofit Incentive Program High Performance New Construction Toronto Comprehensive Mulifamily Energy Efficiency Rebates	2011												
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3 Industrial Program Total Home Assistance Program Home Assistance Program Total Pre-2011 Programs completed in: Electricity Retrofit Incentive Program High Performance New Construction Toronto Comprehensive Multifamily Energy Efficiency Rebates LDC Custom Programs	2011												
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3 Industrial Program Total Home Assistance Program Home Assistance Program Total Pre-2011 Programs completed in: Electricity Retrofit Incentive Program High Performance New Construction Toronto Comprehensive Multifamily Energy Efficiency Rebates LDC Custom Programs	2011												
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3 Industrial Program Total Home Assistance Program Home Assistance Program Total Pre-2011 Programs completed in: Electricity Retrofit Incentive Program High Performance New Construction Toronto Comprehensive Multifamily Energy Efficiency Rebates LDC Custom Programs	2011												
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3 Industrial Program Total Home Assistance Program Home Assistance Program Total Pre-2011 Programs completed in: Electricity Retrofit Incentive Program High Performance New Construction Toronto Comprehensive Multifamily Energy Efficiency Rebates LDC Custom Programs Pre-2011 Programs	2011												
Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3 Industrial Program Total Home Assistance Program Home Assistance Program Total Pre-2011 Programs completed in: Electricity Retrofit Incentive Program Home Construction Toronto Comprehensive Multifamily Energy Efficiency Rebates LDC Custom Programs Pre-2011 Programs Pre-2011 Programs Completed in 2011	2011												

Time-of-Use Savings								
Other Total								
Notes:	1,309	1,295	999	938	5,736,493	5,685,354	4,668,070	4,362,077

Time-of-Use Savings								
Other Total	172	172	172	172	2,072,243	2,072,243	2,072,243	2,072,243
Totals	294	294	294	222	2,602,608	2,602,608	2,601,617	2,569,403

Table 18. Persistence by Program from the IESO for 2013 Programs

Response (IHD)

Initiative	Incre	mental Peak	Demand Sav	ings (kW)		lr	cremental	Energy Savi	ngs (kWh)	
lilitiative	2012	2013	2014	2015	2016	2012	2013	2014	2015	2016
Consumer Program										
Appliance Retirement			11	11	11			67,743	67,743	67,743
Appliance Exchange			8	8	8			14,778	14,778	14,778
HVAC Incentives			150	150	150			253,570	253,570	253,570
Conservation Instant Coupon										
Booklet			5	5	4			76,648	73,695	62,435
Bi-Annual Retailer Event			12	11	9			170,846	160,552	125,421
Retailer Co-Op										
Residential Demand										
Response (switch/pstat)										
Residential Demand										
Response (IHD)										
Residential New Construction										
Consumer Program Total			186	185	182			583.585	570.337	523,947

Business Program						
Retrofit	520	519	512	2,140,581	2,139,414	2,115,077
Direct Install Lighting	176	166	139	620,149	585,134	484,322
Building Commissioning						
New Construction						
Energy Audit	9	9	9	48,451	48,451	48,451
Small Commercial Demand						
Response (switch/pstat)						
Small Commercial Demand						

Demand Response 3						
Business Program Total	705	695	660	2,809,180	2,772,999	2,647,849
Industrial Program						
Process & System Upgrades						
Monitoring & Targeting						
Energy Manager						
Retrofit						
Demand Response 3						
Industrial Program Total						
Home Assistance Program						
Home Assistance Program	15	15	14	181,123	181,053	161,556
Home Assistance Program						

4	4	4	93,443	93,443	93,443
4	4	4	•		,
	4	4 4	4 4 4	4 4 4 93,443 4 4 4	4 4 4 93,443 93,443 4 4 4

Table 22. Persistence by Program from the IESO for 2013 Program Adjustments

			Table 22. Persistence by Pro	gram from the IESO f	or 2013 Prog	gram Adjı	ustments			
al Energy Sav 2014	vings (kWh) 2015	2016	Initiative	Incremental Peak I 2012 2013	Demand Savi	ngs (kW) 2015	2016	Incremental Energy Savi 2012 2013 2014	ngs (kWh) 2015	2016
			Consumer Program							
67,743	67,743	67,743	Appliance Retirement							
14,778	14,778	14,778	Appliance Exchange							
253,570	253,570	253,570	HVAC Incentives		8	8	8	14,415	14,415	14,415
70.040	70.005	00.405	Conservation Instant Coupon					20.4	005	
76,648	73,695	62,435	Booklet		0	0	0	234	225	191
170,846	160,552	125,421	Bi-Annual Retailer Event							
			Retailer Co-Op							
			Residential Demand							
			Response (switch/pstat) Residential Demand							
			Response (IHD)							
			(IIID)							
			Residential New Construction		1	11	1	9,652	9,652	9,652
583,585	570,337	523,947	Consumer Program Total		9	9	9	24,301	24,292	24,257
			Business Program							
2,140,581	2,139,414	2,115,077	Retrofit		56	56	56	238,983	238,983	238,983
620,149	585,134	484,322	Direct Install Lighting							
			Building Commissioning							
			New Construction							
48,451	48,451	48,451	Energy Audit		0	0	0	32	32	32
			Small Commercial Demand							
			Response (switch/pstat)							
			Small Commercial Demand							
			Response (IHD)							
	. ==		Demand Response 3					200 045	202 215	200 045
2,809,180	2,772,999	2,647,849	Business Program Total		56	56	56	239,015	239,015	239,015
			Process & System Upgrades Monitoring & Targeting Energy Manager Retrofit Demand Response 3		0	0		10,468	10,468	
			Industrial Program Total		0	0		10,468	10,468	
			Home Assistance Program							
404 400	404.050	404 550			2	2	2	20.000	05.000	
181,123	181,053	161,556	Home Assistance Program Home Assistance Program		2	2	2	26,000	25,990	23,191
181,123	181,053	161,556	Total		2	2	2	26,000	25,990	23,191
			Pre-2011 Programs completed i	n 2011						
		_		11 2011						
			Electricity Retrofit Incentive Program							
			High Performance New							
			Construction							
		_	Toronto Comprehensive							-
		_	Multifamily Energy Efficiency							
			Rebates							
			LDC Custom Programs							-
			Pre-2011 Programs							
			completed in 2011							
			Other							
93,443	93,443	93,443	Program Enabled Savings							
22,.10	,0	,	Time-of-Use Savings							
		-	Other Total							
		-	-							
3,620,609	3,571,111	3,380,074	Totals		67	67	67	299,783	299,764	286,463
	, , ,	11-			-					

Table 19. Persistence by Program from the IESO for 2014 Programs

Table 23	Persistence by	Program fro	om the IF.	SO for 2014	Program Ac	liustment

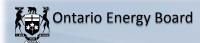
	2044 2045 2046 2040	2004	1111001110 2010 2010 2011 2015 2010 2010
2012 2013 Consumer Program	2014 2015 2016 2012 201	13 2014 2015 2016	2012 2013 2014 2015 2016 2012 2013 2014 2015 2016 Consumer Program
Appliance Retirement	11 11	69,387 69,387	Consumer Program Appliance Retirement
Appliance Exchange	8 8	13,669 13,669	Appliance Exchange
IVAC Incentives	190 190	348,841 348,841	HUAC Incentives
Conservation Instant Coupon			Conservation Instant Coupon
Booklet	22 21	298,637 287,129	Booklet
Bi-Annual Retailer Event	80 76	1,222,212 1,148,571	Bi-Annual Retailer Event
Retailer Co-Op			Retailer Co-Op
Residential Demand			Residential Demand
Response (switch/pstat)			Response (switch/pstat)
Residential Demand			Residential Demand
Response (IHD)			Response (IHD)
Residential New Construction	47 47	597,321 597,321	Residential New Construction
Consumer Program Total	358 353	2,550,067 2,464,918	Consumer Program Total
Business Program			Business Program
Retrofit	629 629	3,650,921 3,650,921	Retrofit
Direct Install Lighting	109 100	402,045 369,837	Direct Install Lighting
Building Commissioning			Building Commissioning
New Construction	33 33	147,659 147,659	New Construction
Energy Audit	94 94	456,915 456,915	Energy Audit
Small Commercial Demand			Small Commercial Demand
Response (switch/pstat)			Response (switch/pstat)
Small Commercial Demand			Small Commercial Demand
Response (IHD)			Response (IHD)
Demand Response 3			Demand Response 3
Business Program Total	864 855	4,657,540 4,625,332	Business Program Total
ndustrial Program			Industrial Program
Process & System Upgrades	160 160	1,424,930 1,424,930	Process & System Upgrades
Monitoring & Targeting			Monitoring & Targeting
Energy Manager		17,076 17,076	Energy Manager
Retrofit			Retrofit
Demand Response 3			Demand Response 3
ndustrial Program Total	160 160	1,442,006 1,442,006	Industrial Program Total
Home Assistance Program			Home Assistance Program
Home Assistance Program	12 12	113,772 107,640	Home Assistance Program
Home Assistance Program		_	Home Assistance Program
Total	12 12	113,772 107,640	Total
Pre-2011 Programs completed in 2011			Pre-2011 Programs completed in 2011
Electricity Retrofit Incentive			Electricity Retrofit Incentive
Program			Program
High Performance New			High Performance New
Construction			Construction
Foronto Comprehensive			Toronto Comprehensive
Multifamily Energy Efficiency			Multifamily Energy Efficiency
Rebates			Rebates
DC Custom Programs			LDC Custom Programs
Pre-2011 Programs completed in 2011 Total			Pre-2011 Programs completed in 2011
•			
Other Program Enabled Savings			Other Program Enabled Savings
Fime-of-Use Savings			Time-of-Use Savings
Other Total			THITE-UP-US CANTINGS Other Total
Totals	1,395 1,380	8,763,384 8,639,896	Totals

Table 24. Persistence by Rate Class

	Program year	Residential kWh	GS < 50 kW kWh	GS 50 to 4,999 kW kW	Unmetered Scattered Load kWh	Sentinel Lighting kW	Street Lighting kW	"Unused - hide kW	"Unused · hide
2011									
	in 2012	1,194,955	1,346,484	9,457					
	in 2013	1,194,955	1,266,074	9,457					
	in 2014	1,191,424	928,244	9,457					
	in 2015	1,067,294	927,696	9,454					
	in 2016	871,453	927,427	9,392					
2012			-						
	in 2013	774,912	1,077,034	13,737					
	in 2014	774,912	1.058.344	13,618					

	in 2015	772,378	755,053	10,978	
	in 2016	674,401	754,458	9,658	
2013					
	in 2014	947,743	1,491,932	5,068	
	in 2015	934,328	1,456,503	5,065	
	in 2016	863,975	1,347,049	4,997	
2014					
	in 2015	2,906,111	1,271,510	9,059	
	in 2016	2,814,829	1,239,302	9,059	

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LRAMVA Work Form: Carrying Charges (by Rate Class)

Carrying Charges by Rate Class

Instruction

Please update the carrying charges in Table 14. The interest amounts per year will autopopulate in the LRAMVA Summary Table in Tab 1.

LDC to adjust the rate allocations by class (columns h to n). Please insert IESO verified savings for applicable programs (columns f to g).

Please note that the carrying charges below pertain to the amount credited or debited to ratepayers based on how much was originally collected from the interest on the load forecast. As the amounts shown are running totals, please clear the yearly amounts once the LRAM claims are approved in order to cancel prior year interest collections.

Legend

User Inputs (Green)

Table 14: Prescribed Interest Rates

Table 15: Calculation of Carrying Costs by Rate Class

Quarter	Approved Deferral and 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%

Month	Interest for CDM year	Quarter	Monthly Rate	Residentia I	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	Total
Jan-11	2011	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-11	2011	Q1	0.12%	-\$1.70	\$0.99	\$0.44	\$0.00	\$0.00	\$0.00	-\$0.28
Mar-11	2011	Q1	0.12%	-\$3.40	\$1.98	\$0.87	\$0.00	\$0.00	\$0.00	-\$0.55
Apr-11	2011	Q2	0.12%	-\$5.11	\$2.97	\$1.31	\$0.00	\$0.00	\$0.00	-\$0.83
May-11	2011	Q2	0.12%	-\$6.81	\$3.96	\$1.75	\$0.00	\$0.00	\$0.00	-\$1.10
Jun-11	2011	Q2	0.12%	-\$8.51	\$4.95	\$2.18	\$0.00	\$0.00	\$0.00	-\$1.38
Jul-11	2011	Q3	0.12%	-\$10.21	\$5.94	\$2.62	\$0.00	\$0.00	\$0.00	-\$1.65
Aug-11	2011	Q3	0.12%	-\$11.92	\$6.93	\$3.06	\$0.00	\$0.00	\$0.00	-\$1.93
Sep-11	2011	Q3	0.12%	-\$13.62	\$7.92	\$3.50	\$0.00	\$0.00	\$0.00	-\$2.20
Oct-11	2011	Q4	0.12%	-\$15.32	\$8.91	\$3.93	\$0.00	\$0.00	\$0.00	-\$2.48
Nov-11	2011	Q4	0.12%	-\$17.02	\$9.90	\$4.37	\$0.00	\$0.00	\$0.00	-\$2.75
Dec-11	2011	Q4	0.12%	-\$18.73	\$10.89	\$4.81	\$0.00	\$0.00	\$0.00	-\$3.03
Total for fisca	l year 2011			-\$112.36	\$65.37	\$28.84	\$0.00	\$0.00	\$0.00	-\$18.16
Amount Cleare	d									
Opening Bala	nce for fiscal	year 2012		-\$112.36	\$65.37	\$28.84	\$0.00	\$0.00	\$0.00	-\$18.16
Jan-12	2011-2012	Q1	0.12%	-\$20.43	\$11.88	\$5.24	\$0.00	\$0.00	\$0.00	-\$3.30
Feb-12	2011-2012	Q1	0.12%	-\$20.95	\$14.38	\$11.61	\$0.00	\$0.00	\$0.00	\$5.04
Mar-12	2011-2012	Q1	0.12%	-\$21.46	\$16.87	\$17.98	\$0.00	\$0.00	\$0.00	\$13.39
Apr-12	2011-2012	Q2	0.12%	-\$21.98	\$19.36	\$24.35	\$0.00	\$0.00	\$0.00	\$21.73
May-12	2011-2012	Q2	0.12%	-\$22.50	\$21.85	\$30.72	\$0.00	\$0.00	\$0.00	\$30.07
Jun-12	2011-2012	Q2	0.12%	-\$23.01	\$24.34	\$37.09	\$0.00	\$0.00	\$0.00	\$38.42
Jul-12	2011-2012	Q3	0.12%	-\$23.53	\$26.84	\$43.45	\$0.00	\$0.00	\$0.00	\$46.76
Aug-12	2011-2012	Q3	0.12%	-\$24.05	\$29.33	\$49.82	\$0.00	\$0.00	\$0.00	\$55.11
Sep-12	2011-2012	Q3	0.12%	-\$24.56	\$31.82	\$56.19	\$0.00	\$0.00	\$0.00	\$63.45
Oct-12	2011-2012	Q4	0.12%	-\$25.08	\$34.31	\$62.56	\$0.00	\$0.00	\$0.00	\$71.79
Nov-12	2011-2012	Q4	0.12%	-\$25.59	\$36.80	\$68.93	\$0.00	\$0.00	\$0.00	\$80.14
Dec-12	2011-2012	Q4	0.12%	-\$26.11	\$39.30	\$75.30	\$0.00	\$0.00	\$0.00	\$88.48

2017 Q4	
2018 Q1	
2018 Q2	
2018 Q3	
2018 Q4	
2019 Q1	
2019 Q2	
2019 Q3	
2019 Q4	
2020 Q1	
2020 Q2	
2020 Q3	
2020 Q4	

Check OEB website

Amount Cleared Opening Balance for fiscal year 2013	Total for fisca	ıl year 2012			-\$391.61	\$372.45	\$512.07	\$0.00	\$0.00	\$0.00	\$492.91
Jan-13 2011-2013 O1 0.12% 4-\$26.63 \$41.79 \$81.66 \$0.00 \$0.00 \$0.00 \$50.00 \$10.74 Mar-13 2011-2013 O1 0.12% 4-\$24.61 \$90.12 \$0.00 \$0.00 \$0.00 \$10.74 Mar-13 2011-2013 O1 0.12% 4-\$24.61 \$90.69 \$90.57 \$0.00 \$0.00 \$0.00 \$110.74 Mar-13 2011-2013 O2 0.12% 4-\$22.60 \$55.14 \$107.03 \$0.00 \$0.00 \$0.00 \$110.74 Mar-13 2011-2013 O2 0.12% 4-\$22.58 \$95.99 \$115.48 \$0.00 \$0.00 \$0.00 \$136.57 May-13 2011-2013 O2 0.12% 4-\$22.58 \$95.99 \$115.48 \$0.00 \$0.00 \$0.00 \$136.24 Mar-13 2011-2013 O2 0.12% 4-\$22.58 \$95.99 \$115.48 \$0.00 \$0.00 \$0.00 \$152.64 Mar-13 2011-2013 O2 0.12% 4-\$20.56 \$68.49 \$122.99 \$0.00 \$0.00 \$0.00 \$156.40 Jul-13 2011-2013 O3 0.12% 4-\$20.56 \$68.49 \$122.99 \$0.00 \$0.00 \$0.00 \$166.40 Jul-13 2011-2013 O3 0.12% 4-\$20.56 \$72.94 \$19.80 \$140.85 \$0.00 \$0.00 \$0.00 \$150.00 \$160.24 Mar-13 2011-2013 O3 0.12% 4-\$10.56 \$72.94 \$140.85 \$0.00 \$0.00 \$0.00 \$100.00	Amount Cleare	ed									
Jan-13 2011-2013 O1 0.12% 4-\$26.63 \$41.79 \$81.66 \$0.00 \$0.00 \$0.00 \$50.00 \$10.74 Mar-13 2011-2013 O1 0.12% 4-\$24.61 \$90.12 \$0.00 \$0.00 \$0.00 \$10.74 Mar-13 2011-2013 O1 0.12% 4-\$24.61 \$90.69 \$90.57 \$0.00 \$0.00 \$0.00 \$110.74 Mar-13 2011-2013 O2 0.12% 4-\$22.60 \$55.14 \$107.03 \$0.00 \$0.00 \$0.00 \$110.74 Mar-13 2011-2013 O2 0.12% 4-\$22.58 \$95.99 \$115.48 \$0.00 \$0.00 \$0.00 \$136.57 May-13 2011-2013 O2 0.12% 4-\$22.58 \$95.99 \$115.48 \$0.00 \$0.00 \$0.00 \$136.24 Mar-13 2011-2013 O2 0.12% 4-\$22.58 \$95.99 \$115.48 \$0.00 \$0.00 \$0.00 \$152.64 Mar-13 2011-2013 O2 0.12% 4-\$20.56 \$68.49 \$122.99 \$0.00 \$0.00 \$0.00 \$156.40 Jul-13 2011-2013 O3 0.12% 4-\$20.56 \$68.49 \$122.99 \$0.00 \$0.00 \$0.00 \$166.40 Jul-13 2011-2013 O3 0.12% 4-\$20.56 \$72.94 \$19.80 \$140.85 \$0.00 \$0.00 \$0.00 \$150.00 \$160.24 Mar-13 2011-2013 O3 0.12% 4-\$10.56 \$72.94 \$140.85 \$0.00 \$0.00 \$0.00 \$100.00	Opening Bala	nce for fiscal	vear 2013		-\$391.61	\$372.45	\$512.07	\$0.00	\$0.00	\$0.00	\$492.91
Feb-13 2011-2013				0.12%							
Mar-13 2011-2013 O1											
Apr-13 2011-2013 Q2 0.12% -\$22.68 S55.14 S107.03 \$0.00 \$0.00 \$0.00 \$138.57 Apr-13 2011-2013 Q2 0.12% -\$22.58 S59.9 \$115.48 \$0.00 \$0.00 \$0.00 \$162.49 Jul-13 2011-2013 Q2 0.12% -\$25.05 \$58.40 \$122.394 \$0.00 \$0.00 \$0.00 \$160.40 Aug-13 2011-2013 Q3 0.12% -\$20.50 \$58.40 \$132.39 \$0.00 \$0.00 \$0.00 \$160.42 Aug-13 2011-2013 Q3 0.12% -\$19.55 \$72.94 \$140.85 \$0.00 \$0.00 \$0.00 \$190.32 Aug-13 2011-2013 Q3 0.12% -\$19.55 \$72.94 \$140.85 \$0.00 \$0.00 \$0.00 \$190.32 Aug-13 2011-2013 Q4 0.12% -\$315.51 \$77.40 \$149.30 \$0.00 \$0.00 \$0.00 \$208.15 Oct-13 2011-2013 Q4 0.12% -\$315.51 \$50.75 \$10.00 \$0.00 \$0.00 \$202.815 Dec-13 2011-2013 Q4 0.12% -\$315.51 \$50.75 \$174.66 \$0.00 \$0.00 \$0.00 \$224.99 Dec-13 2011-2013 Q4 0.12% -\$315.51 \$90.75 \$174.66 \$0.00 \$0.00 \$0.00 \$224.99 Dec-13 2011-2013 Q4 0.12% -\$315.51 \$90.75 \$174.66 \$0.00 \$0.00 \$0.00 \$2.67.73 Amount Cleared Opening Balance for fiscal year 2014 -\$44.43 \$1167.66 \$2.050.03 \$0.00 \$0.00 \$2.67.32 Jan-14 2011-2014 Q1 0.12% -\$314.50 \$95.20 \$180.12 \$195.50 Mar-14 2011-2014 Q1 0.12% -\$3.04 \$116.65 \$2.07.87 \$0.00 \$0.00 \$0.00 \$2287.75 Mar-14 2011-2014 Q1 0.12% -\$3.04 \$116.65 \$2.07.87 \$0.00 \$0.00 \$0.00 \$235.99 May-14 2011-2014 Q2 0.12% \$8.42 \$118.50 \$322.63 \$0.00 \$0.00 \$0.00 \$30.00 \$339.52 May-14 2011-2014 Q2 0.12% \$8.42 \$118.50 \$322.63 \$0.00 \$0.00 \$0.00 \$339.52 May-14 2011-2014 Q3 0.12% \$8.42 \$118.50 \$322.63 \$0.00 \$0.00 \$0.00 \$30.00 \$30.90 \$30											
May 13 2011-2013 Q2 0.12% -\$22.58 \$59.59 \$115.48 \$0.00 \$0.00 \$0.00 \$150.24 \$Jun-13 2011-2013 Q2 0.12% -\$20.56 \$68.64 \$123.39 \$0.00 \$0.00 \$0.00 \$160.40 \$Jul-13 2011-2013 Q3 0.12% -\$20.56 \$68.64 \$132.39 \$0.00 \$0.00 \$0.00 \$160.40 \$Jul-13 2011-2013 Q3 0.12% -\$19.55 \$72.49 \$140.85 \$0.00 \$0.00 \$0.00 \$100.22 \$Jen.24 \$Je											
Jun-13 2011-2013 Q2 0.12% -\$21.57 \$64.04 \$132.39 \$0.00 \$0.00 \$0.00 \$166.40 Jul-13 2011-2013 Q3 0.12% -\$20.56 \$68.49 \$132.39 \$30.00 \$0.00 \$0.00 \$100.02 \$180.32 Aug-13 2011-2013 Q3 0.12% -\$19.55 \$72.94 \$140.85 \$0.00 \$0.00 \$0.00 \$0.00 \$180.32 \$100.00 \$101.20 \$101.2013 Q4 0.12% -\$19.55 \$72.94 \$140.85 \$0.00 \$0.00 \$0.00 \$0.00 \$20.815 \$0.00 \$101.2013 Q4 0.12% -\$15.51 \$15.52 \$86.30 \$166.21 \$0.00 \$0.00 \$0.00 \$0.00 \$22.81 \$10.00 \$1.											
Jul-13 2011-2013 Q3 0.12% -\$20.56 \$88.49 \$132.39 \$0.00 \$0.00 \$0.00 \$180.22 Aug-13 2011-2013 Q3 0.12% -\$19.55 \$72.49 \$140.85 \$0.00 \$0.00 \$0.00 \$194.24 \$9.14 \$10.12 \$10.12 \$10.12 \$10.13 Q4 0.12% -\$18.54 \$77.40 \$149.30 \$0.00 \$0.00 \$0.00 \$20.81 \$194.24 \$10.12 \$10.12 \$10.12 \$10.13 Q4 0.12% -\$18.54 \$77.40 \$149.30 \$0.00 \$0.00 \$0.00 \$20.00 \$22.20 \$7.10 \$1.30 \$10.12 \$10.12 \$10.13 Q4 0.12% -\$18.54 \$77.40 \$149.30 \$0.00 \$0.00 \$0.00 \$20.00 \$22.20 \$7.10 \$1.30 \$10.12 \$10.12 \$10.13 Q4 0.12% -\$18.52 \$86.30 \$166.21 \$0.00 \$0.00 \$0.00 \$0.00 \$22.20 \$7.10 \$1.30 \$10.12 \$1											
Aug. 3											
Sep-13											
Oct-13											
Nov-13											
Dec-13											
Total for fiscal year 2013		1									
Amount Cleared Sept. Sep			Q4	0.12%							
Opening Balance for fiscal year 2014 -\$644.43 \$1,167.66 \$2,050.03 \$0.00 \$0.00 \$2,050.03 \$0.00 \$0.00 \$2,050.00 \$0.00 \$0.00 \$2,030.00 \$20.00 \$20.00 \$0.00 \$20.00 \$0.00 \$20.00 \$20.00 \$0.00 \$20.00 \$0.00 \$20.00 \$0.00 \$20.00 \$20.00 \$0.00 \$0.00 \$20.00 \$20.00 \$20.00 \$20.00 \$0.00 \$0.00 \$0.00 \$20.00 \$20.00 \$20.00 \$20.00 \$20.00 \$20.00 \$20.00 \$20.00 \$20.00 \$20.00 \$20.00 \$20.00 \$20.00 \$30.00 \$0.00 \$0.00 \$30.00 \$0.00 \$30.00 \$0.00 \$30.	Total for fisca	ıl year 2013			-\$644.43	\$1,167.66	\$2,050.03	\$0.00	\$0.00	\$0.00	\$2,573.26
Jan-14 2011-2014 Q1 0.12% 5-14.50 \$95.20 \$183.12 \$0.00 \$0.00 \$0.00 \$283.25	Amount Cleare	ed									
Jan-14 2011-2014 Q1 0.12% 5-14.50 \$95.20 \$183.12 \$0.00 \$0.00 \$0.00 \$283.25	Opening Bala	nce for fiscal	year 2014		-\$644.43	\$1,167.66	\$2,050.03	\$0.00	\$0.00	\$0.00	\$2,573.26
Feb-14 2011-2014				0.12%							
Mar-14											
Apr-14											
May-14 2011-2014 Q2 0.12% \$8.42 \$118.50 \$232.63 \$0.00 \$0.00 \$0.00 \$359.55						·					
Jun-14											
Jul-14 2011-2014 Q3											
Aug14 2011-2014 Q3 0.12% \$25.60 \$135.98 \$269.77 \$0.00 \$0.00 \$0.00 \$431.35											
Sep-14											
Oct-14 2011-2014 Q4 0.12% \$37.06 \$147.63 \$294.52 \$0.00 \$0.00 \$479.21											
Nov-14											
Dec-14 2011-2014 Q4											
Total for fiscal year 2014 -\$440.33 \$2,694.57 \$5,064.41 \$0.00 \$0.00 \$7,318.65											
Amount Cleared			Q4	0.12%							•
Opening Balance for fiscal year 2015 -\$440.33 \$2,694.57 \$5,064.41 \$0.00 \$0.00 \$7,318.65 Jan-15 2011-2015 Q1 0.12% \$54.24 \$165.11 \$331.66 \$0.00 \$0.00 \$0.00 \$551.01 Feb-15 2011-2015 Q1 0.12% \$58.12 \$166.08 \$329.60 \$0.00 \$0.00 \$555.90 Mar-15 2011-2015 Q1 0.12% \$62.00 \$167.06 \$327.54 \$0.00 \$0.00 \$50.00 \$556.59 Apr-15 2011-2015 Q2 0.09% \$49.29 \$125.73 \$243.55 \$0.00 \$0.00 \$0.00 \$418.58 May-15 2011-2015 Q2 0.09% \$55.09 \$127.19 \$240.47 \$0.00 \$0.00 \$0.00 \$420.67 Jun-15 2011-2015 Q2 0.09% \$55.99 \$127.92 \$238.93 \$0.00 \$0.00 \$424.64 Aug-15 2011-2015 Q3 0.09% \$63.79 \$127.92 \$238.93	Total for fisca	ıl year 2014			-\$440.33	\$2,694.57	\$5,064.41	\$0.00	\$0.00	\$0.00	\$7,318.65
Jan-15											
Feb-15	Opening Bala	nce for fiscal	year 2015		-\$440.33	\$2,694.57	\$5,064.41	\$0.00	\$0.00	\$0.00	\$7,318.65
Mar-15	Jan-15	2011-2015	Q1	0.12%	\$54.24	\$165.11	\$331.66	\$0.00	\$0.00	\$0.00	\$551.01
Apr-15 2011-2015 Q2 0.09% \$49.29 \$125.73 \$243.55 \$0.00 \$0.00 \$418.58 May-15 2011-2015 Q2 0.09% \$55.19 \$126.46 \$242.01 \$0.00 \$0.00 \$0.00 \$420.67 Jul-15 2011-2015 Q2 0.09% \$55.09 \$127.19 \$240.47 \$0.00 \$0.00 \$0.00 \$422.67 Jul-15 2011-2015 Q3 0.09% \$57.99 \$127.92 \$238.93 \$0.00 \$0.00 \$0.00 \$424.84 Aug-15 2011-2015 Q3 0.09% \$60.89 \$128.64 \$237.39 \$0.00 \$0.00 \$0.00 \$429.91 Oct-15 2011-2015 Q3 0.09% \$66.70 \$130.10 \$234.30 \$0.00 \$0.00 \$0.00 \$429.01 Nov-15 2011-2015 Q4 0.09% \$66.60 \$130.83 \$232.76 \$0.00 \$0.00 \$0.00 \$433.18 Dec-15 2011-2015 Q4 0.09% <td>Feb-15</td> <td>2011-2015</td> <td>Q1</td> <td>0.12%</td> <td>\$58.12</td> <td>\$166.08</td> <td>\$329.60</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$0.00</td> <td>\$553.80</td>	Feb-15	2011-2015	Q1	0.12%	\$58.12	\$166.08	\$329.60	\$0.00	\$0.00	\$0.00	\$553.80
May-15 2011-2015 Q2 0.09% \$52.19 \$126.46 \$242.01 \$0.00 \$0.00 \$0.00 \$420.67	Mar-15	2011-2015	Q1	0.12%	\$62.00	\$167.06	\$327.54	\$0.00	\$0.00	\$0.00	\$556.59
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Jul-15	May-15	2011-2015	Q2	0.09%	\$52.19	\$126.46	\$242.01	\$0.00	\$0.00	\$0.00	\$420.67
Jul-15	Jun-15	2011-2015	Q2	0.09%	\$55.09	\$127.19	\$240.47	\$0.00	\$0.00	\$0.00	\$422.75
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	Dec-16	2011-2016	Q4	0.09%	\$75.40	\$132.28	\$229.68	\$0.00	\$0.00	\$0.00	\$437.35

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Total for fisca	l year 2016			\$1,186.84	\$5,937.97	\$10,945.81	\$0.00	\$0.00	\$0.00	\$18,070.62
Amount Cleare	ed									
Opening Bala	nce for fiscal	year 2017		\$1,186.84	\$5,937.97	\$10,945.81	\$0.00	\$0.00	\$0.00	\$18,070.62
Jan-17	2011-2017	Q1	0.09%	\$75.40	\$132.28	\$229.68	\$0.00	\$0.00	\$0.00	\$437.35
Feb-17	2011-2017	Q1	0.09%	\$75.40	\$132.28	\$229.68	\$0.00	\$0.00	\$0.00	\$437.35
Mar-17	2011-2017	Q1	0.09%	\$75.40	\$132.28	\$229.68	\$0.00	\$0.00	\$0.00	\$437.35
Apr-17	2011-2017	Q2	0.09%	\$75.40	\$132.28	\$229.68	\$0.00	\$0.00	\$0.00	\$437.35
Total for fisca	l year 2017			\$1,488.43	\$6,467.09	\$11,864.52	\$0.00	\$0.00	\$0.00	\$19,820.04
Amount Cleare	ed									
Opening Bala	nce for fiscal	year 2018		\$1,488.43	\$6,467.09	\$11,864.52	\$0.00	\$0.00	\$0.00	\$19,820.04

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Appendix F 2015 CDM Annual Verified Results

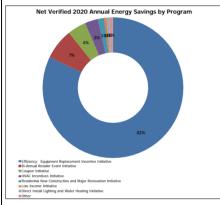
Final 2015 Annual Verified Results Report Summary For: Niagara Peninsula Energy Inc.

#	rget Achlevement Metric	2015 Verified Results	2015-2020 Total CDM Plan Forecast	2015 Verified Results versus CDM Plan (%)	2015-2020 Total Allocated Target / Budget	2015 Verified Results versus Allocated Target / Budget (%)
1	Net Verified Annual Energy Savings Persisting to 2020 (MWh)	12,742.251	74,450.418	17	74,440.000	17
	Total Spending (\$)	0	19,056,864	0	19,056,865	0

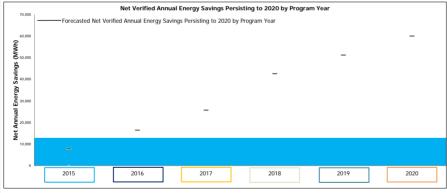
Annual Results							
# Metric	2015	2016	2017	2018	2019	2020	Total
Net Verified Annual Energy Savings Persisting to 2020 (MWh)	12,742.251						12,742.251
2 Net Verified Incremental First Year Energy Savings (MWh)	14,244.984						14,244.984
3 Total Spending (\$)	0						0
4 Total Resource Cost Test (Ratio)	n/a						n/a
5 Program Administrator Cost Test (Ratio)	n/a						n/a
6 Levelized Unit Energy Cost Result (\$/kWh)	n/a						n/a

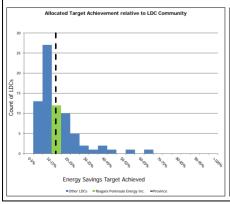
#	Metric	Result
	Net Verified 2015 Annual Energy Savings from Full Cost Recovery Programs (MWh)	14,244.984
2	Net 2015 Annual Energy Savings from Full Cost Recovery Program per CDM Plan Forecast (MWh)	8,360.140
3	Annual Full Cost Recovery Progress (%)	170

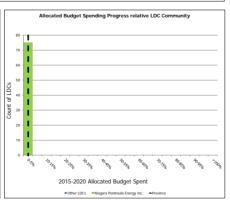
Bı	udget Progress Metric	Result
1	2015 Spending (5)	0
2	2015 CDM Plan Budget (\$)	134,445
3	CDM Plan Budget Progress (%)	0











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Final 2015 Annual Verified Results Report

Letter from the Vice-President, Conservation & Corporate Relations

June 30, 2016

The IESO is pleased to provide the Final 2015 Annual Verified Results Report including final 2015 Project Lists and EM&V Key Findings & FAQs. Collectively LDCs achieved 1.1 TWh of energy savings persisting to 2020 – representing 16% of the 7 TWh target. These results were achieved through both Legacy Framework and Conservation First Framework (CFF) programs. The results indicate a smooth transition between frameworks and demonstrate the continued collaboration between LDCs and the IESO in promoting a culture of conservation across the province.

The IESO remains committed to supporting LDCs in the delivery of conservation programs and 2015 marked some significant milestones, including the completion and approval of over 40 CDM plans and the implementation of 14 pilot programs and 5 local programs. Other highlights include:

- Business sector accounted for 79% of the net energy savings persisting to 2020 with the remainder 21% through the Residential sector.
- The Coupons program shifted toward ENERGY STAR® rated LED lighting, accounting for roughly 90% of coupons redeemed.
- The Retrofit program participation increased nearly 20%, and net energy savings increased by over 50% over 2014 results. Net-to-gross adjustments are trending higher than previous years, minimum of a 75% net-to-gross in all regions.
- The Process & Systems Upgrades program achieved a 20% increase in Capital Incentive projects totalling 12 in all, including 4 Behind-the-Meter Generation, and a broad spectrum of industrial processes and end-uses.

2015 also marks the first year that regional and local net-to-gross values have been employed where possible in certain programs, providing LDCs with a more granular analysis on their individual results.

CFF provides many opportunities to support LDCs in achieving their energy targets and delivering value to customers. Through increased flexibility for LDCs to design and deliver programs based on local needs and fostering collaboration and innovation through enhanced program funding opportunities we are well positioned to achieve success in delivering effective conservation programs to all customers.

We appreciate your collaboration and cooperation throughout the reporting and evaluation process and as we look ahead to the remainder of 2016, the IESO will be focusing on improving its communication and support services to further enhance the participation in conservation programs for both LDCs and customers.

Please continue to monitor Save on Energy E-blasts for future updates and should you have any other questions or comments please contact LDC.Support@ieso.ca.

I look forward to continuing to work together in achieving success in the Conservation First Framework.

Sincerely,

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

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Final 2015 Annual Verified Results Report

Table of Contents

#	Worksheet Name	Worksheet Description
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	1	Worksheet Description
1	How to Use This Report	Describes the contents and structure of this report
2	Report Summary	A high level summary of the Final 2015 Annual Verified Results Report, including: 1) progress toward the LDC's a) Allocated 2020 Energy Savings Target; b) Allocated 2015-2020 LDC CDM Plan Budget; c) CDM Plan 2015-2020 Forecasts; 3) annual savings and spending; 4) Annual FCR Progress; 5) annual LDC CDM Plan spending progress; 6) graphs describing: a) contribution to 2020 Target Achievement by program; b) 2015 LDC CDM Plan Budget Spending by Sector; c) annual energy savings persistence to 2020 by year; d) your Allocated Target achievement progress relative to your peers; and e) your LDC CDM Plan Budget Spending progress relative to your peers;
3	LDC Progress	A comprehensive report of 2015 conservation results including: 1) activity; 2) savings including; a) energy and demand; b) net and gross; c) CDM Plan forecasts, verified actuals and relative progress; d) Allocated Target and Target acheivement; and 3) spending, including participant incentives and administrative expenses. Data is grouped by category and summarized at the LDC level.
4	Province-Wide Progress	A comprehensive report of 2015 conservation results including: 1) activity; 2) savings including; a) energy and demand; b) net and gross; c) CDM Plan forecasts, verified actuals and relative progress; d) Allocated Target and Target acheivement; and 3) spending, including participant incentives and administrative expenses. Data is grouped by category and summarized at the province-wide level.
5	IESO Value Added Services Costs	Provision of the LDCs and the Province-Wide aggregated IESO Value Added Services activity and costs for each year.
6	Methodology	Description of the methods used to calculate energy savings, financial results and cost-effectiveness.
7	Reference Tables	Consumer Program Province-Wide results allocation to specific LDCs.
8	Glossary	Definitions for the terms used throughout this report.
Ь		

Final 2015 Annual Verified Results Report

How to use this 2015 Annual Verified Results Report

The IESO is pleased to provide you with the 2015 Annual Verified Results Report.

This report provides:

- 1) electricity savings
- 2) annual Full Cost Recovery funding model program progress; and
- 3) peak demand savings:
- 4) IFSO Value Added Services Costs
- in accordance with Section 9.2(b)(i) of the Energy Conservation Agreement.

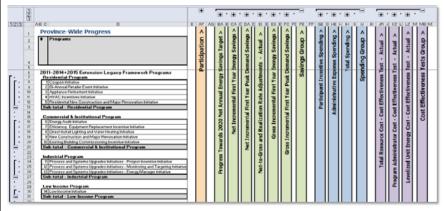
In addition to the above, this report also provides in greater detail:

- 1) program participation results including
 - a) forecasts; b) actuals; and c) progress (forecast versus (vs) actuals);
- 2) program savings results including:
 - a) net 2020 annual energy savings;
 - b) allocated target, target achievement and progress towards target;
 - c) incremental net first year energy savings
 - d) incremental net first year demand savings
 - e) annual net-to-gross and realization rate adjustments;
 - f) incremental gross first year energy savings; and
 - g) incremental gross first year demand savings;
 - and where available reported by: i) forecasts; ii) verified actuals; and iii) progress (forecast vs actuals);
- 3) program spending including:
 - a) participation incentive spending;
 - b) administrative expense spending (including IESO value-added services costs);
 - c) aggregated total spending;

and for each cost: i) forecasts; ii) verified actuals; and iii) progress (forecast vs actuals);

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

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



Please note

- 1) Cost Effectiveness Test (CET) results including:
 - a) total resource cost test;
 - b) program administration cost test;
 - c) levelized unit energy cost test;
 - and for each test: i) benefits; ii) cost; iii) net benefit; iv) benefit ratio;
 - will not be available for the 2015 program year in this report but will be provided to LDCs in August 2016.
- 2) forecasts of: a) activity; b) savings; and c) spending; included in this report are based on LDC submitted and IESO received CDM Plan - Cost Effectiveness Tools as of May 16, 2016 (from the i) Program Design; ii) Budget Inputs; iii) Savings Results; and iv) CE Results; worksheets); Please note that this does not contain data for Legacy Framework program spending or CFF pilot program activity, savings, spending or cost effectiveness.
- 3) Annual FCR Progress only includes Full Cost Recovery funded program savings. In future reports, any Pay-for-Performance funded programs will be reported as a separate line item.
- 4) The complete list of programs and pilots launched into market in 2015 has been included, however no programs and pilots were in market for a sufficient period of time to enable a valid EM&V process. Therefore these programs and pilots have nothing to report at this time and have cells greyed out rather than reporting zero savings or spending. Any results in 2015 will be determined in a subsequent EM&V process and will be included in a future year's Annual Verified Results Report as a 2015 adjustment;
- 5) Pilot program savings are attributed to the LDC where the pilot program project is located in; and
- 6) This Annual Verified Results Report provides results for the LDC and province only. No aggregated

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Niagara Peninsula Energy Inc. Progress						Pa	rticipation				Λ		Page 1	70 of 19	Progress Tow
# Programs	Unit of Measure			CDM Plan Fores	ast Reported (#)			Actual Verified (#)		Progress vs. CDM Plan					n Forecast Reporte
	ivieasure			CDW Flair Forect	ast Reported (#)	1		Actual verified (#)		(%)	atic				
		2015	2016	2017	2019	2020	Total	2015 2016 2017 2018 2019 2020	Total	2015 2016 2017 2018 2019 2020 Total	Participation	2015	2016	2017	2018
2011-2014+2015 Extension Leaacv Framework Programs Residential Program											Pa				
1 Coupon Initiative 2 Bi-Annual Retailer Event Initiative	Measures Measures	15,733 0					15,733	22,688 38,264	22,688 38,264	144%		124,819 377,415			
3 Appliance Retirement Initiative 4 HVAC Incentives Initiative	Appliances	1.021					1,021	36	36 1,084	10/0/		0 368.464			
5 Residential New Construction and Major Renovation Initiative	Equipment Homes	0					0	1,084	99	106%		0			
Sub-total - Residential Program												870,698			4
Commercial & Institutional Program 6 Energy Audit Initiative	Audits	1					1	19	19	1900%		0			
7 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Heating Initiative	Projects Projects	133 127					133 127	178 48	178 48	134% 134% 38% 38%		5,717,582 457,443			1
9 New Construction and Major Renovation Initiative	Buildings	5					5	6	6	38% 38% 120% 120%		285,000			
10 Existing Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program	Buildings	0					0	0	0			6,460,025			
Industrial Program		•					<u>.</u>					•			
11 Process and Systems Upgrades Initiatives - Project Incentive Initiative 12 Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	Projects Audits	5					5	0	0	0%		475,000			
13 Process and Systems Upgrades Initiatives - Energy Manager Initiative	Projects	5					5	8	8	160%		0			
Sub-total - Industrial Program												475,000			
Low Income Program 14 Low Income Initiative	Homes	111					111	138	138	124%		87,068			
Sub-total - Low-Income Program												87,068			
Pilot Program	1 10	1										-1			
15 Loblaws Pilot 16 Social Benchmarking Pliot	Projects Participants	0					0	0	0			0			
17 Conservation Fund Pilot - SEG 18 Conservation Fund Pilot - EnerNOC	Projects Projects	0					0	0	0			0			
Sub-total - Pilot Program	Projects	U					U		0			0			
Other															
19 Aboriginal Conservation Program 20 Program Enabled Savings	Homes Projects	n/a					0	0	0			n/a			
21 Adjustments to 2015 Legacy Framework Verified Results	Tojects	n/a					0	0	0			n/a			
Sub-total - Other												0			
Sub-total - 2011-2014+2015 Extension Legacy Framework												7,892,791			
2015-2020 Conservation First Framework Programs															
Residential Province-Wide Program 22 Save on Energy Coupon Program	Measures	0	15,733	15,733	15,733 15,73	3 15,733	78,665	0	0	0%		0	502,234	502,23	4 502,2
23 Save on Energy Heating and Cooling Program 24 Save on Energy New Construction Program	Equipment Homes	0	1,021	0	0	0 0	1,021	0	0	0%		0	368,464)
25 Save on Energy Home Assistance Program	Homes	0	111	111	111 11		555	0	0	0%		0	87,068	87,06	
Sub-total - Residential Province-Wide Program												0	957,766	589,302	2 589,
Business Province-Wide Program 26 Save on Energy Audit Funding Program	Audits	0	1	1	1	1 1	5	0	0	0%		0	0	75,85	4 75
27 Save on Energy Retrofit Program	Projects	0	154 127	154 127	144 13 127 12	9 139	730 635	0 0	0	0% 0% 0%		0	6,406,941 474,953	6,406,94 474,95	1 5,978
28 Save on Energy Small Business Lighting Program 29 Save on Energy High Performance New Construction Program	Projects Buildings	0	127	1 1		1 1	5	0	0	0%		0	57,000	57,00	
30 Save on Energy Existing Building Commissioning Program 31 Save on Energy Process & Systems Upgrades Program	Buildings Projects	0	0	0		0 0	0 21	0	0	0%		0	475.000	475.00	0 8,360
32 Save on Energy Monitoring & Targeting Program	Audits	0	1	0		0 1	3	0	0	0%		0	178,144		0 178
33 Save on Energy Energy Manager Program Sub-total - Business Province-Wide Program	Projects	0	10	15	15	5 15	70		0	0%		0	7,592,038	1,174,485 8,664,233	5 1,174 3 16,298,
Local & Regional Program															
34 Business Refrigeration Local Program 35 First Nation Conservation Local Program	Projects Projects	0	0	0	0	0 0	0	n/a n/a	0	n/a		0	0)
36 Social Benchmarking Local Program	Participants	0	0	0		0 0	0	n/a	0	n/a n/a		0	0		0
Sub-total - Local & Regional Program												0	0	(1
Pilot Program 37 Enersource Hydro Mississauga Inc Performance-Based Conservation Pilot Program - Cor	Projects							n/a	0						T
38 EnWin Utilities Ltd Building Optimization Pilot	Projects							n/a	0						
39 EnWin Utilities Ltd Re-Invest Pilot 40 Horizon Utilities Corporation - ECM Furnace Motor Pilot	Projects Projects							n/a	0						
41 Horizon Utilities Corporation - Social Benchmarking Pilot 42 Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot	Participants Projects							n/a n/a	0				\longrightarrow		
43 Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot	Homes							n/a	0						
 44 Kitchener-Wilmot Hydro Inc Pilot - DCKV 45 Niagara-on-the-Lake Hydro Inc Direct Install Energy Efficiency Measures for the Agricul 	Projects Projects							n/a n/a	0						+
46 Oakville Hydro Electricity Distribution Inc Direct Install - Hydronic 47 Oakville Hydro Electricity Distribution Inc Direct Install - RTU Controls	Projects Projects							n/a n/a	0						
48 Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)	Projects							n/a	0						
49 Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings) 50 Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)	Projects Projects							n/a n/a	0						
Sub-total - Pilot Program								0	0						
Other															
51 Adjustments to 2015 CFF Verified Results 52 Adjustments to 2016 CFF Verified Results								n/a n/a	0						1
53 Adjustments to 2017 CFF Verified Results 54 Adjustments to 2018 CFF Verified Results								n/a	0						
55 Adjustments to 2019 CFF Verified Results								n/a	0						
Sub-total - Other								0	0						
Sub-total - 2015-2020 Conservation First Framework												0 9	8,549,804	9,253,535	16,888,1
otal												7,892,791	8,549,804	9,253,535	16,888,1

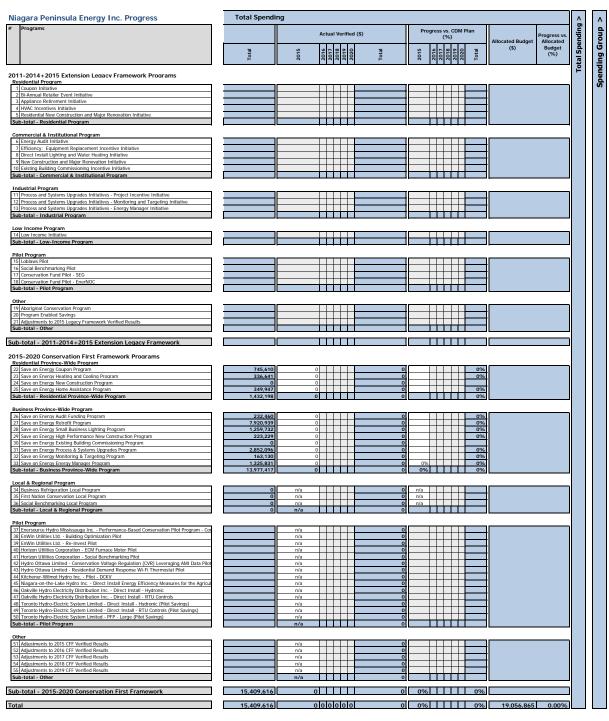
# Programs 2011-2014+2015 Extension Legacy Framework Programs Residential Program 1 Coupon Initiative 2 Bi-Annual Retailer Swent Initiative 3 Applance Retriment Initiative 4 HAVC Incentives Initiative 5 Residential New Construction and Major Renovation Initiative Sub-total - Residential Program Commercial & Institutional Program 6 Energy Audit Initiative 1 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Initiative 9 New Construction and Major Renovation Initiative 10 Existing Building Commissioning Incentive Initiative 10 Existing Building Commissioning Incentive Initiative Industrial Program Industrial Program Industrial Program	(kWh)	2020	124,819 377,415 0 368,464	545,4i 901,3i	Actual Verified (kWh) 9 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Total	Allocated Target (kWh)	Progress vs. Target (%)	Savings Target	2015	2016	2017 WDD	Plan Forecast Reporte	0 (dWh)	2020
Residential Program 1 Coupon Initiative 2 Bi-Annual Retailer Event Initiative 3 Appliance Retrement Initiative 4 HAVC Incentives Initiative 4 HAVC Incentives Initiative 5 Residential New Construction and Major Renovation Initiative 5 Residential New Construction and Major Renovation Initiative Sub-total - Residential Program Commercial & Institutional Program 6 Energy Audit Initiative 7 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Heating Initiative 9 New Construction and Major Renovation Initiative 10 Esisting Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program Industrial Prog	2019	2020	377,415 0	545,4I 901,3I			Target (kWh)	Target	Savings T	2015	2016	2017	2018	2019	2020
Residential Program 1 Coupon Initiative 2 Bi-Annual Retailer Event Initiative 3 Appliance Retrement Initiative 4 HAVC Incentives Initiative 4 HAVC Incentives Initiative 5 Residential New Construction and Major Renovation Initiative 5 Residential New Construction and Major Renovation Initiative Sub-total - Residential Program Commercial & Institutional Program 6 Energy Audit Initiative 7 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Heating Initiative 9 New Construction and Major Renovation Initiative 10 Esisting Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program Industrial Prog			377,415 0	901,3					S						
1 Coupon Initiative 2 2 Bi-Annual Retailer Event Initiative 3 3 Appliance Retirement Initiative 4 5 Residential Rew Construction and Major Renovation Initiative 5 5 Residential New Construction and Major Renovation Initiative 5 5 Residential New Construction and Major Renovation Initiative 5 5 Residential New Construction and Major Renovation Initiative 7 6 Energy Audit Initiative 9 7 Efficiency: Equipment Replacement Incentive Initiative 9 8 Direct Install Lighting and Water Heating Initiative 9 9 New Construction and Major Renovation Initiative 10 Esisting Bullding Commissioning Incentive Initiative 10 Esisting Bullding Commissioning Incentive Initiative 10 Existing Program 1 1 Industrial Program 1			377,415 0	901,3					9						
3 Appliance Retirement Initiative 4 HWC Incentives Initiative 5 Residential New Construction and Major Renovation Initiative 5 Residential New Construction and Major Renovation Initiative Sub-total - Residential Program 6 Energy Audit Initiation Program 6 Energy Audit Initiative 7 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Healing Initiative 9 New Construction and Major Renovation Initiative 10 Easting Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program Industrial Program			0		55	545,400			ner	124,819					
4 HA/C Incentives Initiative 5 Residential New Construction and Major Renovation Initiative Sub-total - Residential Program Commercial & Institutional Program 6 Energy Audit Initiative 7 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Heating Initiative 9 New Construction and Major Renovation Initiative 10 Essing Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program Industrial Program			368,464 0		0	901,355			ᇤ	377,415				+	
Sub-total - Residential Program Commercial & Institutional Program 6 Energy Audit Initiative 7 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Heating Initiative 9 New Construction and Major Renovation Initiative 10 Existing Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program Industrial Program			0	390,2	115	390,215			E I	368,464				_	
6 Energy Audit Initiative 7 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Heating Initiative 9 New Construction and Major Renovation Initiative 10 Esisting Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program Industrial Program			870,698		80	174,410 2,011,380			: Annual	0 870,698					
7 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Install Uphting and Water Healing Initiative 9 New Construction and Major Renovation Initiative 10 Existing Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program Industrial Program									Ne	F					
8 Direct Install Lighting and Water Heating Initiative 9 New Construction and Major Renovation Initiative 10 Existing Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program Industrial Program			5,717,582	10.470.0	0	10,470,025			2020	75,854 5,717,582				4	
10 Existing Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program Industrial Program			457,443	71,9	143	71,943			2 2	457,443				_	
Sub-total - Commercial & Institutional Program Industrial Program			285,000	55,7	45	55,745			rards	285,000				4	
			6,460,025	10,597,71	13	10,597,713			OWS	6,535,879					
		•	475 000						SS T	475.000					
11 Process and Systems Upgrades Initiatives - Project Incentive Initiative 12 Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative			475,000		0	0			gre	475,000				4	
13 Process and Systems Upgrades Initiatives - Energy Manager Initiative Sub-total - Industrial Program			0 475.000	59,8	89	59,889 59,889			Pro	391,495 866.495					
Low Income Program		•	,												
Tal Low Income Initiative Sub-total - Low-Income Program			87,068 87.068		69	73,269 73,269	_			87,068 87,068					
Sub-total - Low-Income Program Pilot Program	-		67,006	73,26		13,209				67,068				-	_
15 Loblaws Pilot			0		0	0				0					
16 Social Benchmarking Pliot 17 Conservation Fund Pilot - SEG			0		0	0				0			_	+	
18 Conservation Fund Pilot - EnerNOC			0		0	0				0					
Sub-total - Pilot Program			0		0	0				0					
Other 19 Aboriginal Conservation Program			0		0	0				0					
20 Program Enabled Savings			0		0	0				n/a					
21 Adjustments to 2015 Legacy Framework Verified Results Sub-total - Other			0		0	0				n/a					_
Sub-total - 2011-2014+2015 Extension Legacy Framework			7,892,791	12,742,25	51	12,742,251				8,360,140					
2015-2020 Conservation First Framework Programs Residential Province-Wide Program															
22 Save on Energy Coupon Program 23 Save on Energy Heating and Cooling Program	502,234	502,234	2,511,170 368,464		0	0				0	502,23 368,46		02,234 502,2	34 502	2,234 502
24 Save on Energy New Construction Program	0	0	0		0	0				0		0	0	0	0
25 Save on Energy Home Assistance Program Sub-total - Residential Province-Wide Program	87,068 589,302	87,068 589,302	435,340 3,314,974		0	0				0	87,06 957,76		7,068 87,0 9,302 589,30		7,068 8 9,302 589
Business Province-Wide Program															
26 Save on Energy Audit Funding Program	75,854 5,764,127	75,854 5,764,127	303,416 30,320,535		0	0				0	75,85 6.406.94		5,854 75,8 6,941 5,978.3		5,854 75 4.127 5.76
27 Save on Energy Retrofit Program 28 Save on Energy Small Business Lighting Program	474,953	474,953	2,374,765		0	0				0	474,95		4,953 474,9		
29 Save on Energy High Performance New Construction Program	57,000	57,000	285,000		0	0				0	57,00		7,000 57,0	00 57	7,000 5
30 Save on Energy Existing Building Commissioning Program 31 Save on Energy Process & Systems Upgrades Program	0 475,000	475,000	10,260,000		0	0				0	475,00		0 5,000 8,360,0	0 475,	0 5,000 475
32 Save on Energy Monitoring & Targeting Program	475,000	178,144	534,432		0	0				0	178,14	14	0 178,1	44	0 178
33 Save on Energy Energy Manager Program Sub-total - Business Province-Wide Program	1,174,485 8,021,419	1,174,485 8,199,563	4,697,940 48,776,088		0	0				0	782,99 8,450,88		4,485 1,174,4 1,233 16,298,83		
Local & Regional Program															
34 Business Refrigeration Local Program	0	0	0	n/a		0				0		0	0	0	0
35 First Nation Conservation Local Program 36 Social Benchmarking Local Program	0	0	0	n/a n/a		0				0		0		0	0
Sub-total - Local & Regional Program	0	0	0		0	0				0		0	0	0	0
Pilot Program 37 Enersource Hydro Mississauga Inc Performance-Based Conservation Pilot Program - Cor				n/a		0									
38 EnWin Utilities Ltd Building Optimization Pilot				n/a		0									
39 EnWin Utilities Ltd Re-Invest Pilot 40 Horizon Utilities Corporation - ECM Furnace Motor Pilot				n/a n/a		0								4	
41 Horizon Utilities Corporation - Social Benchmarking Pilot				n/a		0									
42 Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot				n/a		0								4	
43 Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot 44 Kitchener-Wilmot Hydro Inc Pilot - DCKV				n/a n/a		0									
45 Niagara-on-the-Lake Hydro Inc Direct Install Energy Efficiency Measures for the Agricul				n/a		0									
46 Oakville Hydro Electricity Distribution Inc Direct Install - Hydronic 47 Oakville Hydro Electricity Distribution Inc Direct Install - RTU Controls				n/a n/a		0								_	
48 Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)				n/a		0									
49 Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings) 50 Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)				n/a n/a		0							_	_	
Sub-total - Pilot Program					0	0									
Other				pr for											
51 Adjustments to 2015 CFF Verified Results 52 Adjustments to 2016 CFF Verified Results				n/a n/a		0								_	
53 Adjustments to 2017 CFF Verified Results				n/a		0									
54 Adjustments to 2018 CFF Verified Results				n/a n/a		0								_	
					0	0									
55 Adjustments to 2019 CFF Verified Results															
55 Adjustments to 2019 CFF Verified Results Sub-total - Other	8,610,721	8,788,865	52,091,062		olliii	0				0	9,408,64	9,253,	,535 16,888,13	7 8,610,7	721 8,788,
		8,788,865 8,788,865	52,091,062 59,983,853				74,440,00	17.12%		8,360,140	9,408,64		.535 16,888,13		

March Marc	Niagara Peninsula Energy Inc. Progress	ear Energy Savir	ngs	,	Net Incremental First Year Peak Demand Savings Page 172 of 194 A
10 10 10 10 10 10 10 10	# Programs		Actual Verified (kWh)		
A					(%)
The content of the		Total	2015 2016 2017 2019 2019 2020		2015 2016 2017 2018 2018 2018 2018 2018 2018 2018 2018
	2011-2014+2015 Extension Legacy Framework Programs Residential Program				
March Marc				4 243% 243%	22 2709¢ Q 100
A	3 Appliance Retirement Initiative	0	15,994 15,99	.1	0
1	5 Residential New Construction and Major Renovation Initiative	0	174,410 174,41	0 106%	3 0 45 45 45 65 65 65 65 65
1 1 1 1 1 1 1 1 1 1	Sub-total - Residential Program	870,698	2,048,478 2,048,47	8 235% 235%	328 353 108% 1 108%
1 1 1 1 1 1 1 1 1 1	Commercial & Institutional Program	75.854	1 355 782 1 355 78	2 1787% 1787%	13 280 280 27794 27794
	7 Efficiency: Equipment Replacement Incentive Initiative	5,717,582	10,499,202 10,499,20	2 184% 184%	1.050 1.089 1.089 1.04% 1.04% 0 1.04
Company of the Property of t	Direct Install Lighting and Water Heating Initiative New Construction and Major Repoyation Initiative			0 28% 28% 30% 30%	133 31 31 23% 23% 0 70
Company Comp	10 Existing Building Commissioning Incentive Initiative	0	0	0	0 0 0 0 0 10 100
Comparison Com	Sub-total - Commercial & Institutional Program	6,535,879	12,040,399 12,040,39	9 184% 184%	1,287 1,432 111% 111%
Company Comp	Industrial Program	475.000		0 00/	
Contract Part Contract Par	12 Process and Systems Opgrades Initiatives - Project incentive Initiative 12 Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	475,000	0	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Comment Comm	13 Process and Systems Upgrades Initiatives - Energy Manager Initiative				45 12 12 27% 27% 108
Claim and common Claim and c		666,495	39,009 39,00	176 1 176	771 12 12 12 12 12 12 12 12 12 12 12 12 12
Company Comp	Low Income Program 14 Low Income Initiative	87,068		8 111% 111%	101 9 9 9% 9% 97
Column C	Sub-total - Low-Income Program			8 111% 111%	101 101 9 9 9% 9%
Section Sect					
Section Sect		0			
State Stat	17 Conservation Fund Pilot - SEG	0	0	0	
Commonwealth Comm		0			
	19 Aboriginal Conservation Program	0		0	0 0 0 100
Section Sect	20 Program Enabled Savings	0			n/a 0 0 100 100
1.85 1.80 1.244.96 1.424.96 1.424.96 1.00 1.		0			
200-1000 100	Cub Astal 2011 2014 2015 Futoreira Larger Franciscolo	0.2/0.140	14 244 004	4 1700/	
Substitute Process P	Sub-total - 2011-2014+2015 Extension Legacy Framework	8,360,140	14,244,984	4 170% 170%	1,813 1,808 1 1,808 1 1,808 1 10076 1 1 10076
20 per not p	2015-2020 Conservation First Framework Programs Posidential Province-Wide Program				
2 See on the production by age.	22 Save on Energy Coupon Program				0 31 31 31 31 155 0 0 00 100
23 10 10 10 10 10 10 10 1		368,464		0 0%	
Deliver in the Principle	25 Save on Energy Home Assistance Program		0	0 0%	0 101 101 101 101 101 505 0 0 0 0 0% 100
23 23 23 24 24 24 24 24	Sub-total - Residential Province-Wide Program	3,314,974	0	0 1 1 0%	0 428 132 132 132 956 0 0 0 0 0
25 con a force plant florage mode 30,000,000 1,0		270 270		000	
2 Source in Comparison Materians (Imprograms 1997) 3 Source in Comparison Materians (Imprograms 1997) 3 Source in Comparison Materials (Imprograms 1997) 3 Source in Compar	26 Save on Energy Audit Funding Program 27 Save on Energy Retrofit Program	30,320,535	0	0 0%	0 1,176 1,176 1,091 1,049 1,049 5,541 0 0 0 0 0 0 0 100
3 See on Engry Merchan & Springer (large American & Springer) 50,000,000,000 1 1 0 0 1 0 0 0 0					0 65 65 65 65 65 325 0 0 0 0 0 100
2 Size on Florey Monterton & Transport Program	30 Save on Energy Existing Building Commissioning Program	0	0		
10 1,455 1,460 2,492 1,333 1,333 7,777 0 0 0 0 0 0 0 0 0	31 Save on Energy Process & Systems Upgrades Program				
Control & Regional Program Control & Regi	33 Save on Energy Energy Manager Program	5,480,930	0	0 0%	
18 Bather Refregation Local Program 18 18 18 18 18 18 18 1	Sub-total - Business Province-Wide Program	49,634,932	0	0 0%	0 1,435 1,460 2,292 1,333 1,353 7,873 0 0 0 0
38 First Nation Conservation Local Registers 10 10 10 10 10 10 10 1	Local & Regional Program				
Sub-total Local & Regional Program 0		0		0 n/a 0 n/a	
Pilot Program Pilot Program Pilot Program Co Color	36 Social Benchmarking Local Program	0			0 0 0 0 0 0 0 n/a n/a n/a
20 Emergacia Hydro Mississaga frc Performance Based Conservation Pilot Program - Or Info 1		0	0		
30 Environ Utilities Life - Bearing Optimization Priest 1	Pilot Program 37 Engreguero Hydro Mississauga Inc Performance-Based Conservation Pilot Program - Con		n/a		0/2
Collection Utilities Corporation - ECM furnace Motor Pilot	38 EnWin Utilities Ltd Building Optimization Pilot		n/a	0	n/a 0 n/a
1 Horton Utilities Corporation - Social Benchmarking Pilot 1 1 1 1 1 1 1 1 1				0	
43 hydro Ottawa Limited - Residential Demand Response Wi-F1 Thermostal Pilot 44 Richard Hydro (inc Direct Install Floring Efficiency Measures for the Agricu 45 Majara - on-the-Lake Hydro (inc Direct Install Floring Efficiency Measures for the Agricu 45 Majara - on-the-Lake Hydro (inc Direct Install Floring Efficiency Measures for the Agricu 45 Majara - on-the-Lake Hydro (inc Direct Install Floring Efficiency Measures for the Agricu 45 Majara - on-the-Lake Hydro (inc Direct Install Floring Efficiency Measures for the Agricu 61 61 61 61 61 61 61 6	41 Horizon Utilities Corporation - Social Benchmarking Pilot			0	n/a 0 n/a
44 Etherner-Wilmot Hydro Inc Pilot - DOXV 1 1 1 1 1 1 1 1 1	42 Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot			0	n/a
45 Magara - On-the-Lake Hydro (inc Direct Install Ferry Efficiency Measures for the Agricul (and Disable Hydro Inc Direct Install - Hydronic (inc. D	44 Kitchener-Wilmot Hydro Inc Pilot - DCKV		n/a	0	n/a 0 n/a
40 Cardial Hydro Electricity Distribution (n.c. Direct Install - RTU Controls (Not Savings) n/a				0	
10 10 10 10 10 10 10 10	47 Oakville Hydro Electricity Distribution Inc Direct Install - RTU Controls				
No No No No No No No No				0	
Other Other 51 Adjustments to 2015 CFF Verified Results 52 Adjustments to 2015 CFF Verified Results 53 Adjustments to 2015 CFF Verified Results 54 Adjustments to 2015 CFF Verified Results 54 Adjustments to 2015 CFF Verified Results 55 Adjustments to 2015 CFF Verified Results 64 Adjustments to 2015 CFF Verified Results 65 Adjustments to 2015 CFF Verified Results 65 Adjustments to 2015 CFF Verified Results 66 Adjustments to 2015 CFF Verified Results 67 Adjustments to 2015 CFF Verified Results 68 Adjustments to 2015 CFF Verified Re	50 Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)		n/a	0	n/a 0 n/a
Si Adjustments to 2015 EFF verified Results	Sub-total - Pilot Program		0	0	
52 Adjustments to 2016 CFF verified Results 1/4			26		
Signature Sign	52 Adjustments to 2016 CFF Verified Results		n/a	0	
55 Adjustments to 2019 CFF Verified Results	53 Adjustments to 2017 CFF Verified Results			0	n/a 0 n/a
Sub-total - Other 0 0 1.863 1.592 2.424 1.465 1.485 8.829 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			n/a		n/a 0 n/a
	Sub-total - Other		0		
	Sub-total - 2015-2020 Conservation First Framework	52,949,906	0	0 0 0%	0 1,863 1,592 2,424 1,465 1,485 8,829 0 0 0 0 0 0
01,310,040 14,244,984 14,244,984 17,0% 23%2 1,803 1,992 2,424 1,405 1,485 10,644 1,806 1,806 100% 1,7%					
	IOIAI	61,310,046	14,244,984 14,244,98	4 170% 23%	1,010 1,000 1,592 2,424 1,400 1,485 10,644 1,806 1,806 100% 1,7%

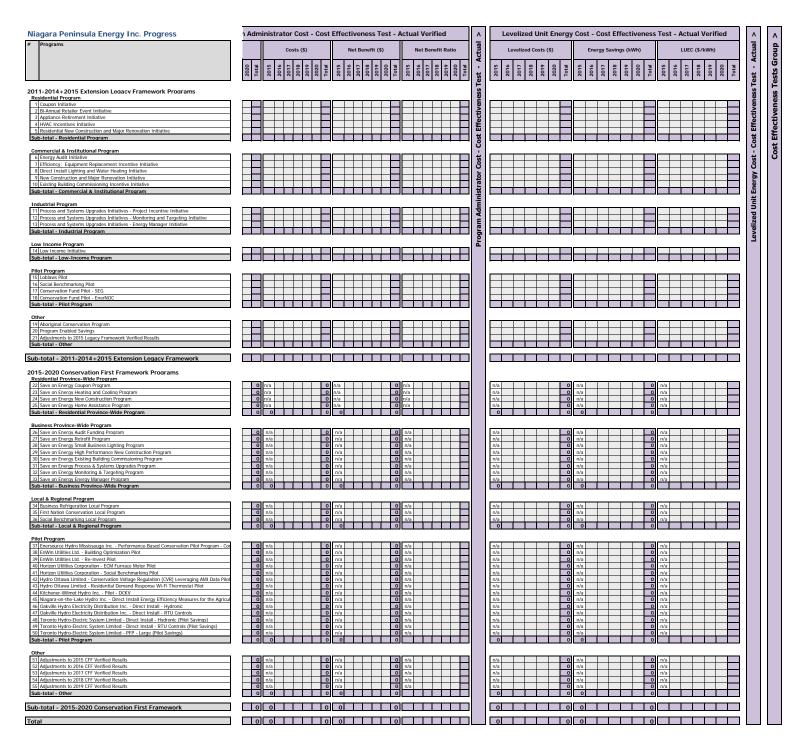
				Page 1/3 of 194
Niagara Peninsula Energy Inc. Progress		Rate Adjustments - Actual Verified A	Gross Incremental First Year Energy Savings	Gross Incremental First Year Deak Demand Savings
# Programs	Energy Savings ation Rate (%) Net-to-Gross (%)	Demand Savings Realization Rate (%) Net-to-Gross (%)	Actual Verified (kWh)	Actual Verified (kW)
			Sa la	
	2017 2018 2019 2020 7048 2015 2017 2018 2019 2019 2019	2015 2016 2017 2019 2019 2016 2016 2016 2017 2018 2018 2018 2018 2018 2018 2018 2018	2015 2016 2017 2018 2019 2020 2020	2015 2017 2018 2019 Total
2011-2014+2015 Extension Legacy Framework Programs		The state of the s		
Residential Program 1 Coupon Initiative	164%	100% 145% 100% 100% 100% 145% 145% 145% 145% 145% 145% 145% 145	336,106	22 29
2 Bi-Annual Retailer Event Initiative	164%	100% 164% 163% 100% 100% 163% 143% 143% 143% 143% 143% 143% 143% 14	560,588 560,588	38 38
3 Appliance Retirement Initiative 4 HVAC Incentives Initiative	47% 45%	100% 60% 45% 9	33,826 33,826 33,826 44,484 864,484	459 459
5 Residential New Construction and Major Renovation Initiative Sub-total - Residential Program	49%	455%		91 91 615 615
Commercial & Institutional Program	·	l o		
6 Energy Audit Initiative	86% 67%	100% 86% 86% 90% 65% 90% 90% 90% 90% 90% 90% 90% 90% 90% 90	1,576,389 1,576,389 15,629,643 15,629,643	336 336 1,676 1,676
7 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Heating Initiative	83%	38%		38 38
New Construction and Major Renovation Initiative Existing Building Commissioning Incentive Initiative	52% 100%	54% 54% 51% 100%	107,860 107,860 2	45 45 0
Sub-total - Commercial & Institutional Program			17,471,057	2,095 2,095
Industrial Program	1000/	. 1000/		
11 Process and Systems Upgrades Initiatives - Project Incentive Initiative 12 Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	100%	100% 100% 100% 100% 100% 100% 100% 100%	0 0	0 0
13 Process and Systems Upgrades Initiatives - Energy Manager Initiative Sub-total - Industrial Program	75%	100% 86% 2	79,852 79,852 79,852 79,852	14 14 14
•			77,002	
Low Income Program 14 Low Income Initiative	100%	90% 100%	96,218 96,218	9
Sub-total - Low-Income Program			96,218 96,218	9 9
Pilot Program 15 Loblaws Pilot	100%	100%	0 0	0 0
16 Social Benchmarking Pliot	100%	100%	0 0	0 0
17 Conservation Fund Pilot - SEG 18 Conservation Fund Pilot - EnerNOC	100%	100% 100% 100% 100%	0 0	0 0
Sub-total - Pilot Program			0 0	0 0
Other 19 Aboriginal Conservation Program	100%	100%		
20 Program Enabled Savings	100%	100%	0 0	0 0
21 Adjustments to 2015 Legacy Framework Verified Results Sub-total - Other	100%	100% 100%	0 0	0 0
Sub-total - 2011-2014+2015 Extension Legacy Framework			19,794,956	2,733 2,733
			17/774/300	2,755
2015-2020 Conservation First Framework Programs Residential Province-Wide Program				
22 Save on Energy Coupon Program 23 Save on Energy Heating and Cooling Program	100%	100% 100% 100% 100%	0 0	0 0
24 Save on Energy New Construction Program 25 Save on Energy Home Assistance Program	100% 100%	100% 100% 100% 100%	0 0	0 0
Sub-total - Residential Province-Wide Program	10076	10078	0 0	0 0
Business Province-Wide Program				
Save on Energy Audit Funding Program Save on Energy Retrofit Program	100%	100% 100% 100% 100%	0 0	0 0
28 Save on Energy Small Business Lighting Program	100%	100%	0 0	0 0
Save on Energy High Performance New Construction Program Save on Energy Existing Building Commissioning Program	100%	100%	0 0	0 0
31 Save on Energy Process & Systems Upgrades Program 32 Save on Energy Monitoring & Targeting Program	100%	100% 100% 100% 100% 100% 100% 100% 100%	0 0	0 0
33 Save on Energy Energy Manager Program	100%		0 0	0 0
Sub-total - Business Province-Wide Program			0 0	
Local & Regional Program 34 Business Refrigeration Local Program	n/a	n/a n/a	n/a 0	n/a 0
35 First Nation Conservation Local Program 36 Social Benchmarking Local Program	n/a	n/a	n/a 0 n/a 0	n/a 0 n/a 0
Sub-total - Local & Regional Program	11/2	11/4	0 0	0 0
Pilot Program				
 37 Enersource Hydro Mississauga Inc Performance-Based Conservation Pilot Program - Cor 38 EnWin Utilities Ltd Building Optimization Pilot 	n/a n/a	n/a	n/a 0 n/a 0	n/a 0 n/a 0
EnWin Utilities Ltd Re-Invest Pilot Horizon Utilities Corporation - ECM Furnace Motor Pilot	n/a n/a	n/a n/a	n/a 0 n/a 0	n/a 0 n/a 0
41 Horizon Utilities Corporation - Social Benchmarking Pilot	n/a	n/a n/a	n/a 0	n/a 0
 Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot 	n/a n/a	n/a	n/a 0 n/a 0	n/a 0 n/a 0
44 Kitchener-Wilmot Hydro Inc Pilot - DCKV 45 Niagara-on-the-Lake Hydro Inc Direct Install Energy Efficiency Measures for the Agricul	n/a n/a n/a	n/a	n/a 0 n/a 0	n/a 0 n/a 0
46 Oakville Hydro Electricity Distribution Inc Direct Install - Hydronic	n/a	n/a n/a	n/a 0	n/a 0
47 Oakville Hydro Electricity Distribution Inc Direct Install - RTU Controls 48 Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)	n/a n/a	n/a	n/a 0 n/a 0	n/a 0 n/a 0
Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings) Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)	n/a n/a	n/a	n/a 0 n/a 0	n/a 0 n/a 0
Sub-total - Pilot Program	11/0	100	0 0	0 0
Other				
51 Adjustments to 2015 CFF Verified Results 52 Adjustments to 2016 CFF Verified Results	n/a n/a	n/a	n/a 0 n/a 0	n/a 0 n/a 0
53 Adjustments to 2017 CFF Verified Results 54 Adjustments to 2018 CFF Verified Results	n/a n/a	n/a	n/a 0 n/a 0	n/a 0 n/a 0
55 Adjustments to 2019 CFF Verified Results	n/a	n/a n/a	n/a 0	n/a 0
Sub-total - Other			0 0	
Sub-total - 2015-2020 Conservation First Framework			0 0	0 1 1 0
Total			19,794,956	2,733 2,733

											mber 26, 2016
Niagara Peninsula Energy Inc. Progress					Parti	cipant Incent	tive Spending			Pa	ige 1/4 of 194
# Programs			CE	OM Plan Forecast (\$)				Actual Verified (\$)	Progress vs. CDM Plan (%)	giibi	
	2015	16	2017	8	19	50	lotal	2015 2016 2017 2018 2019 2020 2020	2015 2016 2017 2018 2019 2020 Total	2 Per	2016
2011-2014+2015 Extension Legacy Framework Programs Residential Program	20	20	20	50.	50.	50	£	2015 2016 2017 2018 2019 2020 2020	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	200.	50.
2011-2014-2015 Extension Legacy Framework Programs Residential Program Coupon Initiative										E	
2 Bi-Annual Retailer Event Initiative 3 Appliance Retirement Initiative										pant	
4 HVAC Incentives Initiative 5 Residential New Construction and Major Renovation Initiative Sub-total - Residential Program										Participant In	
Commercial & Institutional Program 6 Energy Audit Initiative						1					
7 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Heating Initiative											
9 New Construction and Major Renovation Initiative 10 Existing Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program											
Industrial Program											
11 Process and Systems Upgrades Initiatives - Project Incentive Initiative 12 Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative 13 Process and Systems Upgrades Initiatives - Energy Manager Initiative											
Sub-total - Industrial Program											
Low Income Program 14 Low Income Initiative Sub-total - Low-Income Program											
Pilot Program						•					
15 Loblaws Pilot 16 Social Benchmarking Pilot 17 Conservation Fund Pilot - SEG											
18 Conservation Fund Pilot - EnerNOC Sub-total - Pilot Program											
Other 19 Aboriginal Conservation Program											
20 Program Enabled Savings 21 Adjustments to 2015 Legacy Framework Verified Results											
Sub-total - Other Sub-total - 2011-2014+2015 Extension Legacy Framework											
2015-2020 Conservation First Framework Programs											
Residential Province-Wide Program 22 Save on Energy Coupon Program	0	78,665	78,665	78,665	78,665	78,665	393,325	0	0 0%		67,642 69,874
23 Save on Energy Heating and Cooling Program 24 Save on Energy New Construction Program 25 Save on Energy Home Assistance Program	0	296,950 0 30.525	0 30,525	0 30,525	0 30.525	0 30,525	296,950 0 152,625	0	0 0%	0	39,691 0 0 0 41,051 38,570
Sub-total - Residential Province-Wide Program	0	406,140	109,190	109,190	109,190	109,190	842,900	0	0 0%	0	148,384 108,444
Business Province-Wide Program 26 Save on Energy Audit Funding Program 27 Save on Energy Retrofit Program	0	10,000 992,420	10,000 992,420	10,000 939,715	10,000 913,363	10,000 913,363	50,000 4,751,282	0	0 0%	0	34,218 36,011 654,385 615,162
28 Save on Energy Small Business Lighting Program 29 Save on Energy High Performance New Construction Program	0	168,275 10,000	168,275 10,000	168,275 10,000	168,275 10,000	168,275 10,000	841,375 50,000	0	0 0%	0	101,942 81,681 36,298 33,328
30 Save on Energy Existing Building Commissioning Program 31 Save on Energy Process & Systems Upgrades Program	0	210,000	210,000	1,393,000	210,000	210,000	2,233,000	0 0	0 0%	0	0 0 123,200 120,316
32 Save on Energy Monitoring & Targeting Program 33 Save on Energy Energy Manager Program	0	37,500 0	0	37,500 0	0	37,500 0	112,500 0	0	0	0 134,445	9,680 9,936 227,049 233,971
Sub-total - Business Province-Wide Program Local & Regional Program	0	1,428,195	1,390,695	2,558,490	1,311,638	1,349,138	8,038,157	0	0 0%	134,445	1,186,771 1,130,406
34 Business Refrigeration Local Program 35 First Nation Conservation Local Program	0	0	0	0	0	0	0	n/a n/a	0 n/a 0 n/a	0	0 0
36 Social Benchmarking Local Program Sub-total - Local & Regional Program	0	0 0	0 0	0	0	0 0	0	n/a n/a	0 n/a 0	0	0 0
Pilot Program 37 Enersource Hydro Mississauga Inc Performance-Based Conservation Pilot Program - Cor						1		n/a	0		
38 EnWin Utilities Ltd Re-Invest Pilot 39 EnWin Utilities Ltd Re-Invest Pilot								n/a n/a n/a	0		
40 Horizon Utilities Corporation - ECM Furnace Motor Pilot 41 Horizon Utilities Corporation - Social Benchmarking Pilot								n/a n/a	0		
42 Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot								n/a	0		
43 Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot 44 Kitchener-Wilmot Hydro Inc Pilot - DCKV								n/a n/a n/a	0 0 0		
45 Niagara-on-the-Lake Hydro Inc Direct Install Energy Efficiency Measures for the Agricul 46 Oakville Hydro Electricity Distribution Inc Direct Install - Hydronic								n/a	0		
47 Oakville Hydro Electricity Distribution Inc Direct Install - RTU Controls 48 Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)								n/a n/a	0		
49 Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings) 50 Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)								n/a n/a	0		
Sub-total - Pilot Program Other								n/a	0		
51 Adjustments to 2015 CFF Verified Results 52 Adjustments to 2016 CFF Verified Results								n/a n/a	0		
53 Adjustments to 2017 CFF Verified Results 54 Adjustments to 2018 CFF Verified Results								n/a n/a	0		
55 Adjustments to 2019 CFF Verified Results Sub-total - Other								n/a n/a	0		
Sub-total - 2015-2020 Conservation First Framework	0	1,834,335	1,499,885	2,667,680	1,420,828	1,458,328	8,881,057		0 1 1 0%	134,445	1,335,155 1,238,850

Niagara Peninsula Energy Inc. Progress		Admi	inistrative Exp	ense Spending				٨						75 of 194
# Programs	CDM Plan Forecas	t (\$)			Actual Verified (\$))	Progress vs. CDM Plan (%)	nding			C	DM Plan Forecast	(\$)	
	2018	2019	2020	Total	2015 2016 2017 2018 2019 2019	Total	2015 2016 2017 2018 2019 2020		2015	2016	2017	2018	2019	2020
2011-2014+2015 Extension Legacy Framework Programs Residential Program								Expe						
1 Coupon Initiative 2 Bi-Annual Retailer Event Initiative								istrative						
3 Appliance Retirement Initiative 4 HVAC Incentives Initiative								stra						
5 Residential New Construction and Major Renovation Initiative Sub-total - Residential Program								dminis						
Commercial & Institutional Program								Ā						
6 Energy Audit Initiative 7 Efficiency: Equipment Replacement Incentive Initiative														
Direct Install Lighting and Water Heating Initiative New Construction and Major Renovation Initiative														
10 Existing Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program														
Industrial Program								_						
11 Process and Systems Upgrades Initiatives - Project Incentive Initiative 12 Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative								_						
13 Process and Systems Upgrades Initiatives - Energy Manager Initiative Sub-total - Industrial Program														
Low Income Program														
14 Low Income Initiative Sub-total - Low-Income Program														
Pilot Program 15 Loblaws Pilot														
16 Social Benchmarking Pliot														
17 Conservation Fund Pilot - SEG 18 Conservation Fund Pilot - EnerNOC														
Sub-total - Pilot Program														<u> </u>
Other 19 Aboriginal Conservation Program														
20 Program Enabled Savings 21 Adjustments to 2015 Legacy Framework Verified Results														
Sub-total - Other														
Sub-total - 2011-2014+2015 Extension Legacy Framework														
2015-2020 Conservation First Framework Programs Residential Province-Wide Program														
22 Save on Energy Coupon Program 23 Save on Energy Heating and Cooling Program	70,720	71,584	72,465 0	352,285 39,691	0	0	0		0	146,307 336,641	148,539 0	149,385 0	150,249	151,130
24 Save on Energy New Construction Program 25 Save on Energy Home Assistance Program	38,897	39,231	0 39,572	0 197.322	0	0	0		0	71,576	69,095	0 69,422	0 69,756	70,097
Sub-total - Residential Province-Wide Program	109,618		112,037	589,298	0	0	0		0	554,524	217,634	218,808	220,005	
Business Province-Wide Program 26 Save on Energy Audit Funding Program	36,702	37,406	38,124	182,460	0	0		%	0	44,218	46,011	46,702	47,406	48,124
27 Save on Energy Retrofit Program 28 Save on Energy Small Business Lighting Program	623,170 77,453	632,820	644,119 79,042	3,169,656 418.357	0	0	0	%	0	1,646,806 270,217	1,607,583 249,956	1,562,885 245.728	1,546,183 246,515	1,557,482 247,317
29 Save on Energy High Performance New Construction Program 30 Save on Energy Existing Building Commissioning Program	33,923		35,149	173,229	0	0			0	46,298	43,328	43,923	44,530	45,149 0
31 Save on Energy Process & Systems Upgrades Program	122,722	125,177	127,680	619,096	0	0	0	%	0	333,200	330,316	1,515,722	335,177	337,680
32 Save on Energy Monitoring & Targeting Program 33 Save on Energy Energy Manager Program	10,134 238,651	243,424	10,544 248,292	50,630 1,325,831	0	0	0%	%	134,445	47,180 227,049	9,936 233,971	47,634 238,651	10,337 243,424	48,044 248,292
Sub-total - Business Province-Wide Program	1,142,754	1,161,933	1,182,951	5,939,260	0	0	0% 0	%	134,445	2,614,966	2,521,102	3,701,245	2,473,571	2,532,089
Local & Regional Program 34 Business Refrigeration Local Program		0	0	0	n/a n/a	0	n/a		0	0	0	0	0	0
35 First Nation Conservation Local Program 36 Social Benchmarking Local Program		0	0	0	n/a	0	n/a n/a		0	0	0	0	0	0
Sub-total - Local & Regional Program Pilot Program		ij oj	U	Ü	n/a	U			0	i oi	U _I	U	U	. 0
The Frogue Hydro Mississauga Inc Performance-Based Conservation Pilot Program - Cor Reference Hydro Mississauga Inc Performance-Based Conservation Pilot Program - Cor Reference Hydro Mississauga Inc Performance-Based Conservation Pilot Program - Cor			_		n/a n/a	0								
39 EnWin Utilities Ltd Re-Invest Pilot					n/a	0								
40 Horizon Utilities Corporation - ECM Furnace Motor Pilot 41 Horizon Utilities Corporation - Social Benchmarking Pilot					n/a	0								
42 Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot 43 Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot					n/a n/a	0								
44 Kitchener-Wilmot Hydro Inc Pilot - DCKV 45 Niagara-on-the-Lake Hydro Inc Direct Install Energy Efficiency Measures for the Agricul					n/a n/a	0								
46 Oakville Hydro Electricity Distribution Inc Direct Install - Hydronic 47 Oakville Hydro Electricity Distribution Inc Direct Install - RTU Controls					n/a n/a	0								
48 Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings) 49 Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)					n/a n/a	0								
50 Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)					n/a	0								
Sub-total - Pilot Program Other					n/a	0								
Other Adjustments to 2015 CFF Verified Results 52 Adjustments to 2016 CFF Verified Results					n/a	0								
53 Adjustments to 2017 CFF Verified Results					n/a	0								
54 Adjustments to 2018 CFF Verified Results 55 Adjustments to 2019 CFF Verified Results					n/a n/a	0								
Sub-total - Other					n/a	0								
Sub-total - 2015-2020 Conservation First Framework		1,272,749					0% 0		134,445		2,738,735			2,753,316
Total	1,252,372	1,272,749	1,294,988	6,528,559	000000	0	0% 0	%	134,445	3,169,490	2,738,735	3,920,053	2,693,577	2,753,316



Total Res	ource Cost - Cost Effe	ectiveness Test - Actu	_{al Ve} Page 176 of	194 Progran
Benefits (\$)	Costs (\$)	Net Benefit (\$)	Net Benefit Ratio	Resource Cost - Cost Effectiveness Test - Actual 2015 2016 2016 2017 2017 2018
2015 2016 2017 2018 2019 2020 Total	2015 2016 2017 2018 2019 2020 Total	2015 2016 2017 2018 2019 2020 Total	2015 2016 2017 2018 2019 2020 Total	2015 2016 2017 2018 2019
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	·	·		
n/a 0 n/a 0	n/a 0	n/a 0	n/a n/a	n/a n/a
n/a 0 n/a 0	n/a 0	n/a 0	n/a n/a	n/a n/a 0
n/a 0 n/a 0	n/a 0	n/a 0	n/a n/a	n/a n/a
n/a 0 n/a 0 n/a 0	n/a 0	n/a 0	n/a n/a n/a	n/a n/a
n/a 0 n/a 0	n/a 0	n/a 0	n/a n/a	n/a n/a
n/a 0 0 0	n/a 0	n/a 0	n/a	n/a 0
n/a 0	n/a 0	n/a 0	n/a	n/a
n/a 0 n/a 0 n/a 0	n/a 0	n/a 0	n/a	n/a n/a n/a
0 0				0
n/a 0 n/a 0	n/a 0 n/a 0	n/a 0 n/a 0	n/a n/a	n/a n/a
n/a 0 n/a 0 n/a 0	n/a 0	n/a 0	n/a n/a n/a	n/a n/a n/a
n/a 0 n/a 0	n/a 0	n/a 0	n/a n/a	n/a n/a
n/a 0	n/a 0	n/a 0	n/a	n/a
n/a 0 n/a 0	n/a 0	n/a 0	n/a n/a	n/a n/a
n/a 0 n/a 0	n/a 0	n/a 0	n/a n/a	n/a n/a
n/a 0	n/a 0	n/a 0		n/a n/a
n/a 0 n/a 0	n/a 0	n/a 0	n/a	n/a
n/a 0	n/a 0	n/a 0	n/a	n/a
n/a 0 n/a 0	n/a 0	n/a 0	n/a n/a n/a	n/a n/a n/a
n/a 0	n/a 0	n/a 0	n/a	n/a
n/a 0			n/a	n/a O
0 0				0
0 0	0 0	0 0		0



55 Adjustments to 2019 CFF Verified Results

Total

Sub-total - 2015-2020 Conservation First Framework

Niagara Peninsula Energy Inc. EB-2016-0094 September 26, 2016

	Page	178 of 194	rogress Towa
			Forecast Reported
2015	2016	2017	2018
20	20	20	20
21,035,720			
27,592,320 317,807			
35,159,491			
84,105,338			
2,824,611 421,370,270			
61,191,201			
29,093,852 1,674,286			
516,154,220			
331,578,763			
356,288			
17,210,325 349,145,376			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
8,889,660			
8,889,660			
0			
0			
0			
0			
n/a			
n/a			
0			
958,294,594			
6,244,259	50,174,012	52,135,347	50,409,465
2,347,079	37,406,039	30,675,176	27,751,71
2,347,079 952,308 1,413,841	37,406,039 7,774,866 10,785,092	30,675,176 8,049,121 11,095,404	27,751,71: 7,920,51: 12,605,29
2,347,079 952,308	37,406,039 7,774,866	30,675,176 8,049,121	50,409,46! 27,751,71: 7,920,51: 12,605,29! 98,686,990
2,347,079 952,308 1,413,841 10,957,487	37,406,039 7,774,866 10,785,092 106,140,009	30,675,176 8,049,121 11,095,404 101,955,048	27,751,71: 7,920,51: 12,605,29: 98,686,990
2,347,079 952,308 1,413,841 10,957,487 294,892 55,584,426	37,406,039 7,774,866 10,785,092 106,140,009 3,290,088 534,759,858	30,675,176 8,049,121 11,095,404 101,955,048 13,879,164 534,753,270	27,751,71: 7,920,51: 12,605,29: 98,686,990: 13,572,06: 428,553,23i
2,347,079 952,308 1,413,841 10,957,487 294,892 55,584,426 410,618	37,406,039 7,774,866 10,785,092 106,140,009 3,290,088 534,759,858 63,588,379	30,675,176 8,049,121 11,095,404 101,955,048 13,879,164 534,753,270 73,395,760	27,751,71: 7,920,51: 12,605,29: 98,686,990: 13,572,06: 428,553,23: 57,879,500
2,347,079 952,308 1,413,841 10,957,487 294,892 55,584,426 410,618 327,354	37,406,039 7,774,866 10,785,092 106,140,009 3,290,088 534,759,858 63,588,379 19,263,799 2,221,667	30,675,176 8,049,121 11,095,404 101,955,048 13,879,164 534,753,270 73,395,760 19,599,588 2,471,667	27,751,71: 7,920,51: 12,605,29: 98,686,990: 13,572,06: 428,553,23: 57,879,500: 19,542,588 2,471,66
2,347,079 952,308 1,413,841 10,957,487 294,892 55,584,426 410,618 327,354 0 10,251,801	37,406,039 7,774,866 10,785,092 106,140,009 3,290,088 534,759,858 63,588,379 19,263,709 2,221,667 243,859,602 9,045,544	30,675,176 8,049,121 11,095,404 101,955,048 13,879,164 534,753,270 73,395,760 19,599,588 2,471,667 255,271,328 5,023,688	27,751,71: 7,920,51: 12,605,29: 98,686,990: 13,572,06: 428,553,23: 57,879,500: 19,542,581 2,471,66: 256,631,011 1,078,14*
2,347,079 952,308 1,413,841 10,957,487 294,892 55,584,426 410,618 327,354 0 10,251,801 0 740,583	37,406,039 7,774,866 10,785,092 106,140,009 3,290,088 534,759,858 63,588,379 19,263,709 2,221,667 243,859,602 9,045,544	30,675,176 8,049,121 11,095,404 101,955,048 13,879,164 534,753,270 73,395,760 19,599,588 2,471,667 255,271,328 5,023,688 2,3375,625	22,751,71. 7,920,51 12,605,29 98,686,990 13,572,06 428,553,233 57,879,50 19,542,58 2471,66 256,631,01 1,078,14
2,347,079 952,308 1,413,841 10,957,487 294,892 55,584,426 410,618 327,354 0 10,251,801	37,406,039 7,774,866 10,785,092 106,140,009 3,290,088 534,759,858 63,588,379 19,263,709 2,221,667 243,859,602 9,045,544	30,675,176 8,049,121 11,095,404 101,955,048 13,879,164 534,753,270 73,395,760 19,599,588 2,471,667 255,271,328 5,023,688	22,751,71. 7,920,51 12,605,29 98,686,990 13,572,06 428,553,233 57,879,50 19,542,58 2471,66 256,631,01 1,078,14
2.347.079 952.308 1,413.841 10,957,467 294.892 294.892 55.584.426 410.618 327.354 0 740.583 67,609,674	37,406,039 7,748,66 10,785,092 106,140,009 3,290,088 534,759,858 63,588,379 19,265,709 2,221,67) 243,859,602 19,085,544 19,815,119 895,843,966	30.675.176. 8.09 121. 11.095.404. 101.995.048. 13.879.164. 53.4753.270. 13.879.164. 53.4753.270. 19.599.588. 2.471.677. 255.271.328. 23.375.625. 927.770.090.	27,751,71; 7,920,51; 12,605,29; 98,686,99(13,572,06; 428,553,23; 57,879,50; 19,542,56,631,01; 1,078,14; 24,057,97; 803,786,18i
2.347.079 95.238 1.413.841 10.957,487 294,892 5584,492 410,618 327.354 0.0 10.251.801 0.740,583 67,609,674	37,406,097 7,778,866 10,785,092 106,140,009 3,200,088 3,270,088 63,589,379 1,227,667 2,227,667 2,227,667 2,237,667 4,389,379 1,243,590,584 1,985,544 1,985,5	30.675.176 8.040.121 11.095.048 101.955.048 13.879.164 13.879.164 13.879.167 73.395.760 12.471,672 5.022,688 2.471,672 5.022,688 2.373.56.55 922,770.090	27,751,71: 7,20,51: 12,605,29; 98,686,99; 13,572,06; 428,553,23 57,879,500; 19,542,58; 2471,66; 256,631,01; 1,078,44; 24,657,97 803,786,181
2,347,079 952,308 1,413,841 10,967,487 204,892 55,584,425 410,418 327,354 0 10,251,801 740,583 67,609,674	37,406,09 7,774,896 10,785,092 106,140,009 3,290,008 534,759,898 63,588,379 19,265,769 2,221,667 243,559,602 9,045,544 19,815,110 895,843,966 2,421,358	30,675,176 8,049,121 11,095,404 101,955,048 113,879,16 13,879,16 13,879,16 13,879,16 13,879,16 13,879,16 13,879,16 13,879,16 13,879,16 13,879,16 13,879,16 13,879,16 13,879,16 14,16	27,751,71: 7,20,51: 12,605,29; 98,686,99; 13,572,06; 428,553,23 57,879,500; 19,542,58; 2471,66; 256,631,01; 1,078,44; 24,657,97 803,786,181
2.347.079 95.238 1.413.841 10.957,487 294,892 5584,492 410,618 327.354 0.0 10.251.801 0.740,583 67,609,674	37,406,097 7,778,866 10,785,092 106,140,009 3,200,088 3,270,088 63,589,379 1,227,667 2,227,667 2,227,667 2,237,667 4,389,379 1,243,590,584 1,985,544 1,985,5	30.675.176 8.040.121 11.095.048 101.955.048 13.879.164 13.879.164 13.879.167 73.395.760 12.471,672 5.022,688 2.471,672 5.022,688 2.373.56.55 922,770.090	27,751,71: 7,20,51: 12,605,29; 98,686,99; 13,572,06; 428,553,23 57,879,500; 19,542,58; 2471,66; 256,631,01; 1,078,44; 24,657,97 803,786,181
2.347.079 95.238 1.413.841 10.957,487 294,892 5584,492 410,618 327.354 0.0 10.251.801 0.740,583 67,609,674	37,406,097 7,774,866 10,785,092 106,140,009 3,200,088 3,270,088 63,589,379 1,227,667 2,227,667 2,227,667 2,237,667 4,389,379 1,243,590,544 1,918,517 1,918,544 1,918,517 1,918,544 1,918,5	30.675.176 8.040.121 11.095.048 101.955.048 13.879.164 13.879.164 13.879.167 73.395.760 12.471,672 5.022,688 2.471,672 5.022,688 2.373.56.55 922,770.090	27,751,71: 7,20,51: 12,605,29; 98,686,99; 13,572,06; 428,553,23 57,879,500; 19,542,58; 2471,66; 256,631,01; 1,078,44; 24,657,97 803,786,181
2.347.079 95.238 1.413.841 10.957,487 294,892 5584,492 410,618 327.354 0.0 10.251.801 0.740,583 67,609,674	37,406,097 7,774,866 10,785,092 106,140,009 3,200,088 3,270,088 63,589,379 1,227,667 2,227,667 2,227,667 2,237,667 4,389,379 1,243,590,544 1,918,517 1,918,544 1,918,517 1,918,544 1,918,5	30.675.176 8.040.121 11.095.048 101.955.048 13.879.164 13.879.164 13.879.167 73.395.760 12.471,672 5.022,688 2.471,672 5.022,688 2.373.56.55 922,770.090	27,751,71: 7,20,51: 12,605,29; 98,686,99; 13,572,06; 428,553,23 57,879,500; 19,542,58; 2471,66; 256,631,01; 1,078,44; 24,657,97 803,786,181
2.347.079 95.238 1.413.841 10.957,487 294,892 5584,492 410,618 327.354 0.0 10.251.801 0.740,583 67,609,674	37,406,097 7,774,866 10,785,092 106,140,009 3,200,088 3,270,088 63,589,379 1,227,667 2,227,667 2,227,667 2,237,667 4,389,379 1,243,590,544 1,918,517 1,918,544 1,918,517 1,918,544 1,918,5	30.675.176 8.040.121 11.095.048 101.955.048 13.879.164 13.879.164 13.879.167 73.395.760 12.471,672 5.022,688 2.471,672 5.022,688 2.373.56.55 922,770.090	27,751,71: 7,20,51: 12,605,29; 98,686,99; 13,572,06; 428,553,23 57,879,500; 19,542,58; 2471,66; 256,631,01; 1,078,44; 24,657,97 803,786,181
2.347.079 95.238 1.413.841 10.957,487 294,892 5584,492 410,618 327.354 0.0 10.251.801 0.740,583 67,609,674	37,406,097 7,774,866 10,785,092 106,140,009 3,200,088 3,270,088 63,589,379 1,227,667 2,227,667 2,227,667 2,237,667 4,389,379 1,243,590,544 1,918,517 1,918,544 1,918,517 1,918,544 1,918,5	30.675.176 8.040.121 11.095.048 101.955.048 13.879.164 13.879.164 13.879.167 73.395.760 12.471,672 5.022,688 2.471,672 5.022,688 2.373.56.55 922,770.090	27,751,71: 7,20,51: 12,605,29; 98,686,99; 13,572,06; 428,553,23 57,879,500; 19,542,58; 2471,66; 256,631,01; 1,078,44; 24,657,97 803,786,181
2.347.079 95.238 1.413.841 10.957,487 294,892 5584,492 410,618 327.354 0.0 10.251.801 0.740,583 67,609,674	37,406,097 7,774,866 10,785,092 106,140,009 3,200,088 3,270,088 63,589,379 1,227,667 2,227,667 2,227,667 2,237,667 4,389,379 1,243,590,544 1,918,517 1,918,544 1,918,517 1,918,544 1,918,5	30.675.176 8.040.121 11.095.048 101.955.048 13.879.164 13.879.164 13.879.167 73.395.760 12.471,672 5.022,688 2.471,672 5.022,688 2.373.56.55 922,770.090	27,751,71: 7,20,51: 12,605,29; 98,686,99; 13,572,06; 428,553,23 57,879,500; 19,542,58; 2471,66; 256,631,01; 1,078,44; 24,657,97 803,786,181
2.347.079 95.238 1.413.841 10.957,487 294,892 5584,492 410,618 327.354 0.0 10.251.801 0.740,583 67,609,674	37,406,097 7,774,866 10,785,092 106,140,009 3,200,088 3,270,088 63,589,379 1,227,667 2,227,667 2,227,667 2,237,667 4,389,379 1,243,590,544 1,918,517 1,918,544 1,918,517 1,918,544 1,918,5	30.675.176 8.040.121 11.095.048 101.955.048 13.879.164 13.879.164 13.879.167 73.395.760 12.471,672 5.022,688 2.471,672 5.022,688 2.373.56.55 922,770.090	27,751,71: 7,20,51: 12,605,29; 98,686,99; 13,572,06; 428,553,23 57,879,500; 19,542,58; 2471,66; 256,631,01; 1,078,44; 24,657,97 803,786,181
2.347.079 95.238 1.413.841 10.957,487 294,892 5584,492 410,618 327.354 0.0 10.251.801 0.740,583 67,609,674	37,406,097 7,774,866 10,785,092 106,140,009 3,200,088 3,270,088 63,589,379 1,227,667 2,227,667 2,227,667 2,237,667 4,389,379 1,243,590,544 1,918,517 1,918,544 1,918,517 1,918,544 1,918,5	30.675.176 8.040.121 11.095.048 101.955.048 13.879.164 13.879.164 13.879.167 73.395.760 12.471,672 5.022,688 2.471,672 5.022,688 2.373.56.55 922,770.090	27,751,71: 7,920,51: 12,605,29
2.347.079 95.238 1.413.841 10.957,487 294,892 5584,492 410,618 327.354 0.0 10.251.801 0.740,583 67,609,674	37,406,097 7,774,866 10,785,092 106,140,009 3,200,088 3,270,088 63,589,379 1,227,667 2,227,667 2,227,667 2,237,667 4,389,379 1,243,590,544 1,918,517 1,918,544 1,918,517 1,918,544 1,918,5	30.675.176 8.040.121 11.095.048 101.955.048 13.879.164 13.879.164 13.879.167 73.395.760 12.471,672 5.022,688 2.471,672 5.022,688 2.373.56.55 922,770.090	27,751,71: 7,20,51: 12,605,29; 98,686,99; 13,572,06; 428,553,23 57,879,500; 19,542,58; 2471,66; 256,631,01; 1,078,44; 24,657,97 803,786,181
2.347.079 95.238 1.413.841 10.957,487 294,892 5584,492 410,618 327.354 0.0 10.251.801 0.740,583 67,609,674	37,406,097 7,774,866 10,785,092 106,140,009 3,200,088 3,270,088 63,589,379 1,227,667 2,227,667 2,227,667 2,237,667 4,389,379 1,243,590,544 1,918,517 1,918,544 1,918,517 1,918,544 1,918,5	30.675.176 8.040.121 11.095.048 101.955.048 13.879.164 13.879.164 13.879.167 73.395.760 12.471,672 5.022,688 2.471,672 5.022,688 2.373.56.55 922,770.090	27,751,71: 7,20,51: 12,605,29; 98,686,99; 13,572,06; 428,553,23 57,879,500; 19,542,58; 2471,66; 256,631,01; 1,078,44; 24,657,97 803,786,181
2.347.079 95.238 1.413.841 10.957,487 294,892 5584,492 410,618 327.354 0.0 10.251.801 0.740,583 67,609,674	37,406,097 7,774,866 10,785,092 106,140,009 3,200,088 3,270,088 63,589,379 1,227,667 2,227,667 2,227,667 2,237,667 4,389,379 1,243,590,544 1,918,517 1,918,544 1,918,517 1,918,544 1,918,5	30.675.176 8.040.121 11.095.048 101.955.048 13.879.164 13.879.164 13.879.167 73.395.760 12.471,672 5.022,688 2.471,672 5.022,688 2.373.56.55 922,770.090	27,751,71: 7,20,51: 12,605,29; 98,686,99; 13,572,06; 428,553,23 57,879,500; 19,542,58; 2471,66; 256,631,01; 1,078,44; 24,657,97 803,786,181
2.347.079 95.238 1.413.841 10.957,487 294,892 5584,492 410,618 327.354 0.0 10.251.801 0.740,583 67,609,674	37,406,097 7,774,866 10,785,092 106,140,009 3,200,088 3,270,088 63,589,379 1,227,667 2,227,667 2,227,667 2,237,667 4,389,379 1,243,590,544 1,918,517 1,918,544 1,918,517 1,918,544 1,918,5	30.675.176 8.040.121 11.095.048 101.955.048 13.879.164 13.879.164 13.879.167 73.395.760 12.471,672 5.022,688 2.471,672 5.022,688 2.373.56.55 922,770.090	27,751,71: 7,20,51: 12,605,29; 98,686,99; 13,572,06; 428,553,23 57,879,500; 19,542,58; 2471,66; 256,631,01; 1,078,44; 24,657,97 803,786,181
2.347.079 95.238 1.413.841 10.957,487 294,892 5584,492 410,618 327.354 0.0 10.251.801 0.740,583 67,609,674	37,406,097 7,774,866 10,785,092 106,140,009 3,200,088 3,270,088 63,589,379 1,227,667 2,227,667 2,227,667 2,237,667 4,389,379 1,243,590,544 1,918,517 1,918,544 1,918,517 1,918,544 1,918,5	30.675.176 8.040.121 11.095.048 101.955.048 13.879.164 13.879.164 13.879.167 73.395.760 12.471,672 5.022,688 2.471,672 5.022,688 2.373.56.55 922,770.090	27,751,71: 7,20,51: 12,605,29; 98,686,99; 13,572,06; 428,553,23 57,879,500; 19,542,58; 2471,66; 256,631,01; 1,078,44; 24,657,97 803,786,181
2.347.079 95.238 1.413.841 10.957,487 294,892 5584,492 410,618 327.354 0.0 10.251.801 0.740,583 67,609,674	37,406,097 7,774,866 10,785,092 106,140,009 3,200,088 3,270,088 63,589,379 1,227,667 2,227,667 2,227,667 2,237,667 4,389,379 1,243,590,544 1,918,517 1,918,544 1,918,517 1,918,544 1,918,5	30.675.176 8.040.121 11.095.048 101.955.048 13.879.164 13.879.164 13.879.167 73.395.760 12.471,672 5.022,688 2.471,672 5.022,688 2.373.56.55 922,770.090	27,751,71: 7,20,51: 12,605,29; 98,686,99; 13,572,06; 428,553,23 57,879,500; 19,542,58; 2471,66; 256,631,01; 1,078,44; 24,657,97 803,786,181
2.347.079 95.238 1.413.841 10.957,487 294,892 5584,492 410,618 327.354 0.0 10.251.801 0.740,583 67,609,674	37,406,097 7,774,866 10,785,092 106,140,009 3,200,088 3,270,088 63,589,379 1,227,667 2,227,667 2,227,667 2,237,667 4,389,379 1,243,590,544 1,918,517 1,918,544 1,918,517 1,918,544 1,918,5	30.675.176 8.040.121 11.095.048 101.955.048 13.879.164 13.879.164 13.879.167 73.395.760 12.471,672 5.022,688 2.471,672 5.022,688 2.373.56.55 922,770.090	27,751,71: 7,20,51: 12,605,29; 98,686,99; 13,572,06; 428,553,23 57,879,500; 19,542,58; 2471,66; 256,631,01; 1,078,44; 24,657,97 803,786,181
2.347.079 952.308 1.413.841 10.957.487 294.892 55.584.426 410.418 327.354 0 0 740.553 67,609,674	37,406,099 7,774,866 10,785,092 106,140,009 3,290,088 534,759,888 63,589,379 19,265,709 2,221,667 243,859,379 19,265,700 3,278,158	30.675.176 8.040.121 11.095.048 101.955.048 13.879.164 13.879.164 13.879.167 73.395.760 12.471,672 5.022,688 2.471,672 5.022,688 2.373.56.55 922,770.090	27,751,71,751,751,751,751,751,751,751,751

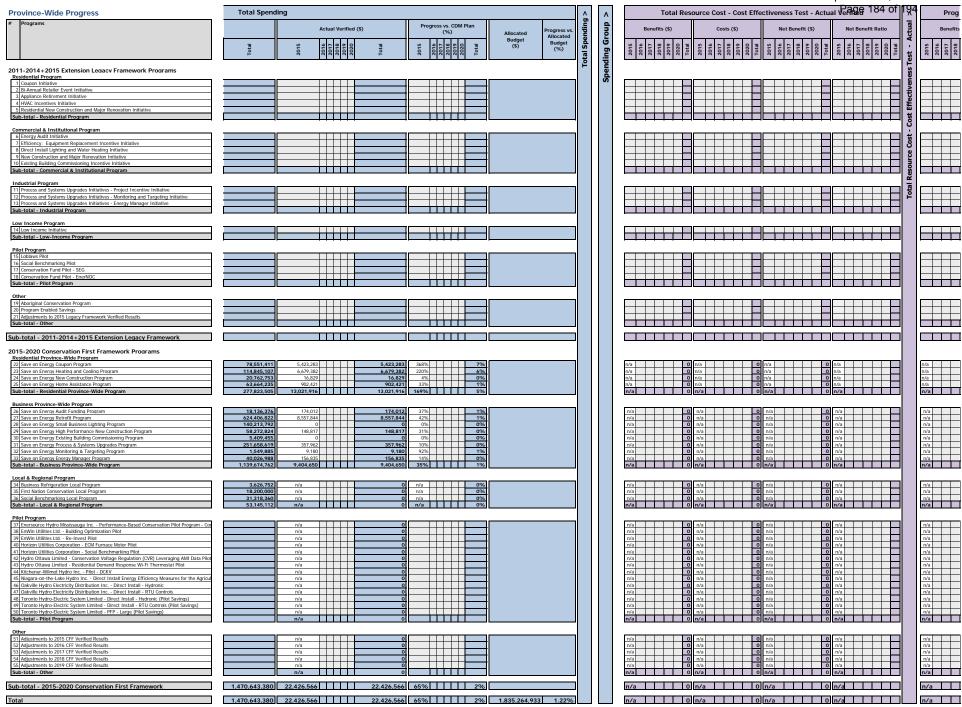
11-201-1-2015 Extension Locator Famouran Program 11-201-1-2015 Extension Loca	Province-Wide Progress	rds Net 2020	Annual Energy	y Savings Target -	(Contribution by Year)				^					Ne age	hemapfir39
Third Column	Programs	(kWh)			Actual Verifi	ed (kWh)	Allocated		arget			CDM Plan	Forecast Reported	(kWh)	
A		2019	2020	Total	2015 2016 2017 2018	2020 Total	Target (kWh)	Target	vings T	2015	2016	2017	2018	2019	2020
1 1 1 1 1 1 1 1 1 1	2011-2014+2015 Extension Legacy Framework Programs								gy Sa						
	1 Coupon Initiative								iner i						
The control of the	3 Appliance Retirement Initiative			317,807	0	0				1,420,382					
The content of the	5 Residential New Construction and Major Renovation Initiative			0	6,305,281	6,305,281				0					
	Commercial & Institutional Program														
	7 Efficiency: Equipment Replacement Incentive Initiative			421,370,270	648,322,776				502	421,370,270					
	8 Direct Install Lighting and Water Heating Initiative 9 New Construction and Major Renovation Initiative														
The continue in part within American Services (1994 (1995) 1995 (199				1,674,286	0	0			owar	1,924,286					
	dustrial Program								ss Te						
	Process and Systems Upgrades Initiatives - Project Incentive Initiative Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative				122,704,030	122,704,030			gre						
	Process and Systems Upgrades Initiatives - Energy Manager Initiative								Pro						
1985 1985	w Income Program			0.000.440	11 744 005	11.74/ 025			1	0.017.220					
Section Company Comp															
Comment of 19th 19th 19th 19th 19th 19th 19th 19th	iot Program Loblaws Pilot			0	8,311,388	8,311,388				0					
				0		0				0					
1.00	Conservation Fund Pilot - EnerNOC			0	0	0				0					
1 1 1 1 1 1 1 1 1 1				Ü	0,311,300	0,311,300									
Column C	Aboriginal Conservation Program			0						0					
	Adjustments to 2015 Legacy Framework Verified Results			0	0	0									
3-500 Control of First Frances A Provided Street And St				050 204 504					1	074 114 112					
Author A				736,274,374	1,033,763,332	1,033,763,332			1	774,114,113					
See of Engine Annie Wild Program 1,70,000 1,10,111 39,12,222 0 0 1,50,000 1,10,111	esidential Province-Wide Program 2 Save on Energy Coupon Program														43,216,37
1.00 to 10 for					0	0									27,814,75i 7,133,17
1369 127 12.03 128 13.05 127 12.03 128 13.05	Save on Energy Home Assistance Program														14,227,736 92,392,039
See on Engry Bend Horges 19-00 1			1												
24.00 107.78.25 107.78.2	Save on Energy Retrofit Program	423,763,890	419,628,306	2,397,042,988	19,147,625					55,584,426	534,759,858	534,753,270	428,553,238	423,763,890	419,628,30
102-00.071 112-02-007 102-02-01-002 0 0 0 0 0 0 0 0 0															
Second comparison Second program S	Save on Energy Existing Building Commissioning Program									10.251.801					
20,341,100 41,724,31 4,040,057,37 19,147,625 1	Save on Energy Monitoring & Targeting Program	356,288	178,144	15,681,808						0	9,045,544	5,023,688	1,078,144	356,288	178,14
Basiness Enforcements Local Program S15.637 S15.934 10.047.438 n/a 0 0 2.446.739 5.546.737 715.841 875.734 635.93 61.047.438 n/a 0 0 0 0 0 0 0 0 0	b-total - Business Province-Wide Program		641,724,331	4,040,075,379											641,724,331
1 Program 3,516,231 77,813,472 93,467,580 0 1 0 0 0 47,847,580 70,004,504 66,924,976 75,595,088 77,813,477 75,955,08	cal & Regional Program Business Refrigeration Local Program	825,631	635,934	10,047,438		0			1	0	2,448,730	5,548,937	715,884	875,784	635,93
Enterparts Hybrit Microbiangs Inc Performance-Based Conservation Pilot Program - Core (Mr. Utilines, List Budden Cyclin Lands 1	Social Benchmarking Local Program	1,588,200	76,350,738	78,459,342						0	44,571,820	63,353,167	65,106,690	73,526,874	826,800 76,350,738
Emergance Hydro Mississasiaga Inc Performance-Based Conservation Pilot Program - Co Environ Utilities Let J. Building Optimization Pilot		3,516,231	77,813,472	93,467,580	0	0				0	47,847,350	70,004,504	66,924,974	75,505,058	77,813,47
EMM-Utilises Ltd Re-Invest Pilot	Enersource Hydro Mississauga Inc Performance-Based Conservation Pilot Program - Cor				n/a	0									
Horizon Utilities Corporation - Social Benchmarking Plot Hydro Ottawa Limited - Conservation Unique Regulation (CVP) Leveraging AMI Data Plot Hydro Ottawa Limited - Conservation Unique Regulation (CVP) Leveraging AMI Data Plot Hydro Ottawa Limited - Conservation Plot Hydro Ottawa Limited - Conservation Plot Hydro Ottawa Limited - Conservation Plot Hydro Clear Limited - Proceeding Start Plot Install - Regular Start Plot	EnWin Utilities Ltd Re-Invest Pilot				n/a	0									
Hydro Clava Limited - Residential Demand Response Wi-Fi Thermostal Pilot Magaria-on-the-Lake Hydro Inc Pilot C Install - Energy Efficiency Measures for the Agrical All Magaria															
Number N	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot				n/a n/a	0									
Calculie Hydro Electricity Distribution Inc Orecet Install - Hydronic (Distribution Inc Orecet Install - Hydronic (Policity System Limited - Direct Install - Hydronic (Policity System Limited - Direct Install - Hydronic (Policit System Limited - Pirect Install - Hydronic (Pirect Install - Hydronic (Pirect Install - Hydro	Kitchener-Wilmot Hydro Inc Pilot - DCKV				n/a										
Toronto hydro-Electric System Limited - Drect Install - RTU Controls (Pilot Savings)	Oakville Hydro Electricity Distribution Inc Direct Install - Hydronic				n/a										
Transit hythor Electric System Limited - Direct Install - RTU Control (Pilet Sovings)					n/a n/a	0									
	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)				n/a	0									
Adjustments to 2015 CFF verified Results															
Adjustments to 2016 CFF Verified Results Adjustments to 2017 CFF Verified Results Adjustments to 2018 CFF Verified Resu	Adjustments to 2015 CFF Verified Results				n/a	0									
Adjustments to 2018 CFF Verified Results	Adjustments to 2016 CFF Verified Results				n/a	0						_			
b-total - 2015-2020 Conservation First Framework 802,433,817 811,929,842 4,639,250,988 61,506,291 0 0 0 0 61,506,291 79,478,737 1,062,943,773 1,100,229,652 969,998,162 874,422,654 811,929,842 79,478,737 1,062,943,773 1,002,943	Adjustments to 2018 CFF Verified Results				n/a	0									
al 802,433,817 811,929,842 5,597,545,582 1,117,489,823 0,0 0,0 0 1,117,489,823 6,999,900,00 15,96% 1,053,592,850 1,062,943,773 1,100,229,652 969,998,162 874,422,654 811,929,842	o-total - 2015-2020 Conservation First Framework	802,433,817	811,929,842	4,639,250,988	61,506,291 0 0 0	61,506,291				79,478,737	1,062,943,773	1,100,229,652	969,998,162	874,422,654	811,929,842
	tal	802,433,817	811,929,842	5,597,545,582	1,117,489,823 0 0 0	0 0 1,117,489,823	6,999,990,00	0 15.96%		1,053,592,850	1,062,943,773	1,100,229,652	969,998,162	874,422,654	811,929,842

Province-Wide Progress	ear Energy Savir	ngs		٨			Net I	ncremental	First Year Pe	eak Demand Savings	Page 180 of 194	
# Programs		Actual Verified (kWh)	Annual Cumulative Progress vs. CDM Plan	ngs		CDM Plan	Forecast Reported	I (kW)		Actual Verified (kW)	Progress vs. CDM Plan	ngs
		Actual Verified (KWII)	(%)	avi .		CDW Flair	rorecast Reporter	(KW)		Actual verified (kw)	(%)	Real
	Total	2015 2016 2017 2018 2019 2020	2015 2016 2017 2018 2019 2019 2020	ergy 5	2015	2016	2018	2019	Total	2015 2016 2017 2018 2019 2020 2020	2015 2016 2017 2018 2019 2020 Total	2015
2011-2014+2015 Extension Legacy Framework Programs Residential Program		•	•	ar En						•		k Dem
1 Coupon Initiative	21,145,720	50,267,679 74,495,781	50,267,679 238% 2389	r e	1,426				1,426	3,285 3,28	5 230% 230%	100%
2 Bi-Annual Retailer Event Initiative 3 Appliance Retirement Initiative	28,087,320 1,420,382	74,495,781 6,231,034	74,495,781 265% 2659 6,231,034 439% 4399	% ≟	1,917 1,036				1,917 1,036	5,100 5,10 1,027 1,02	7 99% 99%	100%
4 HVAC Incentives Initiative 5 Residential New Construction and Major Renovation Initiative	35,159,491	45,965,427 6,305,281	45,965,427 131% 131% 6,305,281	<u>ا ا</u>	20,618				20,618	24,035 24,03 1,113 1,11		100%
Sub-total - Residential Program	85,812,913	183,265,202	183,265,202 214% 2149	ment	24,997				24,997	34,560 34,56		First
Commercial & Institutional Program 6 Energy Audit Initiative	11,116,083	26,333,804	26,333,804 237% 237%	cre	1,821				1,821	5,614 5,61	4 308% 308%	100%
7 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Heating Initiative	421,370,270 61,191,201	653,480,201 50,394,978	653,480,201 155% 1559 50,394,978 82% 829		70,109 16,601				70,109 16,601	93,596 93,59 11,893 11,89		99%
New Construction and Major Renovation Initiative	29,093,852	22,022,383	22,022,383 76% 769	» e	5,495				5,495	5,222 5,22	2 95% 95%	5 98%
10 Existing Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program	1,924,286 524,695,692	947,849 753,179,215	947,849 49% 499 753,179,215 144% 1449		783 94,809				783 94,809	437 43 116,762 116,76		100%
Industrial Program												ž
Process and Systems Upgrades Initiatives - Project Incentive Initiative Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	331,806,287 1,256,288	122,704,030 1,369,000	122,704,030 37% 379 1,369,000 109% 1099		44,236 143				44,236 143	13,649 13,64	9 31% 31% 0 0% 0%	100%
13 Process and Systems Upgrades Initiatives - Energy Manager Initiative	21,625,594	35,834,323	35,834,323 166% 1669	%	3,791				3,791	7,590 7,59	0 200% 200%	100% 101%
Sub-total - Industrial Program	354,688,169	159,907,353	159,907,353 45% 45%	%	48,170				48,170	21,239 21,23	9 44% 44%	
Low Income Program 14 Low Income Initiative	8,917,339	14,906,764	14,906,764 167% 1679		7,758				7,758	2,225 2,22	5 29% 29%	87%
Sub-total - Low-Income Program	8,917,339	14,906,764	14,906,764 167% 1679	%	7,758				7,758	2,225 2,22	5 29% 29%	
Pilot Program 15 Loblaws Pilot	0	8,311,388	8,311,388		0				0	724 72	4	100%
16 Social Benchmarking Pliot 17 Conservation Fund Pilot - SEG	0	17,391,939	17,391,939		0				0	1,649 1,64 1,055 1,05	9	100%
18 Conservation Fund Pilot - SEG 18 Conservation Fund Pilot - EnerNOC	0	11,772,874 328,828	11,772,874 328,828		0				0	0	0	107%
Sub-total - Pilot Program	0	37,805,029	37,805,029		0				0	3,428 3,42	8	
Other 19 Aboriginal Conservation Program	0	3,627,223	3,627,223	- 1	0				0	625 62	5	75%
20 Program Enabled Savings 21 Adjustments to 2015 Legacy Framework Verified Results	0	16,255,915	16,255,915		n/a n/a				0	1,145	5	87%
21 Adjustments to 2015 Legacy Framework Verified Results Sub-total - Other	0	19,883,138	19,883,138		n/a 0				0	1,770 1,77		75% 87% 100%
Sub-total - 2011-2014+2015 Extension Legacy Framework	974,114,113	1,168,946,701	1,168,946,701 120% 120%	6	175,734				175,734	179,984 179,98	4 102% 102%	
2015-2020 Conservation First Framework Programs					l							
Residential Province-Wide Program 22 Save on Energy Coupon Program	247,765,298	31.459.586	31,459,586 504% 139	<u>.</u>	416	3,539 3,685	3,569	3,248 3	,090 17,547	2,025 2,02	5 487% 12%	100%
23 Save on Energy Heating and Cooling Program	154,290,208	10,181,961	10,181,961 434% 79	%	1,806	18,347 13,914	11,980	12,104 11	,834 69,985	5,322 5,32	2 295% 8%	100% 100%
24 Save on Energy New Construction Program 25 Save on Energy Home Assistance Program	39,122,792 64,568,034	1,145,792	0 0% 09 1,145,792 81% 29	% %	87 313	1,393 1,375 6,559 6,435			,408 7,049 ,215 32,062	0 213 21	0 0% 0% 3 68% 1%	100% 94%
Sub-total - Residential Province-Wide Program	505,746,332	42,787,339	42,787,339 390% 89			29,838 25,409			547 126,643	7,560 7,56		
Business Province-Wide Program				_	l ———							
26 Save on Energy Audit Funding Program 27 Save on Energy Retrofit Program	69,118,862 2,397,042,988	162,592 19,243,297	162,592 14% 09 19,243,297 35% 19		205 9,937	2,241 2,394 80,144 83,912	2,357		,015 11,490 ,359 387,723	35 3 2,828 2,82	5 17% 0% 8 28% 1%	100% 96%
28 Save on Energy Small Business Lighting Program	288,681,110	0	0 0% 09	%	119	16,459 18,087	14,685	12,429 12	,219 73,998	0	0 0% 0%	100%
Save on Energy High Performance New Construction Program Save on Energy Existing Building Commissioning Program	101,912,908 12,108,335	0	0 0% 09		44	4,202 4,316 945 1,057			,149 21,555 ,057 5,173	0	0 0% 0%	100% 100%
31 Save on Energy Process & Systems Upgrades Program	1,053,065,336	0	0 0% 09		1,221	29,166 28,760			,277 122,850	0	0 0% 0%	100%
32 Save on Energy Monitoring & Targeting Program 33 Save on Energy Energy Manager Program	15,681,808 117,549,783	0	0 0% 09		90	1,323 503 3,581 3,673	3,816		20 2,010 ,673 18,649	0	0 0% 0 0%	100% 100%
Sub-total - Business Province-Wide Program	4,055,161,130	19,405,889	19,405,889 28% 09	%	11,616 1	138,061 142,702	125,347 1	15,953 109,	769 643,448	2,863 2,86	3 25% 0%	
Local & Regional Program 34 Business Refrigeration Local Program	10,225,269	n/a	0 n/a 09	%	0	333 755	94	114	84 1,380	n/a	0 n/a 0%	n/a
35 First Nation Conservation Local Program	4,960,800	n/a	0 n/a 09		0	131 175 7.426 9.895			131 787 .925 51.175	n/a	0 n/a 0%	n/a n/a
36 Social Benchmarking Local Program Sub-total - Local & Regional Program	322,909,289 338,095,358	n/a	0 n/a 09 0 n/a 09	% %	0	7,426 9,895 7,890 10,825	10,585		,925 51,175 140 53,342	n/a 0	0 n/a 0% 0 0%	IIVa
Pilot Program 37 Enersource Hydro Mississauga Inc Performance-Based Conservation Pilot Program - Cor		n/a	0		l 					n/a		n/a
38 EnWin Utilities Ltd Building Optimization Pilot		n/a	0							n/a	0	n/a
39 EnWin Utilities Ltd Re-Invest Pilot		n/a n/a	0	-						n/a n/a	0	n/a
40 Horizon Utilities Corporation - ECM Furnace Motor Pilot 41 Horizon Utilities Corporation - Social Benchmarking Pilot		n/a	0							n/a	0	n/a n/a
42 Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot 43 Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot		n/a n/a	0							n/a n/a	0	n/a n/a
44 Kitchener-Wilmot Hydro Inc Pilot - DCKV		n/a	0							n/a	0	n/a
Niagara-on-the-Lake Hydro Inc Direct Install Energy Efficiency Measures for the Agricul Oakville Hydro Electricity Distribution Inc Direct Install - Hydronic		n/a n/a	0	-						n/a	0	n/a
46 Oakville Hydro Electricity Distribution Inc Direct Install - Hydronic 47 Oakville Hydro Electricity Distribution Inc Direct Install - RTU Controls		n/a n/a	0							n/a n/a	0	n/a n/a
48 Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)		n/a	0	-						n/a	0	n/a
49 Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings) 50 Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)		n/a	0							n/a	0	n/a n/a
Sub-total - Pilot Program		0	0							0	0	
Other 51 Adjustments to 2015 CFF Verified Results		n/a	0							n/a n/a	0	n/a
52 Adjustments to 2016 CFF Verified Results 53 Adjustments to 2017 CFF Verified Results		n/a n/a n/a	0	-						n/a n/a	0	n/a n/a n/a
54 Adjustments to 2018 CFF Verified Results		n/a	0							n/a n/a n/a	0	n/a n/a n/a
55 Adjustments to 2019 CFF Verified Results Sub-total - Other		n/a	0	-1						n/a 0	0	n/a
Sub-total - 2015-2020 Conservation First Framework	4,899,002,820		62,193,228 78% 19							10,423 10,423	<u></u>	
Total	5,873,116,933	1,231,139,929 1	1,231,139,929 117% 219	6	189,972 17	75,789 178,936	159,196 15	0,818 144,4	999,167	190,407 190,40	7 100% 19%	

Programs 2011-2014+2015 Extension Legacy Framework Programs Residential Program 1 Coupon Initiative 2 Bi-Annual Retailer Event Initiative 3 Applance Reterment Initiative 4 HWC Incentives Initiative 5 Residential Program 6 Energy Audit Initiative Commercial & Institutional Program 6 Energy Audit Initiative 9 Efficiency: Equipment Replacement Incentive Initiative 9 Efficiency: Equipment Replacement Incentive Initiative 9 Reve Construction and Major Renovation Initiative 10 Existing Budding Commissioning Incentive Initiative 9 New Construction and Major Renovation Initiative 10 Existing Budding Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program Industrial Program Industrial Program Industrial Program		O-Gross and Realization R yy Savings Net-to-Gross (%) SE	Demar Realization Rate (%)	Verified and Savings Net-to-Gross (%) Net-to-Gross (%) Savings Net-to-Gross (%) Savings Net-to-Gross (%) Net-to-G	Adjustments - Actual >	A ctual Verified (kWh) A ctual Verified (k	2,000	Actual Verified		Total
2011-2014+2015 Extension Leaacv Framework Programs Residential Program 1 Coupon Indiative 2 Bis-Annua Retailer Event Initiative 3 Appliance Returnment Initiative 4 HVAC Incentives Initiative 5 Residential New Construction and Major Renovation Initiative Sub-clotal - Residential Program Commercial & Institutional Program Commercial & Institutional Program 4 Energy Audit Initiative 7 Efficiency: Equipment Replacement Incentive Initiative 9 New Construction and Major Renovation Initiative 9 New Construction and Major Renovation Initiative 10 Existing Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program Industrial Program Industrial Program Industrial Program Industrial Program Information Application Initiative 1 Process and Systems Upgrades Initiatives - Project Incentive Initiative	ation Rate (%)	Net-to-Gross (%) 10	Realization Rate (%) 8	Net-to-Gross (%) 10	Adjustments -	2010 2010 2010 2010 2010 2010 2010 2010	2,000 3,101		· <i>'</i>	
Residential Program 1 Coupon Initiative 2 Bi-Annual Relatier Event Initiative 3 Appliance Retirement Initiative 4 HMAC Incentives Initiative 5 Residential New Construction and Major Renovation Initiative 5 Residential Program Commercial & Institutional Program 6 Energy Audit Initiative 7 Efficiency Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Heating Initiative 9 New Construction and Major Renovation Initiative 10 Estiting Building Commissioning Incentive Initiative 5 Sub-total - Commercial & Institutional Program Industrial Program 1 Process and Systems Upgrades Initiatives - Project Incentive Initiative		164% 164% 47% 51% 49% 49% 49% 49% 49% 49%	100% 100% 100% 100% 100% 100%	164% 164% 164% 164% 46% 51%	Adjustments -	2010 2010 2010 2010 2010 2010 2010 2010	2,000 3,101	2017	2020	
Residential Program 1 Coupon Initiative 2 Bi-Annual Retailer Event Initiative 3 Appliance Retirement Initiative 4 HNAC Incentives Initiative 5 Residential New Construction and Major Renovation Initiative 5 Residential Program Commercial & Institutional Program 6 Energy Audit Initiative 7 Efficiency: Equipment Replacement Incentive Initiative 9 New Construction and Major Renovation Initiative 10 Issuing Building Commissioning Incentive Initiative 9 New Construction and Major Renovation Initiative 5 Ub-total - Commercial & Institutional Program Industrial Program 11 Process and Systems Upgrades Initiatives - Project Incentive Initiative		164% 164% 47% 51% 49% 49% 49% 49% 49% 49%	100% 100% 100% 100% 100% 100%	164% 164% 46% 51% 49%	Adjust	30,609,961 45,290,557 45,290,557	2,000 3,101	50 20	50 20	
Residential Program 1 Coupon Intalative 2 IB-Annual Retailer Event Initiative 3 Appliance Retirement Initiative 4 IHVAC Incentives Initiative 5 Residential New Construction and Major Renovation Initiative 5 Residential Program Commercial & Institutional Program 6 Energy Audit Initiative 7 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Heating Initiative 9 New Construction and Major Renovation Initiative 10 Existing Building Commissioning Incentive Initiative 5 User Construction and Major Renovation Initiative Sub-total - Commercial & Institutional Program Industrial Program Industrial Program 11 Process and Systems Upgrades Initiatives - Project Incentive Initiative		164% 47% 51% 49% 49% 77% 77% 77%	100% 100% 100% 187%	46% 51% 49%	Adjust	30,609,961 30,609,961 45,290,557 45,290,557	3,101			
1 Coupon Initiative 2 Bi-Annual Retailer Event Initiative 3 Applance Retirement Initiative 4 HAMC Incentives Initiative 5 Residential New Construction and Major Renovation Initiative 5 Residential New Construction and Major Renovation Initiative Sub-total - Residential Program 6 Energy Audit Initiative 7 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Heating Initiative 9 New Construction and Major Renovation Initiative 10 Listing Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program Industrial Program Industrial Program Industrial Programs		164% 47% 51% 49% 49% 77% 77% 77%	100% 100% 100% 187%	46% 51% 49%	Adju	45,290,557 45,290,557 to	3,101			
3 Applance Retirement Initiative 4 HMAC Incentives Initiative 5 Residential New Construction and Major Renovation Initiative Sub-total - Residential Program Commercial & Institutional Program 6 Energy Audit Initiative 7 Efficiency, Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Heating Initiative 9 New Construction and Major Renovation Initiative 10 Lisking Buding Commissionily Incentive Initiative Sub-total - Commercial & Institutional Program Industrial Program Industrial Program Industrial Programs		47% 51% 49% 49% 47% 47% 47% 47% 47% 47% 47% 47% 47% 47	100% 100% 187%	46% 51% 49%	< □					2,000 3,101
S Residential New Construction and Major Renovation Initiative Sub-total - Residential Program Sense of the Residential Program Sense of the Residential Program Sense of the Replacement Incentive Initiative Sense of the Replacement Incentive Initiative Solved Institution and Major Renovation Initiative Solved Institution and Major Renovation Initiative Sub-total - Commercial & Institutional Program Industrial Program Industrial Program Industrial Program Industrial Program		89% 77%	187%	51% 49%	E E	13,310,542	2,256			2,256
Commercial & Institutional Program 6 Energy Audit Institution 7 Efficiency: Euginemen Replacement Incentive Institutive 8 Direct Install Lighting and Water Heating Institutive 9 New Construction and Major Renovation Institutive 10 Existing Building Commissioning Incentive Institution 10 Existing Building Commissioning Incentive Institution Sub-total - Commercial & Institutional Program Industrial Program 11 Process and Systems Upgrades Initiatives - Project Incentive Initiative		89% 77%			Rate	90,971,430 90,971,430 12,752,074 12,752,074 5	47,588 2,263			47,588 2,263
6 Energy Audit Initiative 7 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Heating Initiative 10 Existing Building Commissioning Incentive Initiative 10 Existing Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program Industrial Program 11 Process and Systems Upgrades Initiatives - Project Incentive Initiative		77%		<u> </u>	tion	192,934,564 192,934,564	57,208			57,208
7 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Healing Initiative 9 New Construction and Major Renovation Initiative 10 Esisting Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program Industrial Program 11 Process and Systems Upgrades Initiatives - Project Incentive Initiative		77%	100%	89%	TO .	29,536,555 29,536,555 29,536,555	6,296			6,296
9 New Construction and Major Renovation Initiative 10 Existing Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program Industrial Program 11 Process and Systems Upgrades Initiatives - Project Incentive Initiative		89%	90%	76%	Realiz	851,918,970	122,480			122,480
Sub-total - Commercial & Institutional Program Industrial Program It Process and Systems Upgrades Initiatives - Project Incentive Initiative		54%	59% 92%	87% 54% 92%	and	56,889,848 56,889,848 40,729,120 40,729,120 C	13,676 9,656			13,676 9,656
11 Process and Systems Upgrades Initiatives - Project Incentive Initiative		95%	137%	92%	SS 2	999,323 999,323 999,323 999,323 999,323 999,323	475 152,583			475 152,583
11 Process and Systems Upgrades Initiatives - Project Incentive Initiative		•	.,		6		•			
12 Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative		80% 100%	94%	100%	Net-to-	152,701,395 1,369,000 1,369,000 1,369,000	17,026			17,026
13 Process and Systems Upgrades Initiatives - Energy Manager Initiative		75%	115%	81%	N S	47,779,097	9,370			9,370
Sub-total - Industrial Program		<u> </u>	<u> </u>		ا ا ا	201,849,492 201,849,492	26,396			26,396
Low Income Program 14 Low Income Initiative		100%	95%	100%		14,906,764	2,225			2,225
Sub-total - Low-Income Program						14,906,764	2,225			2,225
Pilot Program 15 Loblaws Pilot		100%	100%	100%	П	8,311,388	724			724
16 Social Benchmarking Pliot 17 Conservation Fund Pilot - SEG		99%	100%	100% 99% 100%		17,572,400 11,772,874 11,772,874	1,661 1,055			1,661 1,055
18 Conservation Fund Pilot - EnerNOC		64%	100%	100%		516,430 516,430	0			0
Sub-total - Pilot Program						38,173,092 38,173,092	3,440			3,440
Other 19 Aboriginal Conservation Program		100%	84%	100%	lIг	3,627,223 3,627,223	625			625
20 Program Enabled Savings 21 Adjustments to 2015 Legacy Framework Verified Results		75%	72% 100%	75%		21,581,829 21,581,829	1,517			1,517
Sub-total - Other		10070	100.70	10070		25,209,052 25,209,052	2,142			2,142
Sub-total - 2011-2014+2015 Extension Legacy Framework						1,453,146,780 1,453,146,780	243,994			243,994
2015-2020 Conservation First Framework Programs										
Residential Province-Wide Program 22 Save on Energy Coupon Program		162%	100%	162%	l Ir	19,373,413	1,247			1,247
23 Save on Energy Heating and Cooling Program 24 Save on Energy New Construction Program		56%	100%	162% 56% 100%		18,146,542	9,482			9,482
25 Save on Energy Home Assistance Program		100%	97%	100%		1,145,792 1,145,792 38,665,747 38,665,747	213 10,942			213 10,942
Sub-total - Residential Province-Wide Program						38,665,747	10,942			10,942
Business Province-Wide Program 26 Save on Energy Audit Funding Program		98%	100%	100%		165,936	35			35
27 Save on Energy Retrofit Program 28 Save on Energy Small Business Lighting Program		76% 100%	81% 100%	75% 100%		25,397,914 25,397,914	3,752			3,752
Save on Energy High Performance New Construction Program Save on Energy Existing Building Commissioning Program		100%	100% 100%	100% 100% 100%		0 0	0			0
31 Save on Energy Process & Systems Upgrades Program		100%	100%	100%		0 0	0			0
32 Save on Energy Monitoring & Targeting Program 33 Save on Energy Energy Manager Program		100%	100%	100% 100% 100%		0 0	0			0
Sub-total - Business Province-Wide Program						25,563,850 25,563,850	3,787			3,787
Local & Regional Program 34 Business Refrigeration Local Program		n/a	n/a	n/a	l Ir	n/a 0	n/a			0
35 First Nation Conservation Local Program		n/a	n/a	n/a		n/a 0	n/a n/a			0
36 Social Benchmarking Local Program Sub-total - Local & Regional Program		n/a	n/a	n/a		n/a 0 0	0			0
Pilot Program		1								
Enersource Hydro Mississauga Inc Performance-Based Conservation Pilot Program - Cor EnWin Utilities Ltd Building Optimization Pilot		n/a n/a	n/a n/a	n/a n/a		n/a 0 n/a 0	n/a n/a			0
EnWin Utilities Ltd Re-Invest Pilot Horizon Utilities Corporation - ECM Furnace Motor Pilot		n/a	n/a	n/a		n/a 0 n/a 0	n/a n/a			0
41 Horizon Utilities Corporation - Social Benchmarking Pilot		n/a	n/a	n/a		n/a 0	n/a			0
 42 Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot 43 Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot 		n/a n/a n/a	n/a n/a n/a	n/a		n/a 0 n/a 0	n/a n/a			0
44 Kitchener-Wilmot Hydro Inc Pilot - DCKV 45 Niagara-on-the-Lake Hydro Inc Direct Install Energy Efficiency Measures for the Agricul		n/a n/a	n/a n/a	n/a n/a	I IF	n/a 0 n/a 0	n/a n/a			0
46 Oakville Hydro Electricity Distribution Inc Direct Install - Hydronic 47 Oakville Hydro Electricity Distribution Inc Direct Install - RTU Controls		n/a n/a	n/a n/a	n/a n/a		n/a 0 n/a 0	n/a n/a			0
48 Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)		n/a	n/a	n/a		n/a 0	n/a			0
Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings) Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)		n/a n/a	n/a l	n/a n/a		n/a 0 n/a 0	n/a n/a			0
Sub-total - Pilot Program						0 0	0			0
Other 51 Adjustments to 2015 CFF Verified Results		n/a	n/a	n/a	П	n/a 0	n/a			0
52 Adjustments to 2016 CFF Verified Results 53 Adjustments to 2017 CFF Verified Results		n/a n/a	n/a n/a	n/a		n/a 0 n/a 0	n/a n/a			0
54 Adjustments to 2018 CFF Verified Results		n/a	n/a	n/a n/a n/a		n/a 0	n/a			0
55 Adjustments to 2019 CFF Verified Results Sub-total - Other		n/a	n/a	n/a		n/a 0 0	n/a O			0
Sub-total - 2015-2020 Conservation First Framework						64,229,597	14,729			14,729
Total						1,517,376,377	258,723			258,723

													3-2016-0094
D. C. Will D.					D4		i Caradian						ber 26, 2016 e 182 of 194
Province-Wide Progress # Programs						cipant Incent	ive Spending			Progress vs. CDM Plan	- ding >	, ag	- 102 01 10 1
# Programs				DM Plan Forecast (\$)				Actual Verified (\$)		(%)			1
) sgr	2015	2016	2017	2018	2019	2020	Total	2015 2016 2017 2019 2020	Total	2015 2016 2017 2018 2019 2020	ve Spe	2015	2016
2011-2014+2015 Extension Legacy Framework Programs			•		•	•					centive		•
Residential Program 1 Coupon Initiative 2 Bit-Annual Retailer Event Initiative													
3 Appliance Retirement Initiative 4 HVAC Incentives Initiative											Participant In		
5 Residential New Construction and Major Renovation Initiative Sub-total - Residential Program											Part		
Commercial & Institutional Program 6 Energy Audit Initiative											_		
7 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Heating Initiative													
9 New Construction and Major Renovation Initiative 10 Existing Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program													
Industrial Program						•							•
11 Process and Systems Upgrades Initiatives - Project Incentive Initiative 12 Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative													
13 Process and Systems Upgrades Initiatives - Energy Manager Initiative Sub-total - Industrial Program													
Low Income Program 14 Low Income Initiative													
Sub-total - Low-Income Program Pilot Program													ļ.
15 Loblaws Pilot 16 Social Benchmarking Pilot													
17 Conservation Fund Pilot - SEG 18 Conservation Fund Pilot - EnerNOC													
Sub-total - Pilot Program Other													
19 Aboriginal Conservation Program 20 Program Enabled Savings													
21 Adjustments to 2015 Legacy Framework Verified Results Sub-total - Other													
Sub-total - 2011-2014+2015 Extension Legacy Framework													
2015-2020 Conservation First Framework Programs Residential Province-Wide Program										1	_		1
22 Save on Energy Coupon Program 23 Save on Energy Heating and Cooling Program 24 Save on Energy New Construction Program	836,741 2,615,502 213,491	6,478,003 24,495,755 2,656,350	6,233,444 16,817,561 2,670,989	6,084,964 14,735,952 2,701,863	5,786,556 15,030,616 2,467,819	5,646,296 14,705,075 2,485,918	31,066,005 88,400,460 13,196,430	3,845,994 6,213,250 0	3,845,994 6,213,250		2% 7% 0%	638,410 420,606 255,177	8,428,919 10,273,194 5,847,820 5,545,394 1,551,259 1,496,832
25 Save on Energy Home Assistance Program Sub-total - Residential Province-Wide Program	953,840 4,619,575	4,998,085 38,628,192	4,991,410 30,713,404	5,202,197 28,724,976	5,612,890 28,897,881	5,544,666 28,381,955	27,303,088 159,965,983	753,158 10,812,402	753,158 10,812,402	79%	3%	1,755,621 3,069,814	7,045,133 7,252,528 22,873,132 24,567,948
Business Province-Wide Program 26 Save on Energy Audit Funding Program	153.359	1.542.753	1.615.699	1.613.407	1,557,753	1.431.535	7,914,505	6.420	6.420	4%	004	314.965	1,944,277 1,964,949
27 Save on Energy Retrofit Program 28 Save on Energy Small Business Lighting Program	9,410,310 145,692	94,346,939 19,229,226	92,472,903 21,773,089	73,478,459 18,397,746	71,418,770 15,183,151	70,706,271 14,973,435	411,833,652 89,702,340	2,662,418 0	2,662,418	28%	1% 0%	11,005,756 321,264	40,215,167 39,404,225 11,971,386 12,887,559
29 Save on Energy High Performance New Construction Program 30 Save on Energy Existing Building Commissioning Program	107,329	8,376,038 773,313	8,454,289 773,313	8,390,473 773,313	8,890,399 773,313	8,232,746 773,313	42,451,274 3,866,567	0 0	0	0%	0%	366,994 25,314	2,907,933 3,019,009 302,183 299,453
31 Save on Energy Process & Systems Upgrades Program 32 Save on Energy Monitoring & Targeting Program 33 Save on Energy Energy Manager Program	2,029,498 0 600,000	49,178,059 487,500 3,176,551	53,219,433 300,000 3,296,566	52,890,240 112,500 3,511,926	33,685,450 75,000 3,431,940	24,985,194 37,500 3,243,954	215,987,874 1,012,500 17,260,937	16,893	16,893 0		0% 0% 0%	1,538,726 10,000 484,790	6,647,149 6,490,249 134,879 137,772 4,394,908 4,411,791
Sub-total - Business Province-Wide Program	12,446,188	177,110,380	181,905,292	159,168,064	135,015,776	124,383,950	790,029,649	2,685,731	2,685,731	22%	0%	14,067,809	68,517,881 68,615,007
Local & Regional Program 34 Business Refrigeration Local Program	0	650,292 1.500.000	1,495,462 2.000.000	75,000 2,000,000	100,000	62,500 1,500,000	2,383,254 9,000,000	n/a	0	n/a (0%	173,152	251,773 669,769 1,700,000 2,000,000
35 First Nation Conservation Local Program 36 Social Benchmarking Local Program Sub-total - Local & Regional Program	0	0 2,150,292	3,495,462	150,000 2,225,000	510,000 2,610,000	1,050,000 1,050,000 2,612,500	1,710,000 13,093,254	n/a	0	n/a	0%	119,166 292,318	4,957,207 5,814,158 6,908,980 8,483,927
Pilot Program									_				
37 Enersource Hydro Mississauga Inc Performance-Based Conservation Pilot Program - Cor 38 EnWin Utilities Ltd Building Optimization Pilot 39 EnWin Utilities Ltd Re-Invest Pilot								n/a n/a n/a	0				
40 Horizon Utilities Corporation - ECM Furnace Motor Pilot 41 Horizon Utilities Corporation - Social Benchmarking Pilot								n/a n/a	0				
42 Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot 43 Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot 44 Kitchener-Wilmot Hydro Inc Pilot - DCKV								n/a n/a	0				
44 Nituremen-viminor ryum inc rinot - U.C.v. 45 Nigara-on-the-Lake Hydro Inc Direct Install Energy Efficiency Measures for the Agricul 46 Oakville Hydro Electricity Distribution Inc Direct Install - Hydronic								n/a n/a n/a	0				
47 Oakville Hydro Electricity Distribution Inc Direct Install - RTU Controls 48 Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)								n/a n/a	0				
49 Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings) 50 Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings) Sub-total - Pilot Program								n/a	0				
Other 51 Adjustments to 2015 CFF Verified Results								n/a n/a	0				
52 Adjustments to 2016 CFF Verified Results 53 Adjustments to 2017 CFF Verified Results 54 Adjustments to 2018 CFF Verified Results								n/a	0				
55 Adjustments to 2019 CFF Verified Results Sub-total - Other								n/a n/a n/a	0				
Sub-total - 2015-2020 Conservation First Framework	17,065,763	217,888,864	216,114,158	190,118,040	166,523,657	155,378,405	963,088,886	13,498,133	13,498,133	79% 1	%	17,429,941	98,299,992 101,666,881
Total	17,065,763	217,888,864	216,114,158	190,118,040	166,523,657	155,378,405	963,088,886	13,498,133	13,498,133	79% 1	%	17,429,941	98,299,992 101,666,881

Province-Wide Progress		Admi	nistrative Expe	nse Spending			^					Page 18	33 of 194
# Programs	CDM Plan Forecast	(\$)			Actual Verified (\$)	Progress vs. (%)	CDM Plan				CDM Plan Forecast (\$)	
	2018	2019	2020	Total	2015 2016 2017 2018 2019 2020	Total 2015 2016 2017 2018	2020 2020 Total	2015	2016	2017	2018	2019	2020
2011-2014+2015 Extension Legacy Framework Programs Residential Program							Fyner						
1 Coupon Initiative 2 Bi-Annual Retailer Event Initiative 3 Appliance Retirement Initiative							#						
Appliance retirement initiative HVAC Incentives Initiative Residential New Construction and Major Renovation Initiative							Administrative						
Sub-total - Residential Program Commercial & Institutional Program							11						
6 Energy Audit Initiative 7 Efficiency: Equipment Replacement Incentive Initiative													
Direct Install Lighting and Water Heating Initiative New Construction and Major Renovation Initiative													
10 Existing Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program													
Industrial Program 11 Process and Systems Upgrades Initiatives - Project Incentive Initiative 12 Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative													
13 Process and Systems Upgrades Initiatives - Energy Manager Initiative Sub-total - Industrial Program													
Low Income Program 14 Low Income Initiative													
Sub-total - Low-Income Program Pilot Program													
15 Loblaws Pilot 16 Social Benchmarking Pilot													
17 Conservation Fund Pilot - SEG 18 Conservation Fund Pilot - EnerNOC Sub-total - Pilot Program													
Other													
19 Aboriginal Conservation Program 20 Program Enabled Savings 21 Adjustments to 2015 Legacy Framework Verified Results													
Sub-total - Other													
Sub-total - 2011-2014+2015 Extension Legacy Framework 2015-2020 Conservation First Framework Programs													
Residential Province-Wide Program 22 Save on Energy Coupon Program	10,250,022	9,306,555	8,588,305	47,485,406	1,577,289	1,577,289 247%	3%		75,151 14,906,922	16,506,638	16,334,987	15,093,111	14,234,601
23 Save on Energy Heating and Cooling Program 24 Save on Energy New Construction Program 25 Save on Energy Home Assistance Program	4,852,144 1,498,192 7,032,346	4,933,782 1,386,160 6.736,996	4,844,901 1,378,703 6,538,523	26,444,647 7,566,322 36,361,147	466,132 16,829 149,262	466,132 111% 16,829 7% 149,262 9%	2% 0% 0%	44	36,108 30,343,575 58,668 4,207,609 19,461 12,043,218	22,362,955 4,167,821 12,243,938	19,588,095 4,200,055 12,234,543	19,964,398 3,853,979 12,349,886	19,549,976 3,864,621 12.083.188
Sub-total - Residential Province-Wide Program	23,632,703	22,363,494	21,350,432	117,857,522	2,209,514	2,209,514 72%		7,68		55,281,352	52,357,679	51,261,375	49,732,387
Business Province-Wide Program 26 Save on Energy Audit Funding Program 27 Save on Energy Retrofit Program	2,010,284 39,906,451	1,997,225 40,715,058	1,990,171 41,326,512	10,221,871 212,573,170	167,592 5,895,425	167,592 53% 5,895,425 54%	2% 3%	20.4	68,323 3,487,030 16,067 134,562,105	3,580,648 131,877,128	3,623,691 113,384,910	3,554,978 112,133,828	3,421,706 112,032,783
28 Save on Energy Small Business Lighting Program 29 Save on Energy High Performance New Construction Program	9,707,279 3,061,203	7,893,971 3,395,615	7,729,994 3,070,797	50,511,452 15,821,551	148,817	0 0% 148,817 41%	0% 1%	4	66,956 31,200,612 74,323 11,283,971	34,660,648 11,473,298	28,105,025 11,451,676	23,077,122 12,286,014	22,703,429 11,303,543
30 Save on Energy Existing Building Commissioning Program 31 Save on Energy Process & Systems Upgrades Program	305,492 6,629,200	309,810 7,240,876	300,636 7,124,544	1,542,889 35,670,745 537,385	0 341,070 9,180	0 0% 341,070 22% 9,180 92%	0% 1%	3,5	25,314 1,075,496 58,224 55,825,208	1,072,766 59,709,682	1,078,805 59,519,440	1,083,124 40,926,326	1,073,950 32,109,738
32 Save on Energy Monitoring & Targeting Program 33 Save on Energy Energy Manager Program Sub-total - Business Province-Wide Program	113,728 4,492,839 66,226,476	70,366 4,515,396 66,138,318	70,641 4,466,328 66,079,623	22,766,051 349,645,113	156,835 6,718,919	9,180 92% 156,835 32% 6,718,919 48%	2% 1% 2%	1,00 26,51	10,000 622,379 34,790 7,571,459 3,997 245,628,261	437,772 7,708,357 250,520,299	226,228 8,004,765 225,394,540	145,366 7,947,336 201,154,094	7,710,282 190,463,572
Local & Regional Program 34 Business Refrigeration Local Program	46.474	57.024	45.306	1.243.498		0 n/a	0%	1	73,152 902,065	2.165.231	121.474	157.024	107.806
35 First Nation Conservation Local Program 36 Social Benchmarking Local Program	2,000,000 5,772,302	2,000,000 6,342,957	1,500,000 6,602,570	9,200,000 29,608,360	n/a n/a n/a	0 n/a 0 n/a	0%		0 3,200,000 19,166 4,957,207	4,000,000 5,814,158	4,000,000 5,922,302	4,000,000 6,852,957	3,000,000 7,652,570
Sub-total - Local & Regional Program Pilot Program	7,818,776	8,399,982	8,147,876	40,051,858	n/a	0 n/a	0%	29.	2,318 9,059,272	11,979,389	10,043,776	11,009,982	10,760,376
Enersource Hydro Mississauga Inc Performance-Based Conservation Pilot Program - Cot BenWin Utilities Ltd Building Optimization Pilot					n/a n/a	0							
SP [EnWin Utilities Ltd Re-Invest Pilot Horizon Utilities Corporation - ECM Furnace Motor Pilot Horizon Utilities Corporation - Social Benchmarking Pilot					n/a n/a n/a	0 0							
42 Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot 43 Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot					n/a n/a	0							
Kitchener-Wilmot Hydro Inc Pilot - DCKV Niagara-on-the-Lake Hydro Inc Direct Install Energy Efficiency Measures for the Agricul					n/a n/a	0							
46 Oakville Hydro Electricity Distribution Inc Direct Install - Hydronic 47 Oakville Hydro Electricity Distribution Inc Direct Install - RTU Controls 48 Toront Hydro-Electric System Limited - Direct Install - Mydronic (Blich Savinos)					n/a n/a	0							
49 Toronto Hydro-Electric System Limited - Direct Install - FRU Controls (Pilot Savings) 50 Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings)					n/a n/a	0							
Sub-total - Pilot Program Other					n/a	0							
51 Adjustments to 2015 CFF Verified Results 52 Adjustments to 2016 CFF Verified Results					n/a n/a	0							
53 Adjustments to 2017 CFF Verified Results 54 Adjustments to 2018 CFF Verified Results 55 Adjustments to 2019 CFF Verified Results					n/a n/a n/a	0							
Sub-total - Other					n/a	0 111							
Sub-total - 2015-2020 Conservation First Framework Total	97,677,956		95,577,930		8,928,433 8,928,433	8,928,433 51% 8,928,433 51% 51%			,704 316,188,856 ,704 316,188,856				
100	77,077,956	70,701,193	73,377,730	307,334,493	0,720,4331	0,720,433 3176	Z 70	34,495	,704] 310,188,656	317,781,039	201,175,776	203,423,430	230,730,333



Province-Wide Progress # Programs		A Levelized Unit Energy Cost - Cost Effectiveness Test - Actual Verified
# Programs	(\$) Costs (\$) Net Benefit (\$) Net Benefit Ratio	Levelized Costs (\$) Energy Savings (kWh) LUEC (\$/kWh)
	1 2 2 3 3 4 4 5 5 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6	Construction Cons
2011-2014+2015 Extension Legacy Framework Programs Residential Program		1
1 Coupon Initiative 2 Bi-Annual Retailer Event Initiative 3 Appliance Retirement Initiative		Effectives Effectives
3 papparate Return remain minutes 4 HWAC Incentives Initiative 5 Residential New Construction and Major Renovation Initiative Sub-total - Residential Program		Trocat Effectiveness Test - Actual Trocat Services Test - Actual
Commercial & Institutional Program 6 Energy Audit Initiative		0.000
7 Efficiency: Equipment Replacement Incentive Initiative 8 Direct Install Lighting and Water Heating Initiative 9 New Construction and Major Renovation Initiative		
10 Existing Building Commissioning Incentive Initiative Sub-total - Commercial & Institutional Program		inistrator
Industrial Program 11 Process and Systems Upgrades Initiatives - Project Incentive Initiative 13 December 1 - Project Incentive Initiative 14 December 1 - Project Incentive Initiative 15 December 1 - Project Incentive Initiative 16 December 1 - Project Incentive Initiative 17 December 1 - Project Incentive Initiative 18 December 1 - Project Incentive Initiative 19 December 1 - Project Incentive Initiative 19 December 1 - Project Incentive Initiative 10 December 1 - Project Incentive Initiative 10 December 1 - Project Incentive Initiative 11 December 1 - Project Incentive Initiative 12 December 1 - Project Incentive Initiative 13 December 1 - Project Incentive Initiative 14 December 1 - Project Incentive Initiative 15 December 1 - Project Incentive Initiative 17 December 1 - Project Incentive Initiative 18 December 1 - Project Incentive Initiative 19 December 1 - Project Initiative 19 December 1 - Project Initiative 10 Decem		
12 Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative 13 Process and Systems Upgrades Initiatives - Energy Manager Initiative Sub-total - Industrial Program		Program Adm
Low Income Program 14 Low Income Initiative		2
Sub-total - Low-Income Program Pilot Program		
15 Loblaws Pilot 16 Social Benchmarking Pilot 17 Conservation Fund Pilot - SEG		
17 Conservation Fund Pinio - Sec 18 Conservation Fund Pinio - EnerNOC Sub-total - Pilot Program		
Other 19 Aboriginal Conservation Program		
20 Program Enabled Savings 21 Adjustments to 2015 Legacy Framework Verified Results Sub-total - Other		
Sub-total - 2011-2014+2015 Extension Legacy Framework		
2015-2020 Conservation First Framework Programs Residential Province-Wide Program	0 0 0 0	n/a 0 n/a 0 n/a
22 Save on Energy Coupon Program 23 Save on Energy Heating and Cooling Program 24 Save on Energy New Construction Program	0 n/a 0 n/a 0 n/a 0 n/a 0 n/a 0 n/a	n/a 0 n/a 0 n/a n/a 0 n/a 0 n/a
25 Save on Energy Home Assistance Program Sub-total - Residential Province-Wide Program	0 n/a 0 n/	n/a 0 n/a 0 n/a n/a n/a n/a
Business Province-Wide Program 26 Save on Energy Audit Funding Program 27 Save on Energy Retrofit Program	0 n/a 0 n/a 0 n/a 0 n/a	n/a
28 Save on Energy Small Business Lighting Program 29 Save on Energy High Performance New Construction Program	0 n/a 0 n/a 0 n/a 0 n/a 0 n/a 0 n/a	n/a 0
30 Save on Energy Existing Building Commissioning Program 31 Save on Energy Process & Systems Upgrades Program 32 Save on Energy Monitoring & Targeting Program	0 n/a 0 n/a 0 n/a 0 n/a 0 n/a 0 n/a	n/a 0 n/a 0 n/a n/a 0 n/a
33 Save on Energy Energy Manager Program Sub-total - Business Province-Wide Program	0 n/a 0 n/a 0 n/a 0 n/a 0 n/a	n/a
Local & Regional Program 34 Business Refrigeration Local Program 35 First Nation Conservation Local Program	0 n/a 0 n/	n/a
36 Social Benchmarking Local Program Sub-total - Local & Regional Program	0 n/a 0 n/a 0 n/a 0 n/a 0 n/a 0 n/a	n/a 0 n/a 0 n/a 0 n/a n/a 0 n/a
Pilot Program 37 Enersource Hydro Mississauga Inc Performance-Based Conservation Pilot Program - Cor	0 n/a 0 n/a 0 n/a	n/a
38 EnWin Utilities Ltd Building Optimization Pilot 39 EnWin Utilities Ltd Re-Invest Pilot 40 Horizon Utilities Corporation - ECM Furnace Motor Pilot	0 n/a	n/a 0 n/a 0 n/a 0 n/a 0 n/a n/a 0 n/a
Horizon Utilities Corporation - Social Benchmarking Pilot Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot	0 n/a	n/a 0 n/a 0 n/a n/a 0 n/a 0 n/a n/a 0 n/a 0 n/a
44 Kitchener-Wilmot Hydro Inc Pilot - DCKV 45 Niagara-on-the-Lake Hydro Inc Direct Install Energy Efficiency Measures for the Agricul	0 n/a 0 n/a 0 n/a	n/a
46 Oakville Hydro Electricity Distribution Inc Direct Install - Hydronic Oakville Hydro Electricity Distribution Inc Direct Install - RTU Controls 48 Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)	0 n/a	n/a
49 Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings) 50 Toronto Hydro-Electric System Limited - PFP - Large (Pilot Savings) Sub-total - Pilot Program	0 1/2 0 1/2	
Other 51 Adjustments to 2015 CFF Verified Results	0 n/a 0 n/a 0 n/a	n/a 0 n/a 0 n/a
52 Adjustments to 2016 CFF Verified Results	0 n/a	n/a
55 Adjustments to 2019 CFF Verified Results Sub-total - Other	0 n/a	n/a 0 n/a 0 n/a n/a n/a n/a
Sub-total - 2015-2020 Conservation First Framework	0 n/a 0 n/a 0 n/a	n/a 0 n/a 0 n/a
Total	0 n/a 0 n/a 0 n/a	n/a 0 n/a 0 n/a

Final 2015 Annual Verified Results Report IESO Value Added Services Costs (as of March 31, 2016)

# Reporting Level	Program	Unit of	Units (#)							Administrati						
1 Niceasa Paningula Frazzu Inc	Save on Energy Coupon Program	Measure Coupons	0	2016	0	0	2019 0	2020	lotal 0	0	0	0	2018 0	0	0	1 otal 0
Niagara Peninsula Energy Inc.	Save on Energy Heating and Cooling Program	Applications	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total			0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Province Wide	Save on Energy Coupon Program	Coupons	785,625	0	0	0	0	0	785,625	1,374,844	0	0	0	0	0	1,374,844
4 Province wide	Save on Energy Heating and Cooling Program	Applications	20,446	0	0	0	0	0	20,446	265,798	0	0	0	0	0	265,798
Total			806,071	0	0	0	0	0	806,071	1,640,642	0	0	0	0	0	1,640,642

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Final 2015 Annual Verified Results Report Methodology

Genera

All results are at the end-user level (not including transmission and distribution losses) and are based on activity completed on or after January 1, 2015 and on or before December 31, 2015 and reported to IESO by March 31, 2016.

Savings Calculations

#	Project Type	Equation

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

2011-2014+2015 Extension Legacy Framework Initiatives

#	Initiative	Attributing Savings to LDCs	Project List Date	Savings 'start' Date	Calculating Resource Savings	
1	saveONenergy Conservation Instant Coupon Booklet	LDC-coded coupons directly attributed to LDC. Otherwise results are allocated based on average of 2008 & 2009 residential throughput.	March 31, 2016	Savings are considered to begin in the year in which the coupon was redeemed.		
2	saveONenergy Bi-Annual Retailer Event	Results are allocated based on average of 2008 & 2009 residential throughput.	March 31, 2016	Savings are considered to begin in the year in which the event occurs.	Peak demand and energy savings are determined using the verified measure level per unit assumption	
3	saveONenergy Appliance Retirement	Includes both retail and home pickup stream. Retail stream allocated based on average of 2008 & 2009 residential throughput; Home pickup stream directly attributed by postal code or customer selection.	allocated based on average of 2008 & 2009 tital throughput; Home pickup stream directly March 31, 2016 Savings are considered to begin in the year the appliance is picked up.		multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.	
4	saveONenergy HVAC Incentives	Results directly attributed to LDC based on customer applications and postal code.	March 31, 2016	Savings are considered to begin in the year that the installation occurred.		
5	saveONenergy Residential New Construction	Results are directly attributed to LDC based on LDC identified in application in the iCon system.	March 31, 2016	Savings are considered to begin in the year of the project completion date.		
6	saveONenergy Energy Audit	Projects are directly attributed to LDC based on LDC identified in the application.	March 31, 2016	Savings are considered to begin in the year of the audit date.	Peak demand and energy savings are determined by the total savings resulting from an audit as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bubs were actually installed us. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillower (net).	
7	saveONenergy Efficiency: Equipment Replacement	Results are directly attributed to LDC based on LDC identified at the facility level in the iCon system. Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"): Please see page for Building type to Sector mapping.	March 31, 2016	Savings are considered to begin in the year of the actual project completion date in the iCON system.	Peak demand and energy savings are determined by the total savings for a given project as reported in the LCON system (exported). A realization rate is applied to the reported savings to ensure that these savings allow the LCON system (exported) are discount and reflect the savings that were actually realized (i.e., how many light bulbs were actually installed us. what was reported) (gross). Net savings takes into account net-to-gross ratics critors such as free indeship and spillower (net). Both realization rate and net to-gross ratics can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).	
		Additional Note: project counts were derived by filtering	out invalid statuses (e.g. Post-Project Submission - Payme	ent denied by LDC) and only including projects with an "Actu	al Project Completion Date" in 2014)	
9	saveONenergy Direct Installed Lighting	Results are directly attributed to LDC based on the LDC specified on the work order.	March 31, 2016	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumptions multiplied by the uptake of each measure accounting for the realization rate for both peak demand and energy to reflect the savings that were actually installed vs. what was reported) (gross). Net savings take into account net-to-gross factors such as free-ridership and spillower for both peak demand and energy savings at the program level (ree).	
10	saveONenergy New Construction and Major Renovation Incentive	Results are directly attributed to LDC based on LDC	March 31, 2016	p oject completion date.	Peak demand and energy savings are determined by the total savings for a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually	
11	saveONenergy Existing Building Commissioning Incentive	identified in the application.	March 31, 2016		realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).	
12	saveONenergy Process & System Upgrades		March 31, 2016	Savings are considered to begin in the year in which the	Peak demand and energy savings are determined by the total savings from a given project as reported	
13	saveONenergy Monitoring & Targeting	Results are directly attributed to LDC based on LDC	March 31, 2016	incentive project was completed.	(reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually	
14	saveONenergy Energy Manager	identified in application.	March 31, 2016	Savings are considered to begin in the year in which the project was completed by the energy manager. If no date is specified the savings will begin the year of the Quarterly Report submitted by the energy manager.	realized (i.e. how many light bulbs were actually installed	
14	saveONenergy Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	March 31, 2016	Savings are considered to begin in the year in which the measures were installed.	Peak demand and energy savings are determined using the measure level per unit assumption multiplied by the uptake of each measure (gross), taking into account	
15	Aboriginal Conservation Program		March 31, 2016		net-to-gross factors such as free-ridership and spillover (net) at the measure level.	

2015-2020 Conservation First Framework Programs

# Program	Attributing Savings to LDCs	Project List Date	Savings 'Start' Date	Calculating Resource Savings
Save on Energy 1 Coupon Program	LDC-coded coupons directly attributed to LDC; Otherwise results are allocated based on average of 2008 & 2009 residential throughput.	March 31, 2016	Savings are considered to begin in the year in which the coupon was redeemed.	
Save on Energy 2 Heating and Cooling Program	Results directly attributed to LDC based on customer applications and postal code. LDCs may see additional participation, savings and spending relative to the March 2016 Value Added Services Report due to previously unassigned applications completed in 2015. Adjustments to reflect final 2015 verifled participation will appear in your July 2016 Value Added Services Report to be issued on August 15, 2016	March 31, 2016	Savings are considered to begin in the year that the installation occurred.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Save on Energy 3 New Construction Program	Results are directly attributed to LDC based on LDC identified in CDM LDC Report Template.	March 31, 2016	Savings are considered to begin in the year of the project completion date.	
Save on Energy 4 Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	March 31, 2016	Savings are considered to begin in the year in which the measures were installed.	
Save on Energy 5 Audit Funding Program	Projects are directly attributed to LDC based on LDC identified in the application.	March 31, 2016	Savings are considered to begin in the year of the audit date.	Peak demand and energy savings are determined by the total savings resulting from an audit as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light busis were actually installed vs. what was reported) (gross). Net savings takes into account net-lo-gross factors such as free-ridership and spillover (net).
6 Retrofit Program	Results are directly attributed to LDC based on LDC identified at the facility level in the saveOlvenergy CRM. Projects in the Application Status: "Fost-Stage Submission" are included (excluding "Payment denied by LDC"). Please see page for Building type to Sector mapping.	March 31, 2016	Savings are considered to begin in the year of the actual project completion date as reported in the CDM LDC Report Template	Peak demand and energy savings are determined by the total savings for a given project as reported in the ICON system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EMAV protocols and reflect the savings that were actually realized (i.e. how many light buths were actually installed vs. what was reported) (gross). Not savings takes into account net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
Save on Energy 7 Small Business Lighting Program	Results are directly attributed to LDC based on the LDC specified on the work order.	March 31, 2016	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumptions untiliplied by the uptake of each measure accounting for the realization rate for both peak demand and energy to reflect the savings that were actually leralized (e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings take into account net-to- gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
Save on Energy 8 High Performance New Construction Program Save on Energy 9 Existing Building Commissioning	Results are directly attributed to LDC based on LDC identified in the application.	March 31, 2016 March 31, 2016		Peak demand and energy savings are determined by the total savings for a given project as reported in the CDM LDC Report Template. Preliminary unverified net savings are calculated by multiplying reported savings by 2014 Net-to-gross ratios and realization rates.
Program Save on Energy 10 Process and Systems Upgrades Program	Results are directly attributed to LDC based on LDC identified in application.	March 31, 2016	Savings are considered to begin in the year in which the project was in-service.	Peak demand and energy savings are determined by
Save on Energy 11 Monitoring and Targeting Program	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, no completed projects in 2011, 2012 or 2013.	March 31, 2016	Savings are considered to begin in the year in which the incentive project was completed.	the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed
Save on Energy 12 Energy Manager Program	Results are directly attributed to LDC based on LDC identified in the application.	March 31, 2016	Savings are considered to begin in the year in which the project was completed by the energy manager. If no date is specified the savings will begin the year of the Quarterly Report submitted by the energy manager.	vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
13 Busines Refrigeration Incentive Program		March 31, 2016	Savings are considered to begin in the year in which the measures were installed.	Peak demand and energy savings are determined using the verified measure level per unit assumptions multiplied by the uptake of each measure accounting for the realization rate for both peak demand and energy to reflect the savings that were actually realized (e, how many light bulbs were actually installed vs. what was reported) (gross). Net savings take into account net-to-gross factors such as free-fidership and spillover for both peak demand and energy savings at the program level (red).
14 Social Benchmarking Program	Results are directly attributed to LDC based on LDC identified in the application.	March 31, 2016	Savings are considered to begin in the year in which the report was sent.	Peak demand and energy savings are determined using the verified measure level (home) per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free- ridership and spillover (net) at the measure level (home).
15 First Nations Conservation Program		March 31, 2016	Savings are considered to begin in the year in which the measures were installed.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as Tee-ridership and spillover (net) at the measure level.

IESO Value Added Services Costs

- 1) IESO Value Added Services Costs are based on activity reported as of March 31, 2016.
- 2) Save on Energy Heating & Cooling Program activity may be greater than the March 2016 IESO Value Added Services Report due to previously unassigned applications being assigned to LDCs through the Evaluation, Measurement & Verification Process based on updated applicant postal code mappings. These additional applications and costs will be reflected in the July 2016 IESO Value Added Services Report.

 3) Future years may include adjustments to prior years based on delays of Value-Added Service report submissions to IESO from IESO Value-Added Service providers.
- 4) IESO Value Added Services costs are calculated based on the prevailing IESO Value Added Services Rates as per the applicable IESO Central Services Strategy and Rate Guideline.

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Final 2015 Annual Verified Results Report Consumer Program Allocation Methodology

Local Distribution Company

Allocation

1	Algoma Power Inc.	0.2207%
2	Atikokan Hydro Inc.	0.0265%
3	Attawapiskat Power Corporation	0.0255%
4	Bluewater Power Distribution Corporation	0.6460%
5	Brant County Power Inc.	0.1979%
6	Brantford Power Inc.	0.7255%
7	Burlington Hydro Inc.	1.3757%
8	Cambridge and North Dumfries Hydro Inc.	0.9578%
9	Canadian Niagara Power Inc.	0.5110%
10	Centre Wellington Hydro Ltd.	0.1129%
11	Chapleau Public Utilities Corporation	0.0379%
12	COLLUS PowerStream Corp.	0.2858%
13	Cooperative Hydro Embrun Inc.	0.0494%
14	E.L.K. Energy Inc.	0.2270%
15	Enersource Hydro Mississauga Inc.	3.9265%
16	Entegrus Powerlines Inc.	0.7226%
17	EnWin Utilities Ltd.	1.5542%
18	Erie Thames Powerlines Corporation	0.3535%
19	Espanola Regional Hydro Distribution Corporation	0.0821%
20	Essex Powerlines Corporation	0.6539%
21	Festival Hydro Inc.	0.3498%
22	Fort Albany Power Corporation	0.0212%

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23	Fort Frances Power Corporation	Page 190 of 194 0.0995%
24	Greater Sudbury Hydro Inc.	1.0276%
25	Grimsby Power Incorporated	0.2279%
26	Guelph Hydro Electric Systems Inc.	0.8983%
27	Haldimand County Hydro Inc.	0.4244%
28	Halton Hills Hydro Inc.	0.5475%
29	Hearst Power Distribution Company Limited	0.0667%
30	Horizon Utilities Corporation	4.0429%
31	Hydro 2000 Inc.	0.0390%
32	Hydro Hawkesbury Inc.	0.1394%
33	Hydro One Brampton Networks Inc.	2.8180%
34	Hydro One Networks Inc.	29.9788%
35	Hydro Ottawa Limited	5.5954%
36	InnPower Corporation	0.3951%
37	Kashechewan Power Corporation	0.0286%
38	Kenora Hydro Electric Corporation Ltd.	0.0989%
39	Kingston Hydro Corporation	0.5014%
40	Kitchener-Wilmot Hydro Inc.	1.6310%
41	Lakefront Utilities Inc.	0.1907%
42	Lakeland Power Distribution Ltd.	0.2906%
43	London Hydro Inc.	2.7308%
44	Midland Power Utility Corporation	0.1196%
45	Milton Hydro Distribution Inc.	0.5695%
46	Newmarket-Tay Power Distribution Ltd.	0.6607%
47	Niagara Peninsula Energy Inc.	0.9945%
48	Niagara-on-the-Lake Hydro Inc.	0.1586%
49	Norfolk Power Distribution Inc.	0.3495%
50	North Bay Hydro Distribution Limited	0.5333%

	September 20, 2010
51 Northern Ontario Wires Inc.	0.1061%
52 Oakville Hydro Electricity Distribution Inc.	1.4632%
53 Orangeville Hydro Limited	0.2120%
54 Orillia Power Distribution Corporation	0.2722%
55 Oshawa PUC Networks Inc.	1.2283%
56 Ottawa River Power Corporation	0.1974%
57 Peterborough Distribution Incorporated	0.7132%
58 PowerStream Inc.	6.6383%
59 PUC Distribution Inc.	0.8687%
60 Renfrew Hydro Inc.	0.0775%
61 Rideau St. Lawrence Distribution Inc.	0.1120%
62 Sioux Lookout Hydro Inc.	0.0841%
63 St. Thomas Energy Inc.	0.2939%
64 Thunder Bay Hydro Electricity Distribution Inc.	0.8738%
65 Tillsonburg Hydro Inc.	0.1280%
66 Toronto Hydro-Electric System Limited	12.7979%
67 Veridian Connections Inc.	2.3525%
68 Wasaga Distribution Inc.	0.1799%
69 Waterloo North Hydro Inc.	1.0019%
70 Welland Hydro-Electric System Corp.	0.3879%
71 Wellington North Power Inc.	0.0632%
72 West Coast Huron Energy Inc.	0.0653%
73 Westario Power Inc.	0.5411%
74 Whitby Hydro Electric Corporation	0.8651%
75 Woodstock Hydro Services Inc.	0.2548%
Total	100.0000%

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

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Final 2015 Annual Verified Results Report Glossary

#	Term	Definition
1	2011-2014+2015 Extension Legacy Framework Programs	Programs in market from 2011-2015 resulting from the April 23, 2010 GEA CDM Ministerial Directive and funded separately from 2015-2020 Conservation First Framework Programs but whose savings in 2015 are attributed towards the 2015-2020 Conservation First Framework target.
2	2015-2020 Conservation First Framework Programs	Programs in market from 2015-2020 resulting from the March 31, 2014 CFF Ministerial Directive and funded separately from 2011-2014+2015 Extension Legacy Framework Programs.
3	Allocated Target	Each LDC's assigned portion of the Province's 7 TWh Net 2020 Annual Energy Savings Target of the 2015-2020 Conservation First Framework.
4	Allocated Budget	Each LDC's assigned portion of the Province's \$ 1.835 billion CDM Plan Budget of the 2015-2020 Conservation First Framework.
5	Province-Wide Program	Programs available to all LDCs to deliver and that are consistent across the province.
6	Regional Program	Programs designed by LDCs to serve their region and approved by the IESO.
7	Local Program	Programs designed by LDCs to serve their communities and approved by the IESO.
8	Pilot Program	A program pilot that may achieve energy or demand savings and is funded extraneous to an LDC's CDM Plan Budget.
9	Initiative	A Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (i.e. Retrofit, Fridge & Freezer Pickup) from the 2011-2014+2015 Extension Legacy Framework.
10	Program	A Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (i.e. Retrofit, Fridge & Freezer Pickup) from the 2015-2020 Conservation First Framework.
11	Activity	The number of projects.

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

		September 26, 2016
24	Spillover	Reductions in energy consumption and/or demand caused by the presence of the energy efficiency program, beyond the program-related gross savings of the participants. There can be participant and/or non-participant spillover.
25	Incremental Savings	The new resource savings attributable to activity procured in a particular reporting period based on when the savings are considered to 'start'.
26	First Year Savings	The peak demand or energy savings that occur in the year it was achieved (includes resource savings from only new program activity).
27	Annual Savings	The peak demand or energy savings that occur in a given year (includes resource savings from new program activity and resource savings persisting from previous years).
28	Demand Savings	Demand savings attributable to conservation and demand management activities.
29	Energy Savings	Energy savings attributable to conservation and demand management activities.
30	Administrative Expenses	Costs incurred in the delivery of a program related to labour, marketing, third-party expenses, value added services or other central services.
31	Participant Incentives	Costs incurred in the delivery of a program related to incenting participants to perform peak demand or energy savings.
32	Total Expenditure	The sum of Administrative Expenses and Participant Incentives
33	Total Resource Cost Cost Effectiveness Test	A cost effectiveness test that measures the net cost of CDM based on the total costs of the program including both participants' and utility's costs.
34	Program Administrator Cost Cost Effectiveness Test	A cost effectiveness test that measures the net cost of CDM based on costs incurred by the program administrator, including incentive costs and excluding net costs incurred by the participant.
35	Levelized Unit Energy Cost Cost Effectiveness Test	A cost effectiveness test that normalizes the costs incurred by the program administrator per unit of energy or demand reduced.