

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.

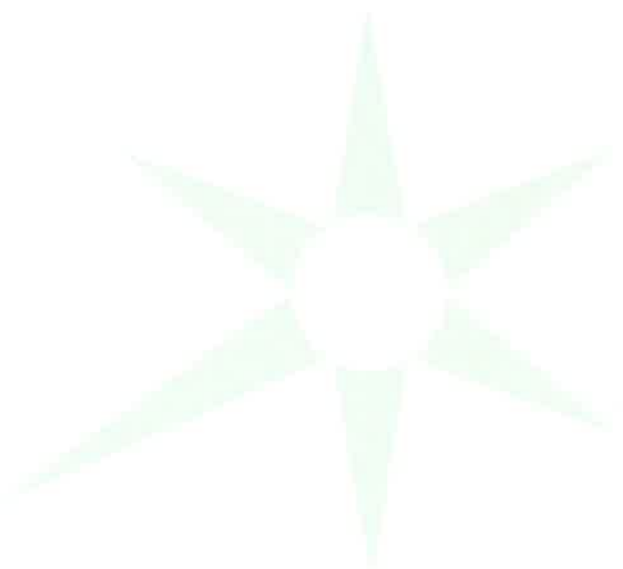
This document is being filed pursuant to the Board's e-filing service.

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

C: IndEco Strategic Consulting Inc. – Niagara Peninsula Energy Inc. LRAMVA Report

D: 2017 IRM Rate Generator Model

E: OEB LRAMVA Work Form

F: 2015 CDM Annual Verified Results Report provided by the IESO

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.

A handwritten signature in cursive script that reads "Suzanne Wilson". The signature is written in dark ink and is positioned above the printed name and title.

Suzanne Wilson, CPA, CA

Vice-President, Finance

Contact Information:

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

Suzanne Wilson, CPA, CA
Vice-President, Finance
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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

Rate Class	Typical Monthly Usage	Total Monthly Bill Impact - RPP Customer		Total Monthly Bill Impact - Non - RPP Customer	
		\$	%	\$	%
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%

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 No.	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)*.

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. Calculation 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

Rate Class	Allocated GA Balance (including Carrying Charges)	Non-RPP kWh	Proposed Rate 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.

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.

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 NPEI'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
LRAMVA						
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 No.	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

Rate Class	Allocated LRAMVA Balance (including Carrying Charges)	Metered kWh / kW	Proposed Rate Rider (per kWh or kW)	Volumetric Billing 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			

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 following inputs:

OEB-approved # of Transition Years:	4
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

		Revenue from Rates	Current F/V Split	Decoupling MFC Split	Incremental Fixed Charge (\$/month/year)	New F/V Split	Adjusted Rates	Revenue at New F/V Split
<u>Rate Design Transition</u>								
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

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

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:

- 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

Class	Unit	Existing RTSR Network	Proposed RTSR Network	Variance	Variance %	Existing RTSR Connection	Proposed RTSR Connection	Variance	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.

Appendix A

Current Tariff of Rates and Charges Effective May 1, 2016

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

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	\$	21.94
Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017	\$	(0.14)
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	\$	0.93
Distribution Volumetric Rate	\$/kWh	0.0139
Low Voltage Service Rate	\$/kWh	0.0005
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	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0053

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

Niagara Peninsula Energy Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2016
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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)
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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)
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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)
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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)
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Niagara Peninsula Energy Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2016
This schedule supersedes and replaces all previously
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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 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)

Niagara Peninsula Energy Inc.
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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

Niagara Peninsula Energy Inc.
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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.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence 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	\$	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

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

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

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
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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

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

Niagara Peninsula Energy Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2016
This schedule supersedes and replaces all previously
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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

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
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

Niagara Peninsula Energy Inc.
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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

It should be noted that this schedule does not list any charges, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the 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, 2016

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ALLOWANCES

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

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 (with the exception of wireless attachments)	\$	22.35

Niagara Peninsula Energy Inc.
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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.

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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		
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

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

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

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

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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

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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)

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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

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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.

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

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	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

Niagara Peninsula Energy Inc.
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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

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
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Niagara Peninsula Energy Inc.
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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.

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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

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

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

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
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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

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.
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Effective and Implementation Date May 1, 2017
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EB-2016-0094

ALLOWANCES

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

Niagara Peninsula Energy Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2017
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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 attachments)

Niagara Peninsula Energy Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2017
This schedule supersedes and replaces all previously
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EB-2016-0094

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

Niagara Peninsula Energy Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2017
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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

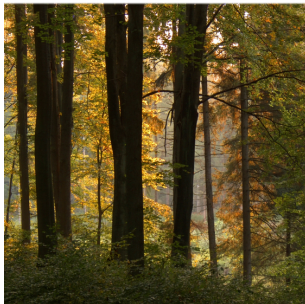
Appendix C

IndEco Strategic Consulting Inc.

NPEI LRAMVA Report



Niagara Peninsula Energy Inc. 2011-2015 LRAMVA



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

2011-2015



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

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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."² 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:

$$LR = (\text{CDM results} - \text{CDM results in the load forecast}) * \text{rate}$$

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 low-income. 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.⁵ 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.

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

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

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.



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

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Appendix D

2017 IRM Rate Generator Model



Ontario Energy Board

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

Version 1.3

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 cleared ¹	2015
Please indicate the last Cost of Service Re-Basing Year	2015

Notes

☐ Pale green cells represent input cells.



Ontario Energy Board

Incentive Regulation Model for 2017 File

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

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	\$	21.94
Rate Rider for Adjustment to 2015 Interim Rates - effective until April 30, 2017	\$	(0.14)
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	\$	0.93
Distribution Volumetric Rate	\$/kWh	0.0139
Low Voltage Service Rate	\$/kWh	0.0005
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	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0053

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



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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



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- (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)



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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	\$	38.05
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



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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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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



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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

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
Standard Supply Service - Administrative Charge (if applicable)	\$	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.

Unless specifically noted, this schedule does not contain any 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



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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

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
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



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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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It should be noted that this schedule does not list any charges, assessments or credits 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	\$/kW	(0.6000)
Primary Metering Allowance for transformer losses - applied to measured demand and energy	%	(1.00)



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APPLICATION

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



Ontario Energy Board

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RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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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



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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

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

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

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

Please refer to the footnotes for further instructions.

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

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.
- For RSVA accounts only, report the net variance to the account during the year. For all other accounts, record the transactions during the year.
- If the LDC's rate year begins on January 1, 2017, the projected interest is recorded from January 1, 2016 to December 31, 2016 on the December 31, 2015 balances adjusted for the disposed balances approved by the OEB in the 2016 rate decision. If the LDC's rate year begins on May 1, 2017, the projected interest is recorded from January 1, 2016 to April 30, 2017 on the December 31, 2015 balances adjusted for the disposed interest balances approved by the OEB in the 2016 rate decision.
- Include Account 1595 as part of Group 1 accounts (lines 30-36) for review and disposition if the recovery (or refund) period has been completed. If the recovery (or refund) period has not been completed, do not include the respective balance in Account 1595 for disposition at this time.

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	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				0	0
0				0	0				0	0			876,443	876,443	0
0				0	0				0	0			650,143	650,143	0
0				0	0				0	0			(4,719,278)	(4,719,278)	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			(1,776,570)	(1,776,570)	0
0				0	0				0	0			(43,770)	(43,770)	0
0				0	0				0	0				0	0
0				0	0				0	0				0	0
0				0	0				0	0				0	0
0				0	0				0	0				0	0
0				0	0				0	0				0	0
0				0	0				0	0				0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	3,681,340	3,681,340	0
0	0	0	0	0	0	0	0	0	0	0	0	0	(8,301,187)	(8,301,187)	0
0	0	0	0	0	0	0	0	0	0	0	0	0	(4,619,847)	(4,619,847)	0
				0					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	3,070			4,734	(55,694)	99,352
			0	0	36,447			36,447	0	509			509	36,447	(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	
			0	0				0	0				0	0	
		10,477	10,477	876,443	606,068			1,482,511	10,477	10,347			20,823	1,482,511	376,405
		(850)	(850)	650,143	394,500			1,044,642	(850)	6,819			5,969	1,044,642	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	5,291,581	2,828,517
			0	0				0	0				0	0	
		1,695,251	1,695,251	(1,776,570)	4,442			(1,772,128)	1,695,251	(39,697)			1,655,554	(1,772,128)	(4,442)
		(64,405)	(64,405)	(43,770)	(2,161)			(45,931)	(64,405)	822			(63,583)	(45,931)	2,161
			0	0				0	0				0	0	
			0	0				0	0				0	0	
			0	0				0	0				0	0	
			0	0				0	0				0	0	1,993,400
			0	0				0	0				0	0	
0	0	42,784	42,784	3,681,340	1,610,241	0	0	5,291,581	42,784	12,814	0	0	55,598	5,291,581	2,828,517
0	0	1,507,650	1,507,650	(8,301,187)	(1,359,610)	0	0	(9,660,797)	1,507,650	(158,641)	0	0	1,349,010	(9,660,797)	(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	0	
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 ¹ 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	4,734	1,548	(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	0	338,467			338,467		1,134		
876,442		982,474	20,823	17,148	27,655		10,317	982,474	(54,118)	606,069		322,287	10,317	9,326	5,047	
650,143		721,251	5,969	12,518	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			
4,619,847		(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)	0	(6,685,497)	1,349,010	(83,772)	(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
0	0	(2,246,740)	1,404,608	(38,039)	(0)	0	1,366,570	(2,246,740)	(3,452,684)	(297,343)	0	(5,402,081)	1,366,570	(29,640)	(277)	0
		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. ☐

Closing Interest Amounts as of Dec 31, 15	2016				Projected Interest on Dec-31-15 Balances				2.1.7 RRR	Variance RRR vs. 2015 Balance (Principal + Interest)
	Principal Disposition during 2016 - instructed by OEB	Interest Disposition during 2016 - instructed by OEB	Closing Principal Balances as of Dec 31, 2016 Adjusted for Dispositions during 2016	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	
4,294			575,120	4,294	6,326	2,109	12,729	587,850	579,415	0
(148)			(31,211)	(148)	(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
0			0	0			0 <input type="checkbox"/> Check to Dispose of Account (Disabled)	0	0	0
1,134			338,467	1,134	3,723	1,241	6,098 <input checked="" type="checkbox"/> 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	0
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	0
0			0	0			0 <input type="checkbox"/> Check to Dispose of Account	0	0	0
0			(0)	0			0 <input type="checkbox"/> Check to Dispose of Account	0	0	(0)
0			(0)	0			0 <input type="checkbox"/> Check to Dispose of Account	0	0	(0)
0			0	0			0 <input type="checkbox"/> Check to Dispose of Account	0	0	0
0			0	0			0 <input type="checkbox"/> Check to Dispose of Account	0	0	0
1,420,648			(1,596,498)	1,420,648	(17,561)	(5,854)	1,397,232 <input checked="" type="checkbox"/> Check to Dispose of Account	(199,266)	(175,851)	(0)
(45,018)			294,543	(45,018)			(45,018) <input type="checkbox"/> Check to Dispose of Account	0	249,525	0
38,051	0	0	2,824,290	38,051	31,067	10,356	79,474	2,903,765	2,862,342	0
1,299,155	0	0	(8,226,371)	1,299,155	(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	0	(4,924,967)	1,350,029	(57,415)	(19,138)	1,273,476	(3,901,016)	(3,583,778)	(8,840)



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 data below:

If you have identified any issues, please [contact](#) the OEB.

YES

Rate Class	Unit	Total Metered kWh	Total Metered kW	Metered kWh for Non-RPP Customers	Metered kW for Non- RPP Customers	Metered kWh for Wholesale Market Participants (WMP)	Metered kW for Wholesale Market Participants (WMP)	Total Metered kWh less WMP consumption (if applicable)	Total Metered kW less WMP consumption (if applicable)	1595 Recovery Proportion (2014) ¹	1568 LRAM Variance 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)

(\$3,901,016)

Total Claim for Threshold Test (All Group 1 Accounts)

(\$4,397,950)

Threshold Test (Total claim per kWh) ²

(\$0.0037)

1568 Account Balance from Continuity Schedule	\$496,934
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.



Ontario Energy Board

Incentive Regulation Model for 2017 Filers

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)

Rate Class	% of Total kWh	% of Total non-RPP kWh	% of Customer Numbers **	% of Total kWh adjusted for WMP	allocated based on Total less WMP			allocated based on Total less WMP			1595_(2014)	1568
					1550	1551	1580	1584	1586	1588		
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.



Ontario Energy Board

Incentive Regulation Model for 2017 Filers

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: ☐

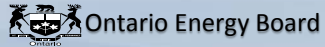
Identify the total billed consumption for former Class B customers prior to becoming Class A customers (i.e. Jan.1 to June 30, 2015) in column G.

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 consumption minus WMP	Total Metered Class A Consumption in 2015 (partial and/or full year Class A customers)*	Metered Consumption for Current Class B Customers (Non-RPP consumption LESS WMP, Class A and new Class A's former Class B consumption if applicable)	% of total kWh	Total GA \$ allocated to Current Class B Customers	GA Rate Rider	
		kWh	kWh	kWh				
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	0	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.



Incentive Regulation Model for 2017 Filers

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)

12

Proposed Rate Rider Recovery Period (in months)

12

Rate Rider Recovery to be used below

Rate Class	Unit	Total Metered kWh	Metered kW or kVA	Total Metered kWh less WMP consumption	Total Metered kW less WMP consumption	Allocation of Group 1 Account Balances to All Classes ²	Allocation of Group 1 Account Balances to Non-WMP Classes Only (If Applicable) ²	Deferral/Variance Account Rate Rider ²	Deferral/Variance Account Rate Rider for Non-WMP (if applicable) ²	Account 1568 Rate Rider	Revenue 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 I) calculated separately. For all rate classes without WMP customers, balances in account 1580 and 1588 are included in column G and disposed through a combined Deferral/Variance Account and Rate Rider.



Ontario Energy Board

Incentive Regulation Model for 2017 Filers

Summary - Sharing of Tax Change Forecast Amounts

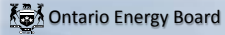
For the 2015 year, enter any Tax Credits from the Cost of Service Tax Calculation
(Positive #)

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%)		\$ -



Incentive Regulation Model for 2017 Filers

Calculation of Rebased Revenue Requirement and Allocation of Tax Sharing Amount. Enter data from the last OEB-Approved Cost of Service application in columns C through H.
As per Chapter 3 Filing Requirements, shared tax rate riders are based on a 1 year disposition.

Rate Class		Re-based Billed Customers or Connections A	Re-based Billed kWh B	Re-based Billed kW C	Re-based 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	Revenue Requirement from Rates J = G + H + I	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	0	0				0	0	0	0				0.0%

Rate Class		Total kWh (most recent RRR filing)	Total kW (most recent RRR filing)	Allocation of Tax Savings by Rate Class	Distribution Rate Rider	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	424,304,413		0	0.00	S/customer
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	kWh	125,782,373		0	0.0000	kWh
GENERAL SERVICE 50 TO 4,999 kW SERVICE CLASSIFICATION	kW	644,165,900	1,640,396	0	0.0000	kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	1,583,365		0	0.0000	kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	255,688	672	0	0.0000	kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	7,092,580	20,270	0	0.0000	kW
Total		1,203,184,319	1,661,338	\$0		

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



Ontario Energy Board

Incentive Regulation Model for 2017 Filers

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

Rate Class	Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor	Loss Adjusted Billed kWh
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071	424,304,413	0	1.0479	444,628,594
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0053	424,304,413	0	1.0479	444,628,594
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064	125,782,373	0	1.0479	131,807,349
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0046	125,782,373	0	1.0479	131,807,349
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.6464	644,165,900	1,640,396		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8580	644,165,900	1,640,396		
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064	1,583,365	0	1.0479	1,659,208
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0046	1,583,365	0	1.0479	1,659,208
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.9593	255,688	672		
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.5526	255,688	672		
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.0005	7,092,580	20,270		
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4275	7,092,580	20,270		

Incentive Regulation Model for 2017 Filers

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 - 2016		2016		2017	
				Jan - Apr 2015		May - Jan 2016		Feb - Dec 2016	
Rate Description				Rate		Rate		Rate	
Network Service Rate		kW		\$	3.23	\$	3.4121	\$	3.3396
Line Connection Service Rate		kW		\$	0.65	\$	0.7879	\$	0.7791
Transformation Connection Service Rate		kW		\$	1.62	\$	1.8018	\$	1.7713
Both Line and Transformation Connection Service Rate		kW		\$	2.27	\$	2.5897	\$	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 value)		Unit		Historical 2015		Current 2016		Forecast 2017	
		\$							

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.

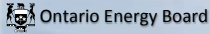
IESO	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	153,281	\$ 3.6600	\$ 561,009	156,905	\$ 0.8700	\$ 136,507	120,241	\$ 2.0200	\$ 242,887	\$ 379,394
February	170,327	\$ 3.6600	\$ 623,398	172,204	\$ 0.8700	\$ 149,818	129,518	\$ 2.0200	\$ 261,626	\$ 411,444
March	146,475	\$ 3.6600	\$ 536,100	157,591	\$ 0.8700	\$ 137,104	119,537	\$ 2.0200	\$ 241,465	\$ 378,569
April	126,462	\$ 3.6600	\$ 462,853	128,520	\$ 0.8700	\$ 111,813	98,181	\$ 2.0200	\$ 198,326	\$ 310,138
May	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	158,003	\$ 0.8700	\$ 137,462	118,829	\$ 2.0200	\$ 240,035	\$ 377,497
July	202,862	\$ 3.6600	\$ 742,476	191,673	\$ 0.8700	\$ 166,755	145,031	\$ 2.0200	\$ 292,962	\$ 459,717
August	193,295	\$ 3.6600	\$ 707,461	194,458	\$ 0.8700	\$ 169,178	145,582	\$ 2.0200	\$ 294,076	\$ 463,254
September	185,843	\$ 3.6600	\$ 680,185	196,841	\$ 0.8700	\$ 171,252	148,701	\$ 2.0200	\$ 300,376	\$ 471,628
October	115,620	\$ 3.6600	\$ 423,170	123,926	\$ 0.8700	\$ 107,815	94,998	\$ 2.0200	\$ 191,896	\$ 299,711
November	126,190	\$ 3.6600	\$ 461,857	133,004	\$ 0.8700	\$ 115,713	99,818	\$ 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			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	41,847	\$ 3.4121	\$ 142,785	42,314	\$ 0.7879	\$ 33,340	24,800	\$ 1.8018	\$ 44,685	\$ 78,024
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	35,985	\$ 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	36,519	\$ 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	48,409	\$ 0.7791	\$ 37,715	26,695	\$ 1.7713	\$ 47,285	\$ 85,001
August	47,665	\$ 3.3396	\$ 159,181	47,736	\$ 0.7791	\$ 37,191	26,093	\$ 1.7713	\$ 46,219	\$ 83,410
September	47,949	\$ 3.3396	\$ 160,131	47,961	\$ 0.7791	\$ 37,366	26,788	\$ 1.7713	\$ 47,450	\$ 84,816
October	33,955	\$ 3.3396	\$ 113,396	33,996	\$ 0.7791	\$ 26,487	19,667	\$ 1.7713	\$ 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	22,089	\$ 1.7713	\$ 39,126	\$ 68,801
Total	482,171	\$ 3.35	\$ 1,613,291	485,136	\$ 0.78	\$ 378,342	278,236	\$ 1.77	\$ 493,597	\$ 871,938

Add Extra Host Here (I)	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	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	-	\$ -	\$ -	-	\$ -	\$ -	13,211	\$ 1.7700	\$ 23,383	\$ 23,383
August	-	\$ -	\$ -	-	\$ -	\$ -	10,646	\$ 1.7700	\$ 18,843	\$ 18,843
September	-	\$ -	\$ -	-	\$ -	\$ -	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	-	\$ -	\$ -	-	\$ -	\$ -	9,600	\$ 1.7700	\$ 16,992	\$ 16,992
Total	-	\$ -	\$ -	-	\$ -	\$ -	122,554	\$ 1.77	\$ 216,921	\$ 216,921

Add Extra Host Here (II)	Network			Line Connection			Transformation Connection			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	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Total	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	195,128	\$ 3.6068	\$ 703,794	199,219	\$ 0.8526	\$ 169,947	154,020	\$ 1.9703	\$ 303,464	\$ 473,311
February	213,521	\$ 3.5952	\$ 767,649	215,812	\$ 0.8516	\$ 183,792	171,422	\$ 1.9591	\$ 335,831	\$ 519,624
March	182,299	\$ 3.5970	\$ 655,738	193,576	\$ 0.8531	\$ 165,140	152,420	\$ 1.9662	\$ 299,696	\$ 464,836
April	158,216	\$ 3.5957	\$ 568,897	161,697	\$ 0.8513	\$ 137,660	125,169	\$ 1.9663	\$ 246,118	\$ 383,779
May	185,113	\$ 3.5972	\$ 665,891	199,585	\$ 0.8534	\$ 170,319	151,667	\$ 1.9740	\$ 299,395	\$ 469,714
June	196,698	\$ 3.5938	\$ 706,884	198,680	\$ 0.8514	\$ 169,154	151,184	\$ 1.9667	\$ 297,332	\$ 466,486
July	251,263	\$ 3.5983	\$ 904,114	240,081	\$ 0.8517	\$ 204,470	184,937	\$ 1.9662	\$ 363,631	\$ 568,102
August	240,960	\$ 3.5966	\$ 866,641	242,193	\$ 0.8521	\$ 206,369	182,321	\$ 1.9698	\$ 359,138	\$ 565,507
September	233,792	\$ 3.5943	\$ 840,316	244,802	\$ 0.8522	\$ 208,618	186,704	\$ 1.9693	\$ 367,676	\$ 576,294
October	149,575	\$ 3.5873	\$ 536,366	157,922	\$ 0.8504	\$ 134,302	122,928	\$ 1.9634	\$ 241,358	\$ 375,660
November	162,855	\$ 3.5879	\$ 584,302	169,668	\$ 0.8504	\$ 144,278	130,435	\$ 1.9615	\$ 255,852	\$ 400,130
December	163,922	\$ 3.5858	\$ 587,788	177,649	\$ 0.8505	\$ 151,092	136,365	\$ 1.9621	\$ 267,564	\$ 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



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	Unit	Current RTSR- Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071	444,628,594	0	3,156,863	37.6%	3,154,803	0.0071
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064	131,807,349	0	843,567	10.0%	843,016	0.0064
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.6464		1,640,396	4,341,144	51.7%	4,338,311	2.6447
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064	1,659,208	0	10,619	0.1%	10,612	0.0064
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.9593		672	1,317	0.0%	1,316	1.9580
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.0005		20,270	40,550	0.5%	40,524	1.9992

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

Rate Class	Rate Description	Unit	Current RTSR- Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR- Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0053	444,628,594	0	2,356,532	39.0%	2,213,848	0.0050
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0046	131,807,349	0	606,314	10.0%	569,603	0.0043
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8580		1,640,396	3,047,856	50.4%	2,863,314	1.7455
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0046	1,659,208	0	7,632	0.1%	7,170	0.0043
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.5526		672	1,043	0.0%	980	1.4586
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4275		20,270	28,935	0.5%	27,183	1.3411

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

Rate Class	Rate Description	Unit	Adjusted RTSR- Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Proposed RTSR- Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071	444,628,594	0	3,154,803	37.6%	3,153,662	0.0071
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064	131,807,349	0	843,016	10.0%	842,712	0.0064
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.6447		1,640,396	4,338,311	51.7%	4,336,742	2.6437
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064	1,659,208	0	10,612	0.1%	10,608	0.0064
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.9580		672	1,316	0.0%	1,315	1.9573
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.9992		20,270	40,524	0.5%	40,509	1.9985

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

Rate Class	Rate Description	Unit	Adjusted RTSR- Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Proposed RTSR- Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0050	444,628,594	0	2,213,848	39.0%	2,128,893	0.0048
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0043	131,807,349	0	569,603	10.0%	547,744	0.0042
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.7455		1,640,396	2,863,314	50.4%	2,753,435	1.6785
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0043	1,659,208	0	7,170	0.1%	6,895	0.0042
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.4586		672	980	0.0%	943	1.4026
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.3411		20,270	27,183	0.5%	26,140	1.2896



Ontario Energy Board

Incentive Regulation Model for 2017 Filers

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

Price Escalator	2.10%	Productivity Factor	0.00%	# of Residential Customers (approved in the last CoS)	47,067	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			

Rate Class	Current MFC	MFC Adjustment from R/C Model	Current Volumetric Charge	DVR Adjustment from R/C Model	Price Cap Index to be Applied to MFC and DVR	Proposed MFC	Proposed Volumetric Charge
RESIDENTIAL SERVICE CLASSIFICATION	21.94		0.0139		1.80%	25.74	0.0095
GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION	38.05		0.0139		1.80%	38.73	0.0142
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	103.43		3.3809		1.80%	105.29	3.4418
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	19.65		0.0137		1.80%	20.00	0.0139
SENTINEL LIGHTING SERVICE CLASSIFICATION	17.09		21.3249		1.80%	17.40	21.7087
STREET LIGHTING SERVICE CLASSIFICATION	1.21		4.7185		1.80%	1.23	4.8034
microFIT SERVICE CLASSIFICATION	5.4					5.4	

Rate Design Transition		Revenue from Rates	Current F/V Split	Decoupling MFC Split	Incremental Fixed Charge (\$/month/year)	New F/V Split	Adjusted Rates ¹	Revenue at New F/V Split
Current Residential Fixed Rate (inclusive of R/C adj.)	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

Incentive Regulation Model for 2017 Filers

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

Incentive Regulation Model for 2017 Filers

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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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

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

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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)
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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)
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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)
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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)
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Class E

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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)

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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.

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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	\$	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

Niagara Peninsula Energy Inc.

TARIFF OF RATES AND CHARGES

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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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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

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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.

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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 (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
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Niagara Peninsula Energy Inc.

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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

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

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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

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
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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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	\$/kW	(0.6000)
Primary Metering Allowance for transformer losses - applied to measured demand and energy	%	(1.00)

Niagara Peninsula Energy Inc.

TARIFF OF RATES AND CHARGES

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SPECIFIC SERVICE CHARGES

APPLICATION

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

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

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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 attachments)

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RETAIL SERVICE CHARGES (if applicable)

APPLICATION

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

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

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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

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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

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.

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.

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

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								

[illegible]



Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	750	kWh	
Demand	-	kW	
Current Loss Factor	1.0479		
Proposed/Approved Loss Factor	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	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	\$ 0.1114	36	\$ 4.00	\$ 0.1114	36	\$ 4.00	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	750	\$ -	\$ 0.0063	750	\$ (4.73)	\$ (4.73)	
GA Rate Riders			\$ -		750	\$ -	\$ -	
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-Total A)			\$ 36.00			\$ 33.46	\$ (2.54)	-7.06%
RTSR - Network	\$ 0.0071	786	\$ 5.58	\$ 0.0071	786	\$ 5.58	\$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0053	786	\$ 4.17	\$ 0.0048	786	\$ 3.77	\$ (0.39)	-9.43%
Sub-Total C - Delivery (including Sub-Total B)			\$ 45.74			\$ 42.81	\$ (2.93)	-6.41%
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	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)								
Ontario Electricity Support Program (OESP)	\$ 0.0011	786	\$ 0.86	\$ 0.0011	786	\$ 0.86	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	488	\$ 42.41	\$ 0.0870	488	\$ 42.41	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	128	\$ 16.83	\$ 0.1320	128	\$ 16.83	\$ -	0.00%
TOU - On Peak	\$ 0.1800	135	\$ 24.30	\$ 0.1800	135	\$ 24.30	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 134.25			\$ 131.32	\$ (2.93)	-2.18%
HST	13%		\$ 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 OEB-Approved			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	\$ -	\$ -	
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-Total A)			\$ 74.34			\$ 69.39	\$ (4.95)	-6.66%
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-Total B)			\$ 97.39			\$ 91.61	\$ (5.79)	-5.94%
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	\$ 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 (OESP)	\$ 0.0011	2,096	\$ 2.31	\$ 0.0011	2,096	\$ 2.31	\$ -	0.00%
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			\$ 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		
Consumption	65,000	kWh	
Demand	180	kW	
Current Loss Factor	1.0479		
Proposed/Approved Loss Factor	1.0479		

	Current OEB-Approved			Proposed			Impact	
	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	\$ -	180	\$ -	\$ 2.3198	180	\$ (417.56)	\$ (417.56)	
GA Rate Riders			\$ -	\$ -	65,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.1612	180	\$ 29.02	\$ 0.1612	180	\$ 29.02	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 528.25			\$ 365.07	\$ (163.19)	-30.89%
RTSR - Network	\$ 2.6464	180	\$ 476.35	\$ 2.6437	180	\$ 475.87	\$ (0.49)	-0.10%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.8580	180	\$ 334.44	\$ 1.6785	180	\$ 302.13	\$ (32.31)	-9.66%
Sub-Total C - Delivery (including Sub-Total B)			\$ 1,339.05			\$ 1,143.06	\$ (195.98)	-14.64%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	68,114	\$ 245.21	\$ 0.0036	68,114	\$ 245.21	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	68,114	\$ 88.55	\$ 0.0013	68,114	\$ 88.55	\$ -	0.00%
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 (OESP)	\$ 0.0011	68,114	\$ 74.92	\$ 0.0011	68,114	\$ 74.92	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	44,274	\$ 3,851.82	\$ 0.0870	44,274	\$ 3,851.82	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	11,579	\$ 1,528.47	\$ 0.1320	11,579	\$ 1,528.47	\$ -	0.00%
TOU - On Peak	\$ 0.1800	12,260	\$ 2,206.88	\$ 0.1800	12,260	\$ 2,206.88	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 9,790.14			\$ 9,594.16	\$ (195.98)	-2.00%
HST		13%	\$ 1,272.72		13%	\$ 1,247.24	\$ (25.48)	-2.00%
Total Bill on TOU			\$ 11,062.86			\$ 10,841.40	\$ (221.46)	-2.00%

Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	250	kWh	
Demand	-	kW	
Current Loss Factor	1.0479		
Proposed/Approved Loss Factor	1.0479		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 19.65	1	\$ 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	\$ 0.1114	12	\$ 1.33	\$ 0.1114	12	\$ 1.33	\$ -	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-Total A)			\$ 23.55			\$ 23.38	\$ (0.17)	-0.72%
RTSR - Network	\$ 0.0064	262	\$ 1.68	\$ 0.0064	262	\$ 1.68	\$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0046	262	\$ 1.21	\$ 0.0042	262	\$ 1.10	\$ (0.10)	-8.70%
Sub-Total C - Delivery (including Sub-Total B)			\$ 26.44			\$ 26.16	\$ (0.27)	-1.04%
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	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	250	\$ 1.75	\$ 0.0070	250	\$ 1.75	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	262	\$ 0.29	\$ 0.0011	262	\$ 0.29	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	163	\$ 14.14	\$ 0.0870	163	\$ 14.14	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	43	\$ 5.61	\$ 0.1320	43	\$ 5.61	\$ -	0.00%
TOU - On Peak	\$ 0.1800	45	\$ 8.10	\$ 0.1800	45	\$ 8.10	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 57.85			\$ 57.58	\$ (0.27)	-0.47%
HST	13%		\$ 7.52	13%		\$ 7.49	\$ (0.04)	-0.47%
Total Bill on TOU			\$ 65.38			\$ 65.07	\$ (0.31)	-0.47%

Customer Class:	SENTINEL LIGHTING SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	44	kWh	
Demand	0	kW	
Current Loss Factor	1.0479		
Proposed/Approved Loss Factor	1.0479		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 17.09	1	\$ 17.09	\$ 17.40	1	\$ 17.40	\$ 0.31	1.81%
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	-100.00%
Volumetric Rate Riders	\$ 1.2734	0.12	\$ (0.15)	\$ -	0.12	\$ -	\$ 0.15	-100.00%
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	\$ -	0.00%
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	\$ -	0.00%
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	\$ 1.9593	0	\$ 0.24	\$ 1.9573	0	\$ 0.23	\$ (0.00)	-0.10%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.5526	0	\$ 0.19	\$ 1.4026	0	\$ 0.17	\$ (0.02)	-9.66%
Sub-Total C - Delivery (including Sub-Total B)			\$ 20.04			\$ 20.38	\$ 0.34	1.70%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	46	\$ 0.17	\$ 0.0036	46	\$ 0.17	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	46	\$ 0.06	\$ 0.0013	46	\$ 0.06	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	44	\$ 0.31	\$ 0.0070	44	\$ 0.31	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	46	\$ 0.05	\$ 0.0011	46	\$ 0.05	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	29	\$ 2.49	\$ 0.0870	29	\$ 2.49	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	7	\$ 0.99	\$ 0.1320	7	\$ 0.99	\$ -	0.00%
TOU - On Peak	\$ 0.1800	8	\$ 1.43	\$ 0.1800	8	\$ 1.43	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 25.77			\$ 26.12	\$ 0.34	1.32%
HST	13%		\$ 3.35	13%		\$ 3.39	\$ 0.04	1.32%
Total Bill on TOU			\$ 29.13			\$ 29.51	\$ 0.39	1.32%

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	50	kWh
Demand	0	kW
Current Loss Factor	1.0479	
Proposed/Approved Loss Factor	1.0479	

	Current OEB-Approved			Proposed			Impact	
	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	\$ 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-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 Transformation Connection	\$ 1.4275	0	\$ 0.19	\$ 1.2896	0	\$ 0.17	\$ (0.02)	-9.66%
Sub-Total C - Delivery (including Sub-Total B)			\$ 2.40			\$ 2.28	\$ (0.12)	-4.82%
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	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	50	\$ 0.35	\$ 0.0070	50	\$ 0.35	\$ -	0.00%
Ontario Electricity Support Program (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	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 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	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-Total A)			\$ 36.05			\$ 36.96	\$ 0.91	2.52%
RTSR - Network	\$ 0.0071	786	\$ 5.58	\$ 0.0071	786	\$ 5.58	\$ -	0.00%
RTSR - Connection and/or Line and 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	13%		\$ 17.65	\$ 0.07	0.38%
Total Bill on Non-RPP Avg. Price			\$ 152.85			\$ 153.43	\$ 0.58	0.38%

Customer Class:	GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Retailer)
Consumption	2,000 kWh
Demand	- kW
Current Loss Factor	1.0479
Proposed/Approved Loss Factor	1.0479

	Current OEB-Approved			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	\$ 0.1130	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-Total A)			\$ 74.50			\$ 78.75	\$ 4.25	5.71%
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-Total B)			\$ 97.55			\$ 100.96	\$ 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 (OESP)	\$ 0.0011	2,096	\$ 2.31	\$ 0.0011	2,096	\$ 2.31	\$ -	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%

Customer Class:	GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION		
RPP / Non-RPP:	Non-RPP (Retailer)		
Consumption	65,000	kWh	
Demand	180	kW	
Current Loss Factor	1.0479		
Proposed/Approved Loss Factor	1.0479		

	Current OEB-Approved			Proposed			Impact	
	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	\$ -	180	\$ -	\$ 2.3198	180	\$ (417.56)	\$ (417.56)	
GA Rate Riders				\$ 0.0046	65,000	\$ 299.00	\$ 299.00	
Low Voltage Service Charge	\$ 0.1612	180	\$ 29.02	\$ 0.1612	180	\$ 29.02	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 528.25			\$ 664.07	\$ 135.81	25.71%
RTSR - Network	\$ 2.6464	180	\$ 476.35	\$ 2.6437	180	\$ 475.87	\$ (0.49)	-0.10%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.8580	180	\$ 334.44	\$ 1.6785	180	\$ 302.13	\$ (32.31)	-9.66%
Sub-Total C - Delivery (including Sub-Total B)			\$ 1,339.05			\$ 1,442.06	\$ 103.02	7.69%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	68,114	\$ 245.21	\$ 0.0036	68,114	\$ 245.21	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	68,114	\$ 88.55	\$ 0.0013	68,114	\$ 88.55	\$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)	\$ 0.0070	65,000	\$ 455.00	\$ 0.0070	65,000	\$ 455.00	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	68,114	\$ 74.92	\$ 0.0011	68,114	\$ 74.92	\$ -	0.00%
Non-RPP Retailer Avg. Price	\$ 0.1130	68,114	\$ 7,696.83	\$ 0.1130	68,114	\$ 7,696.83	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 9,899.55			\$ 10,002.57	\$ 103.02	1.04%
HST	13%		\$ 1,286.94	13%		\$ 1,300.33	\$ 13.39	1.04%
Total Bill on Non-RPP Avg. Price			\$ 11,186.49			\$ 11,302.90	\$ 116.41	1.04%

Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION		
RPP / Non-RPP:	Non-RPP (Retailer)		
Consumption	250	kWh	
Demand	-	kW	
Current Loss Factor	1.0479		
Proposed/Approved Loss Factor	1.0479		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 19.65	1	\$ 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-Total A)			\$ 23.57			\$ 23.40	\$ (0.17)	-0.72%
RTSR - Network	\$ 0.0064	262	\$ 1.68	\$ 0.0064	262	\$ 1.68	\$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0046	262	\$ 1.21	\$ 0.0042	262	\$ 1.10	\$ (0.10)	-8.70%
Sub-Total C - Delivery (including Sub-Total B)			\$ 26.45			\$ 26.18	\$ (0.27)	-1.04%
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)	\$ 0.0070	250	\$ 1.75	\$ 0.0070	250	\$ 1.75	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	262	\$ 0.29	\$ 0.0011	262	\$ 0.29	\$ -	0.00%
Non-RPP Retailer Avg. Price	\$ 0.1130	250	\$ 28.25	\$ 0.1130	250	\$ 28.25	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 58.03			\$ 57.75	\$ (0.27)	-0.47%
HST	13%		\$ 7.54	13%		\$ 7.51	\$ (0.04)	-0.47%
Total Bill on Non-RPP Avg. Price			\$ 65.57			\$ 65.26	\$ (0.31)	-0.47%

Customer Class:	SENTINEL LIGHTING SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Retailer)
Consumption	44 kWh
Demand	0 kW
Current Loss Factor	1.0479
Proposed/Approved Loss Factor	1.0479

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 17.09	1	\$ 17.09	\$ 17.40	1	\$ 17.40	\$ 0.31	1.81%
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	-100.00%
Volumetric Rate Riders	\$ 1.2734	0.12	\$ (0.15)	\$ -	0.12	\$ -	\$ 0.15	-100.00%
Sub-Total A (excluding pass through)			\$ 19.37			\$ 20.01	\$ 0.64	3.30%
Line Losses on Cost of Power	\$ 0.1130	2	\$ 0.24	\$ 0.1130	2	\$ 0.24	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	0	\$ -	\$ 2.3316	0	\$ (0.28)	\$ (0.28)	
GA Rate Riders				\$ 0.0046	44	\$ 0.20	\$ 0.20	
Low Voltage Service Charge	\$ 0.1347	0	\$ 0.02	\$ 0.1347	0	\$ 0.02	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 19.62			\$ 20.18	\$ 0.56	2.86%
RTSR - Network	\$ 1.9593	0	\$ 0.24	\$ 1.9573	0	\$ 0.23	\$ (0.00)	-0.10%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.5526	0	\$ 0.19	\$ 1.4026	0	\$ 0.17	\$ (0.02)	-9.66%
Sub-Total C - Delivery (including Sub-Total B)			\$ 20.04			\$ 20.59	\$ 0.54	2.71%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	46	\$ 0.17	\$ 0.0036	46	\$ 0.17	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	46	\$ 0.06	\$ 0.0013	46	\$ 0.06	\$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)	\$ 0.0070	44	\$ 0.31	\$ 0.0070	44	\$ 0.31	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	46	\$ 0.05	\$ 0.0011	46	\$ 0.05	\$ -	0.00%
Non-RPP Retailer Avg. Price	\$ 0.1130	44	\$ 4.97	\$ 0.1130	44	\$ 4.97	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 25.60			\$ 26.14	\$ 0.54	2.12%
HST	13%		\$ 3.33	13%		\$ 3.40	\$ 0.07	2.12%
Total Bill on Non-RPP Avg. Price			\$ 28.93			\$ 29.54	\$ 0.61	2.12%

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Retailer)
Consumption	50 kWh
Demand	0 kW
Current Loss Factor	1.0479
Proposed/Approved Loss Factor	1.0479

	Current OEB-Approved			Proposed			Impact	
	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	\$ 0.1130	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-Total A)			\$ 1.96			\$ 2.09	\$ 0.13	6.78%
RTSR - Network	\$ 2.0005	0	\$ 0.26	\$ 1.9985	0	\$ 0.26	\$ (0.00)	-0.10%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.4275	0	\$ 0.19	\$ 1.2896	0	\$ 0.17	\$ (0.02)	-9.66%
Sub-Total C - Delivery (including Sub-Total B)			\$ 2.40			\$ 2.52	\$ 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 (OESP)	\$ 0.0011	52	\$ 0.06	\$ 0.0011	52	\$ 0.06	\$ -	0.00%
Non-RPP Retailer Avg. Price	\$ 0.1130	50	\$ 5.65	\$ 0.1130	50	\$ 5.65	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 8.72			\$ 8.83	\$ 0.11	1.31%
HST	13%		\$ 1.13	13%		\$ 1.15	\$ 0.01	1.31%
Total Bill on Non-RPP Avg. Price			\$ 9.85			\$ 9.98	\$ 0.13	1.31%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	286	kWh
Demand	-	kW
Current Loss Factor	1.0479	
Proposed/Approved Loss Factor	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	285.5	\$ 3.97	\$ 0.0095	285.5	\$ 2.71	\$ (1.26)	-31.65%
Fixed Rate Riders	\$ 0.79	1	\$ 0.79	\$ -	1	\$ -	\$ (0.79)	-100.00%
Volumetric Rate Riders	\$ 0.0031	285.5	\$ (0.89)	\$ 0.0002	285.5	\$ 0.06	\$ 0.94	-106.45%
Sub-Total A (excluding pass through)			\$ 25.81			\$ 28.51	\$ 2.70	10.44%
Line Losses on Cost of Power	\$ 0.1114	14	\$ 1.52	\$ 0.1114	14	\$ 1.52	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	286	\$ -	\$ 0.0063	286	\$ (1.80)	\$ (1.80)	
GA Rate Riders			\$ -		286	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0005	286	\$ 0.14	\$ 0.0005	286	\$ 0.14	\$ -	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-Total A)			\$ 28.27			\$ 29.17	\$ 0.90	3.17%
RTSR - Network	\$ 0.0071	299	\$ 2.12	\$ 0.0071	299	\$ 2.12	\$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0053	299	\$ 1.59	\$ 0.0048	299	\$ 1.44	\$ (0.15)	-9.43%
Sub-Total C - Delivery (including Sub-Total B)			\$ 31.98			\$ 32.73	\$ 0.75	2.34%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	299	\$ 1.08	\$ 0.0036	299	\$ 1.08	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	299	\$ 0.39	\$ 0.0013	299	\$ 0.39	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)								
Ontario Electricity Support Program (OESP)	\$ 0.0011	299	\$ 0.33	\$ 0.0011	299	\$ 0.33	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	186	\$ 16.15	\$ 0.0870	186	\$ 16.15	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	49	\$ 6.41	\$ 0.1320	49	\$ 6.41	\$ -	0.00%
TOU - On Peak	\$ 0.1800	51	\$ 9.25	\$ 0.1800	51	\$ 9.25	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 65.83			\$ 66.57	\$ 0.75	1.14%
HST	13%		\$ 8.56	13%		\$ 8.65	\$ 0.10	1.14%
Total Bill on TOU			\$ 74.38			\$ 75.23	\$ 0.84	1.14%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Retailer)
Consumption	286 kWh
Demand	- kW
Current Loss Factor	1.0479
Proposed/Approved Loss Factor	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	285.5	\$ 3.97	\$ 0.0095	285.5	\$ 2.71	\$ (1.26)	-31.65%
Fixed Rate Riders	\$ 0.79	1	\$ 0.79	\$ -	1	\$ -	\$ (0.79)	-100.00%
Volumetric Rate Riders	\$ 0.0031	285.5	\$ (0.89)	\$ 0.0002	285.5	\$ 0.06	\$ 0.94	-106.45%
Sub-Total A (excluding pass through)			\$ 25.81			\$ 28.51	\$ 2.70	10.44%
Line Losses on Cost of Power	\$ 0.1130	14	\$ 1.55	\$ 0.1130	14	\$ 1.55	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	286	\$ -	\$ 0.0063	286	\$ (1.80)	\$ (1.80)	
GA Rate Riders				\$ 0.0046	286	\$ 1.31	\$ 1.31	
Low Voltage Service Charge	\$ 0.0005	286	\$ 0.14	\$ 0.0005	286	\$ 0.14	\$ -	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-Total A)			\$ 28.29			\$ 30.50	\$ 2.21	7.81%
RTSR - Network	\$ 0.0071	299	\$ 2.12	\$ 0.0071	299	\$ 2.12	\$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0053	299	\$ 1.59	\$ 0.0048	299	\$ 1.44	\$ (0.15)	-9.43%
Sub-Total C - Delivery (including Sub-Total B)			\$ 32.00			\$ 34.06	\$ 2.06	6.44%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	299	\$ 1.08	\$ 0.0036	299	\$ 1.08	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	299	\$ 0.39	\$ 0.0013	299	\$ 0.39	\$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)								
Ontario Electricity Support Program (OESP)	\$ 0.0011	299	\$ 0.33	\$ 0.0011	299	\$ 0.33	\$ -	0.00%
Non-RPP Retailer Avg. Price	\$ 0.1130	286	\$ 32.26	\$ 0.1130	286	\$ 32.26	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 66.06			\$ 68.12	\$ 2.06	3.12%
HST	13%		\$ 8.59	13%		\$ 8.86	\$ 0.27	3.12%
Total Bill on Non-RPP Avg. Price			\$ 74.65			\$ 76.97	\$ 2.33	3.12%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	1,600	kWh
Demand	-	kW
Current Loss Factor	1.0479	
Proposed/Approved Loss Factor	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	\$ 0.1114	77	\$ 8.54	\$ 0.1114	77	\$ 8.54	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	1,600	\$ -	\$ 0.0063	1,600	\$ (10.08)	\$ (10.08)	
GA Rate Riders			\$ -		1,600	\$ -	\$ -	
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-Total A)			\$ 50.14			\$ 41.31	\$ (8.83)	-17.61%
RTSR - Network	\$ 0.0071	1,677	\$ 11.90	\$ 0.0071	1,677	\$ 11.90	\$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0053	1,677	\$ 8.89	\$ 0.0048	1,677	\$ 8.05	\$ (0.84)	-9.43%
Sub-Total C - Delivery (including Sub-Total B)			\$ 70.93			\$ 61.26	\$ (9.67)	-13.63%
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	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)								
Ontario Electricity Support Program (OESP)	\$ 0.0011	1,677	\$ 1.84	\$ 0.0011	1,677	\$ 1.84	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	1,040	\$ 90.48	\$ 0.0870	1,040	\$ 90.48	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	272	\$ 35.90	\$ 0.1320	272	\$ 35.90	\$ -	0.00%
TOU - On Peak	\$ 0.1800	288	\$ 51.84	\$ 0.1800	288	\$ 51.84	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 259.46			\$ 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 SERVICE CLASSIFICATION		
RPP / Non-RPP:	Non-RPP (Retailer)		
Consumption	1,600	kWh	
Demand	-	kW	
Current Loss Factor	1.0479		
Proposed/Approved Loss Factor	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-Total A)			\$ 50.26			\$ 48.79	\$ (1.47)	-2.92%
RTSR - Network	\$ 0.0071	1,677	\$ 11.90	\$ 0.0071	1,677	\$ 11.90	\$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0053	1,677	\$ 8.89	\$ 0.0048	1,677	\$ 8.05	\$ (0.84)	-9.43%
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 (OESP)	\$ 0.0011	1,677	\$ 1.84	\$ 0.0011	1,677	\$ 1.84	\$ -	0.00%
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			\$ 259.60	\$ (2.31)	-0.88%
HST	13%		\$ 34.05	13%		\$ 33.75	\$ (0.30)	-0.88%
Total Bill on Non-RPP Avg. Price			\$ 295.96			\$ 293.35	\$ (2.61)	-0.88%

Appendix E

OEB LRAMVA Work Form



Ontario Energy Board

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	Amount of LRAM claimed in the past	\$ -
Exhibit		Years of LRAM Claimed	None
Schedule		Last Cost of Service Application (File No.)	EB-2014-0096
Tab			
Page			
Legend	User Inputs (Green)	Amount of LRAMVA to claim	\$496,933.79
	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



Ontario Energy Board

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 persistence 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 results.

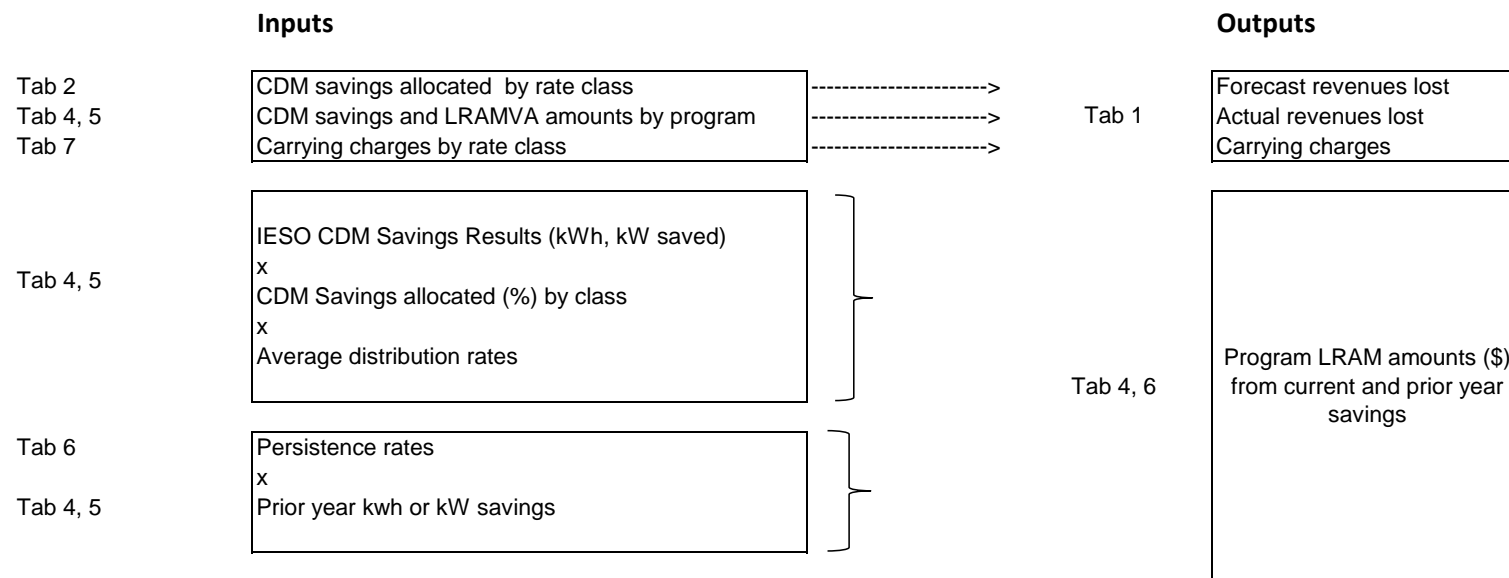


Ontario Energy Board

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.





Ontario Energy Board

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

Note:

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

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

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.



Ontario Energy Board

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)

Auto Populated Cells (White)

Table 5. Distribution Volumetric Rate by Billing Period

Decision & Orders for Approved Volumetric Rates:	EB-2009-0205, EB-2009-0206	EB-2010-0138	EB-2011-0185	EB-2012-0150	EB-2013-0154	EB-2014-0096	5-0090/EB-2015-0090		
Rate Class	Billing Unit	May 1, 2010- April 30, 2011	June 1, 2011- April 30, 2012	May 1, 2012- April 30, 2013	May 1, 2013- April 30, 2014	May 1, 2014- April 30, 2015	June 1, 2015- April 30, 2016	May 1, 2016- April 30, 2017	May 1, 2017 - April 30, 2017
<i>Rate Year</i>		2010	2011	2012	2013	2014	2015	2016	2017
<i>Pro-ratio of Rates (months) - Period 1</i>		4	5	4	4	4	5	4	
<i>Pro-ratio of Rates (months) - Period 2</i>		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	\$ -



Ontario Energy Board

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 supported 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)
Auto Populated Cells (White)

Table 7. 2011 Lost Revenues Work Form

#	Initiative	Results Status	Months of Demand Savings	Net Incremental Peak Demand Savings (kW)	Net Incremental Energy Savings (kWh)	Rate Allocation for LRAMVA									
				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%	10%					100%			
2	Appliance Exchange	Verified	12	4	4,714	100%						100%			
3	HVAC Incentives	Verified	12	282	504,642	90%						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%							
11	Building Commissioning	Verified	3												
12	New Construction	Verified	12												
13	Energy Audit	Verified	12					100%				100%			
14	Commercial Demand Response (part of residential program)	Verified		3		100%						100%			
15	Demand Response 3	Verified		106	4,146										

2011

Adjustments to 2011 results (if any)		True-up	12	41	147,801	64%		21%		Page 149 of 194	
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%	
20	Demand Response 3	Verified		63	3,710			100%		100%	
Adjustments to 2011 results (if any)		True-up	12								
Home Assistance Program											
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											
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								
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 Commissioning)								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			
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 Savings	Net Incremental Peak Demand Savings (kW)	Net Incremental Energy Savings (kWh)	Rate Allocation for LRAMVA						
				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%	10%				100%	
2	Appliance Exchange	Verified	12	8	14,737	100%					100%	
3	HVAC Incentives	Verified	12	151	253,365	90%					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%	

2012

8	Residential Demand Response (IHD)	Verified			100%					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							
13	New Construction	Verified	12				100%			100%
14	Energy Audit	Verified	12	41	201,410		100%			100%
15	Small Commercial Demand Response (switch/pstat)*	Verified								
16	Small Commercial Demand Response (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%			
Industrial Program										
18	Process & System Upgrades	Verified	12							
19	Monitoring & Targeting	Verified	12							
20	Energy Manager	Verified	12							
21	Retrofit	Verified	12							
22	Demand Response 3	Verified		65	1,578		100%			100%
	Adjustments to 2012 results (if any)	True-up	12							
Home Assistance Program										
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										
24	Electricity Retrofit Incentive Program	Verified	12							
25	High Performance New Construction	Verified	12	136	643,518		100%			100%
26	Toronto Comprehensive	Verified	12							
27	Multifamily Energy Efficiency Rebates	Verified	12							
28	LDC Custom Programs	Verified	12							
	Adjustments to 2012 results (if any)	True-up	12							
Other										
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 Commissioning)							13,896		
Distribution Rate in 2012						\$0.0157	\$0.0134	\$4.1726	\$0.0132	\$10.8059
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						772,378	755,053	10,978		

Table 9. 2013 Lost Revenues Work Form

#	Initiative	Results Status	Months of Demand	Net Incremental Peak Demand Savings (kW)	Net Incremental Energy Savings (kWh)	Rate Allocation for LRAMVA				
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2013

	Initiative	Results Status	Demand Savings	2013 kW Saved	2013 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	67,743	100%	10%					100%
2	Appliance Exchange	Verified	12	8	14,778	100%						100%
3	HVAC Incentives	Verified	12	150	253,570	90%						100%
4	Conservation Instant Coupon Booklet	Verified	12	5	76,648	100%						100%
5	Bi-Annual Retailer Event	Verified	12	12	170,846	100%						100%
6	Retailer Co-op	Verified	12			100%						100%
7	Residential Demand Response (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												
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 (switch/pstat)*	Verified		3	5		100%					100%
16	Small Commercial Demand Response (IHD)	Verified										
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												
18	Process & System Upgrades	Verified	12									100%
19	Monitoring & Targeting	Verified	12									
20	Energy Manager	Verified	12									
21	Retrofit	Verified	12									
22	Demand Response 3	Verified		472	10,747							
	Adjustments to 2013 results (if any)	True-up	12	0	10,468			100%				
Home Assistance Program												
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												
24	Electricity Retrofit Incentive Program	Verified	12									
25	High Performance New Construction	Verified	12									
26	Toronto Comprehensive	Verified	12									
27	Multifamily Energy Efficiency Rebates	Verified	12									
28	LDC Custom Programs	Verified	12									
	Adjustments to 2013 results (if any)	True-up	12									
Other												
29	Program Enabled Savings	Verified	12	4	93,443			100%				100%
30	Time-of-Use Savings	Verified	12									
	Adjustments to 2013 results (if any)	True-up	12									
	Total kWh					948,935	1,492,478					2,441,413
	Total kWh (excludes DR)					948,727	1,492,473					
	Total GS > 50 kW							5,073				5,073
	Total GS > 50 kW (excludes Building Commissioning)							5,073				
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				\$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

Total Lost Revenue in 2013	\$46,117	\$51,780	\$117,847	\$215,745
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

#	Initiative	Results Status	Months of Demand Savings	Net Incremental Peak Demand Savings (kW)	Net Incremental Energy Savings (kWh)	Rate Allocation for LRAMVA						
				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%	10%					100%
2	Appliance Exchange	Verified	12	8	13,669	100%						100%
3	HVAC Incentives	Verified	12	190	348,841	90%						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 (switch/pstat)	Verified		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%
12	Building Commissioning	Verified	3									
13	New Construction	Verified	12	33	147,659			100%				100%
14	Energy Audit	Verified	12	94	456,915			100%				100%
15	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%
19	Monitoring & Targeting	Verified	12									
20	Energy Manager	Verified	12		17,076			100%				100%
21	Retrofit	Verified	12									
22	Demand Response 3	Verified		444				100%				100%
	Adjustments to 2014 results (if any)	True-up	12									
Home Assistance Program												
23	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												
24	Electricity Retrofit Incentive Program	Verified	12									
25	High Performance New Construction	Verified	12									
26	Toronto Comprehensive	Verified	12									
27	Multifamily Energy Efficiency Rebates	Verified	12									
28	LDC Custom Programs	Verified	12									
	Adjustments to 2014 results (if any)	True-up	12									
Other												
29	Program Enabled Savings	Verified	12					100%				100%
30	Time-of-Use Savings	Verified	12	638								

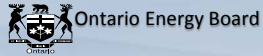
Adjustments to 2014 results (if any)		True-up	12								
Total kWh						2,907,365	1,323,861				4,231,226
Total kWh (excludes DR)						2,907,365	1,323,861				
Total GS > 50 kW								9,099			9,099
Total GS > 50 kW (excludes Building Commissioning)								9,099			
Distribution Rate in 2014						\$0.0159	\$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			

#	Initiative	Results Status	Months of Demand Savings	Net Incremental Energy Savings (kWh)	Net Incremental Peak Demand Savings (kW)	Rate Allocation for LRAMVA								
				2015 kWh saved	2015 kW saved	Residential	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 Programs														
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 Initiative	Verified	12	207	390,215	100%								100%
6	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									100%
8	Efficiency: Equipment Replacement Incentive Initiative	Verified	12	1,089	10,499,202	1%	74%	26%						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						
15 Low Income Initiative	Verified	12	9	96,218	100%	100%
Adjustments to 2015 results (if any)	True-up	12				
Pilots						
16 Loblaws Pilot	Verified	12				
17 Social Benchmarking Pilot	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 Programs						
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			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 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 Fund	Verified	12			100%	100%
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 Motor Pilot	Verified	12			100%	100%
40 Horizon Utilities Corporation - Social Benchmarking Pilot	Verified	12			100%	100%
41 Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot	Verified	12			100%	100%
42 Hydro Ottawa Limited - Residential Demand Response Wi-Fi Thermostat Pilot	Verified	12			100%	100%
43 Kitchener-Wilmot Hydro Inc. - Pilot - DCKV	Verified	12			100%	100%

44	Niagara-on-the-Lake Hydro Inc. - Direct 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 Commissioning)							10,843					
Distribution Rate in 2015						\$0.0175	\$0.0138	\$3.7209	\$0.0136	\$18.8528	\$4.5821		
Lost Revenue in 2015 from 2011 programs						Embedded in forecast							
Lost Revenue in 2015 from 2012 programs													
Lost Revenue in 2015 from 2013 programs													
Lost Revenue in 2015 from 2014 programs													
Lost Revenue in 2015 from 2015 programs						\$50,857	\$17,547	\$33,706					\$102,110
Total Lost Revenue in 2015						\$39,725	\$39,831	\$40,346					\$119,902
						\$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 here.

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

Initiative	Incremental Peak Demand Savings (kW)					Incremental Energy Savings (kWh)				
	2012	2013	2014	2015	2016	2012	2013	2014	2015	2016
Consumer Program										
Appliance Retirement	30	30	30	18		214,685	214,685	213,977	140,429	
Appliance Exchange	4	4	1			4,714	4,714	1,891		
HVAC Incentives	282	282	282	282	282	504,642	504,642	504,642	504,642	504,642
Conservation Instant Coupon										
Booklet	15	15	15	14	13	272,325	272,325	272,325	248,788	223,075
Bi-Annual Retailer Event	17	17	17	16	14	292,245	292,245	292,245	267,090	239,610
Retailer Co-op										
Residential Demand Response										
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
Business Program										
Retrofit	168	168	168	168	168	927,120	927,120	927,120	927,120	927,120
Direct Install Lighting	333	308	197	197	197	903,623	826,410	517,708	517,160	516,890
Building Commissioning										
New Construction										
Energy Audit										
Small Commercial Demand Response										
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
Industrial Program										
Process & System Upgrades										
Monitoring & Targeting										
Energy Manager										
Retrofit	2	2	2	2	2	13,815	13,815	13,815	13,815	13,815
Demand Response 3										
Industrial Program Total	2	2	2	2	2	13,815	13,815	13,815	13,815	13,815
Home Assistance Program										
Home Assistance Program	0	0	0	0	0	9,137	9,137	9,137	9,137	9,137
Home Assistance Program Total	0	0	0	0	0	9,137	9,137	9,137	9,137	9,137
Pre-2011 Programs completed in 2011										
Electricity Retrofit Incentive Program	264	264	264	264	264	1,480,972	1,480,972	1,480,972	1,480,972	1,480,972
High Performance New Construction	77	77	77	77	77	395,844	395,844	395,844	395,844	395,844

Table 20. Persistence by Program from the IESO for 2011 Program Adjustments

Initiative	Incremental Peak Demand Savings (kW)					Incremental Energy Savings (kWh)				
	2012	2013	2014	2015	2016	2012	2013	2014	2015	2016
Consumer Program										
Appliance Retirement										
Appliance Exchange										
HVAC Incentives	-47	-47	-47	-47	-47	-85,312	-85,312	-85,312	-85,312	-85,312
Conservation Instant Coupon										
Booklet	0	0	0	0	0	2,741	2,741	2,741	2,741	2,505
Bi-Annual Retailer Event	1	1	1	1	1	21,713	21,713	21,713	21,713	19,731
Retailer Co-op										
Residential Demand Response (switch/pstat)										
Residential New Construction										
Consumer Program Total	-46	-46	-46	-46	-46	-60,858	-60,858	-60,858	-60,858	-63,077
Business Program										
Retrofit	4	4	4	4	4	30,127	30,127	30,127	30,127	30,127
Direct Install Lighting	32	31	22	22	22	91,276	88,078	58,951	58,951	58,951
Building Commissioning										
New Construction										
Energy Audit	5	5	5	5		26,398	26,398	26,398	25,176	
Small Commercial Demand Response										
Demand Response 3										
Business Program Total	41	40	31	31	26	147,801	144,603	115,475	114,253	89,077
Industrial Program										
Process & System Upgrades										
Monitoring & Targeting										
Energy Manager										
Retrofit										
Demand Response 3										
Industrial Program Total										
Home Assistance Program										
Home Assistance Program										
Home Assistance Program Total										
Pre-2011 Programs completed in 2011										
Electricity Retrofit Incentive Program										
High Performance New Construction	-1	-1	-1	-1	-1	-255,067	-255,067	-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

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

Initiative	Incremental Peak Demand Savings (kW)					Incremental Energy Savings (kWh)				
	2012	2013	2014	2015	2016	2012	2013	2014	2015	2016
Consumer Program										
Appliance Retirement		20	20	19	10	135,814	135,814	135,302	79,583	
Appliance Exchange		8	8	8		14,737	14,737	14,718		
HVAC Incentives		151	151	151	151	253,365	253,365	253,365	253,365	
Conservation Instant Coupon Booklet		2	2	2	2	13,904	13,904	13,904	13,696	
Bi-Annual Retailer Event		15	15	15	13	266,332	266,332	266,332	239,415	
Retailer Co-Op										
Residential Demand Response (switch/pstat)										
Residential Demand Response (IHD)										
Residential New Construction										
Consumer Program Total		196	196	195	177	684,152	684,152	683,621	586,060	
Business Program										
Retrofit		753	742	502	501	3,439,821	3,404,263	2,623,515	2,616,703	
Direct Install Lighting		177	174	119	119	712,848	697,268	462,275	462,275	
Building Commissioning										
New Construction										
Energy Audit		41	41	41		201,410	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	4,354,080	4,302,941	3,287,199	3,078,978	
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	54,743	54,743	53,731	53,521	
Home Assistance Program Total		5	5	5	5	54,743	54,743	53,731	53,521	
Pre-2011 Programs completed in 2011										
Electricity Retrofit Incentive Program										
High Performance New Construction		136	136	136	136	643,518	643,518	643,518	643,518	
Toronto Comprehensive										
Multifamily Energy Efficiency										
Rebates										
LDC Custom Programs										
Pre-2011 Programs completed in 2011 Total		136	136	136	136	643,518	643,518	643,518	643,518	
Other										
Program Enabled Savings										

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

Initiative	Incremental Peak Demand Savings (kW)					Incremental Energy Savings (kWh)				
	2012	2013	2014	2015	2016	2012	2013	2014	2015	2016
Consumer Program										
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										
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
Home Assistance Program Total		5	5	5	5		53,613	53,613	52,622	52,416
Pre-2011 Programs completed in 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										
Program Enabled Savings		172	172	172	172		2,072,243	2,072,243	2,072,243	2,072,243

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	

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

Initiative	Incremental Peak Demand Savings (kW)					Incremental Energy Savings (kWh)				
	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 Response (IHD)										
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 Total		15	15	14		181,123	181,053	161,556		
Pre-2011 Programs completed in 2011										
Electricity Retrofit Incentive Program										
High Performance New Construction										
Toronto Comprehensive Multifamily Energy Efficiency Rebates										
LDC Custom Programs										
Pre-2011 Programs completed in 2011 Total										
Other										
Program Enabled Savings		4	4	4		93,443	93,443	93,443		
Time-of-Use Savings										
Other Total		4	4	4						
Totals		910	899	860		3,620,609	3,571,111	3,380,074		

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

Initiative	Incremental Peak Demand Savings (kW)					Incremental Energy Savings (kWh)				
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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 22. Persistence by Program from the IESO for 2013 Program Adjustments

Initiative	Incremental Peak Demand Savings (kW)					Incremental Energy Savings (kWh)				
	2012	2013	2014	2015	2016	2012	2013	2014	2015	2016
Consumer Program										
Appliance Retirement										
Appliance Exchange										
HVAC Incentives			8	8	8			14,415	14,415	14,415
Conservation Instant Coupon Booklet			0	0	0			234	225	191
Bi-Annual Retailer Event										
Retailer Co-Op										
Residential Demand Response (switch/pstat)										
Residential Demand Response (IHD)										
Residential New Construction										
			1	1	1			9,652	9,652	9,652
Consumer Program Total			9	9	9			24,301	24,292	24,257
Business Program										
Retrofit			56	56	56			238,983	238,983	238,983
Direct Install Lighting										
Building Commissioning										
New Construction										
Energy Audit			0	0	0			32	32	32
Small Commercial Demand Response (switch/pstat)										
Small Commercial Demand Response (IHD)										
Demand Response 3										
Business Program Total			56	56	56			239,015	239,015	239,015
Industrial Program										
Process & System Upgrades										
Monitoring & Targeting										
Energy Manager			0	0				10,468	10,468	
Retrofit										
Demand Response 3										
Industrial Program Total			0	0				10,468	10,468	
Home Assistance Program										
Home Assistance Program			2	2	2			26,000	25,990	23,191
Home Assistance Program Total			2	2	2			26,000	25,990	23,191
Pre-2011 Programs completed in 2011										
Electricity Retrofit Incentive Program										
High Performance New Construction										
Toronto Comprehensive Multifamily Energy Efficiency Rebates										
LDC Custom Programs										
Pre-2011 Programs completed in 2011 Total										
Other										
Program Enabled Savings										
Time-of-Use Savings										
Other Total										
Totals			67	67	67			299,783	299,764	286,463

Table 23. Persistence by Program from the IESO for 2014 Program Adjustments

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

Table 24. Persistence by Rate Class

Program year	Residential	GS < 50 kW	GS 50 to 4,999 kW	Unmetered Scattered Load	Sentinel Lighting	Street Lighting	"--Unused -- hide	"--Unused -- hide
	kWh	kWh	kW	kWh	kW	kW	kW	
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					

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Total
Consumer Program																				
Appliance Retirement																				
Appliance Exchange																				
HVAC Incentives																				
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																				
Business Program																				
Retrofit																				
Direct Install Lighting																				
Building Commissioning																				
New Construction																				
Energy Audit																				
Small Commercial Demand Response (switch/pstat)																				
Small Commercial Demand Response (IHD)																				
Demand Response 3																				
Business Program Total																				
Industrial Program																				
Process & System Upgrades																				
Monitoring & Targeting																				
Energy Manager																				
Retrofit																				
Demand Response 3																				
Industrial Program Total																				
Home Assistance Program																				
Home Assistance Program																				
Home Assistance Program																				
Total																				
Pre-2011 Programs completed in 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																				
Program Enabled Savings																				
Time-of-Use Savings																				
Other Total																				
Totals																				

	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



Ontario Energy Board

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)

Auto Populated Cells (White)

Table 14: Prescribed Interest Rates

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%

Table 15: Calculation of Carrying Costs by Rate Class

Month	Interest for CDM year	Quarter	Monthly Rate	Residential 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 fiscal year 2011				-\$112.36	\$65.37	\$28.84	\$0.00	\$0.00	\$0.00	-\$18.16
Amount Cleared										
Opening Balance 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	

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Total for fiscal year 2012				-\$391.61	\$372.45	\$512.07	\$0.00	\$0.00	\$0.00	\$492.91
Amount Cleared										
Opening Balance for fiscal year 2013				-\$391.61	\$372.45	\$512.07	\$0.00	\$0.00	\$0.00	\$492.91
Jan-13	2011-2013	Q1	0.12%	-\$26.63	\$41.79	\$81.66	\$0.00	\$0.00	\$0.00	\$96.82
Feb-13	2011-2013	Q1	0.12%	-\$25.62	\$46.24	\$90.12	\$0.00	\$0.00	\$0.00	\$110.74
Mar-13	2011-2013	Q1	0.12%	-\$24.61	\$50.69	\$98.57	\$0.00	\$0.00	\$0.00	\$124.66
Apr-13	2011-2013	Q2	0.12%	-\$23.60	\$55.14	\$107.03	\$0.00	\$0.00	\$0.00	\$138.57
May-13	2011-2013	Q2	0.12%	-\$22.58	\$59.59	\$115.48	\$0.00	\$0.00	\$0.00	\$152.49
Jun-13	2011-2013	Q2	0.12%	-\$21.57	\$64.04	\$123.94	\$0.00	\$0.00	\$0.00	\$166.40
Jul-13	2011-2013	Q3	0.12%	-\$20.56	\$68.49	\$132.39	\$0.00	\$0.00	\$0.00	\$180.32
Aug-13	2011-2013	Q3	0.12%	-\$19.55	\$72.94	\$140.85	\$0.00	\$0.00	\$0.00	\$194.24
Sep-13	2011-2013	Q3	0.12%	-\$18.54	\$77.40	\$149.30	\$0.00	\$0.00	\$0.00	\$208.15
Oct-13	2011-2013	Q4	0.12%	-\$17.53	\$81.85	\$157.75	\$0.00	\$0.00	\$0.00	\$222.07
Nov-13	2011-2013	Q4	0.12%	-\$16.52	\$86.30	\$166.21	\$0.00	\$0.00	\$0.00	\$235.99
Dec-13	2011-2013	Q4	0.12%	-\$15.51	\$90.75	\$174.66	\$0.00	\$0.00	\$0.00	\$249.90
Total for fiscal year 2013				-\$644.43	\$1,167.66	\$2,050.03	\$0.00	\$0.00	\$0.00	\$2,573.26
Amount Cleared										
Opening Balance for fiscal year 2014				-\$644.43	\$1,167.66	\$2,050.03	\$0.00	\$0.00	\$0.00	\$2,573.26
Jan-14	2011-2014	Q1	0.12%	-\$14.50	\$95.20	\$183.12	\$0.00	\$0.00	\$0.00	\$263.82
Feb-14	2011-2014	Q1	0.12%	-\$8.77	\$101.02	\$195.50	\$0.00	\$0.00	\$0.00	\$287.75
Mar-14	2011-2014	Q1	0.12%	-\$3.04	\$106.85	\$207.87	\$0.00	\$0.00	\$0.00	\$311.68
Apr-14	2011-2014	Q2	0.12%	\$2.69	\$112.68	\$220.25	\$0.00	\$0.00	\$0.00	\$335.62
May-14	2011-2014	Q2	0.12%	\$8.42	\$118.50	\$232.63	\$0.00	\$0.00	\$0.00	\$359.55
Jun-14	2011-2014	Q2	0.12%	\$14.14	\$124.33	\$245.01	\$0.00	\$0.00	\$0.00	\$383.48
Jul-14	2011-2014	Q3	0.12%	\$19.87	\$130.16	\$257.39	\$0.00	\$0.00	\$0.00	\$407.42
Aug-14	2011-2014	Q3	0.12%	\$25.60	\$135.98	\$269.77	\$0.00	\$0.00	\$0.00	\$431.35
Sep-14	2011-2014	Q3	0.12%	\$31.33	\$141.81	\$282.14	\$0.00	\$0.00	\$0.00	\$455.28
Oct-14	2011-2014	Q4	0.12%	\$37.06	\$147.63	\$294.52	\$0.00	\$0.00	\$0.00	\$479.21
Nov-14	2011-2014	Q4	0.12%	\$42.79	\$153.46	\$306.90	\$0.00	\$0.00	\$0.00	\$503.15
Dec-14	2011-2014	Q4	0.12%	\$48.51	\$159.29	\$319.28	\$0.00	\$0.00	\$0.00	\$527.08
Total for fiscal year 2014				-\$440.33	\$2,694.57	\$5,064.41	\$0.00	\$0.00	\$0.00	\$7,318.65
Amount Cleared										
Opening Balance for fiscal year 2015				-\$440.33	\$2,694.57	\$5,064.41	\$0.00	\$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	\$0.00	\$553.80
Mar-15	2011-2015	Q1	0.12%	\$62.00	\$167.06	\$327.54	\$0.00	\$0.00	\$0.00	\$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%	\$52.19	\$126.46	\$242.01	\$0.00	\$0.00	\$0.00	\$420.67
Jun-15	2011-2015	Q2	0.09%	\$55.09	\$127.19	\$240.47	\$0.00	\$0.00	\$0.00	\$422.75
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	\$426.92
Sep-15	2011-2015	Q3	0.09%	\$63.79	\$129.37	\$235.84	\$0.00	\$0.00	\$0.00	\$429.01
Oct-15	2011-2015	Q4	0.09%	\$66.70	\$130.10	\$234.30	\$0.00	\$0.00	\$0.00	\$431.10
Nov-15	2011-2015	Q4	0.09%	\$69.60	\$130.83	\$232.76	\$0.00	\$0.00	\$0.00	\$433.18
Dec-15	2011-2015	Q4	0.09%	\$72.50	\$131.55	\$231.22	\$0.00	\$0.00	\$0.00	\$435.27
Total for fiscal year 2015				\$282.07	\$4,350.62	\$8,189.68	\$0.00	\$0.00	\$0.00	\$12,822.37
Amount Cleared										
Opening Balance for fiscal year 2016				\$282.07	\$4,350.62	\$8,189.68	\$0.00	\$0.00	\$0.00	\$12,822.37
Jan-16	2011-2016	Q1	0.09%	\$75.40	\$132.28	\$229.68	\$0.00	\$0.00	\$0.00	\$437.35
Feb-16	2011-2016	Q1	0.09%	\$75.40	\$132.28	\$229.68	\$0.00	\$0.00	\$0.00	\$437.35
Mar-16	2011-2016	Q1	0.09%	\$75.40	\$132.28	\$229.68	\$0.00	\$0.00	\$0.00	\$437.35
Apr-16	2011-2016	Q2	0.09%	\$75.40	\$132.28	\$229.68	\$0.00	\$0.00	\$0.00	\$437.35
May-16	2011-2016	Q2	0.09%	\$75.40	\$132.28	\$229.68	\$0.00	\$0.00	\$0.00	\$437.35
Jun-16	2011-2016	Q2	0.09%	\$75.40	\$132.28	\$229.68	\$0.00	\$0.00	\$0.00	\$437.35
Jul-16	2011-2016	Q3	0.09%	\$75.40	\$132.28	\$229.68	\$0.00	\$0.00	\$0.00	\$437.35
Aug-16	2011-2016	Q3	0.09%	\$75.40	\$132.28	\$229.68	\$0.00	\$0.00	\$0.00	\$437.35
Sep-16	2011-2016	Q3	0.09%	\$75.40	\$132.28	\$229.68	\$0.00	\$0.00	\$0.00	\$437.35
Oct-16	2011-2016	Q4	0.09%	\$75.40	\$132.28	\$229.68	\$0.00	\$0.00	\$0.00	\$437.35
Nov-16	2011-2016	Q4	0.09%	\$75.40	\$132.28	\$229.68	\$0.00	\$0.00	\$0.00	\$437.35
Dec-16	2011-2016	Q4	0.09%	\$75.40	\$132.28	\$229.68	\$0.00	\$0.00	\$0.00	\$437.35

Total for fiscal year 2016				\$1,186.84	\$5,937.97	\$10,945.81	\$0.00	\$0.00	\$0.00	\$18,070.62
Amount Cleared										
Opening Balance 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 fiscal year 2017				\$1,488.43	\$6,467.09	\$11,864.52	\$0.00	\$0.00	\$0.00	\$19,820.04
Amount Cleared										
Opening Balance for fiscal year 2018				\$1,488.43	\$6,467.09	\$11,864.52	\$0.00	\$0.00	\$0.00	\$19,820.04

Appendix F

2015 CDM Annual Verified Results

Final 2015 Annual Verified Results Report Summary

For: Niagara Peninsula Enerov Inc.

Target Achievement

#	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 (%)	LDC Ranking in the Province out of 75 (2015 Verified Results versus Allocated Target / Budget (2015))
1	Net Verified Annual Energy Savings Persisting to 2020 (MMWh)	12,742,251	74,450,418	17	74,440,000	17	33
2	Total Spending (\$)	0	19,056,864	0	19,056,865	0	30

Annual Results

#	Metric	2015	2016	2017	2018	2019	2020	Total
1	Net Verified Annual Energy Savings Persisting to 2020 (MMWh)	12,742,251						12,742,251
2	Net Verified Incremental First Year Energy Savings (MMWh)	14,344,984						14,344,984
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 (\$/MMWh)	n/a						n/a

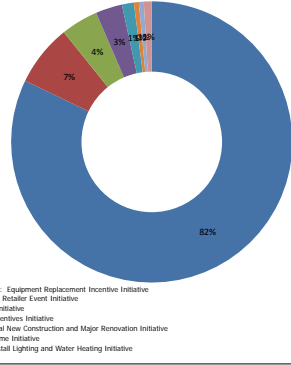
Annual Full Cost Recovery Progress

#	Metric	Result
1	Net Verified 2015 Annual Energy Savings from Full Cost Recovery Programs (MMWh)	14,244,984
2	Net 2015 Annual Energy Savings from Full Cost Recovery Program per CDM Plan Forecast (MMWh)	8,360,140
3	Annual Full Cost Recovery Progress (%)	170

Budget Progress

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

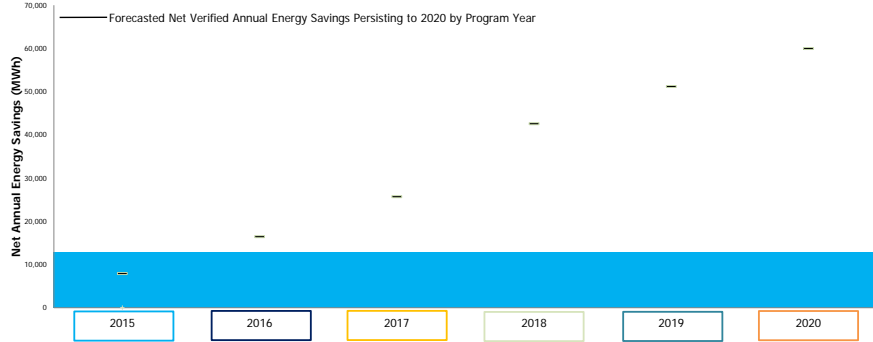
Net Verified 2020 Annual Energy Savings by Program



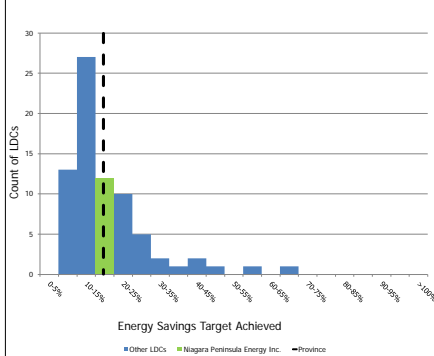
2015 Spending by Sector



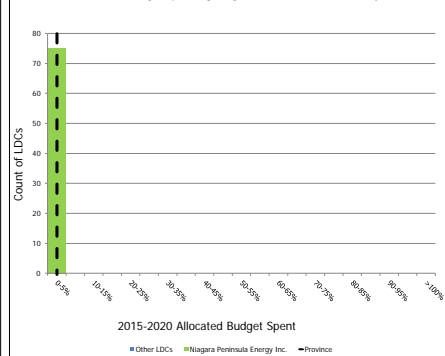
Net Verified Annual Energy Savings Persisting to 2020 by Program Year



Allocated Target Achievement relative to LDC Community



Allocated Budget Spending Progress relative LDC Community



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

Final 2015 Annual Verified Results Report

Table of Contents

#	Worksheet Name	Worksheet Description
1	How to Use This Report	Describes the contents and structure of this report
2	Report Summary	<p>A high level summary of the Final 2015 Annual Verified Results Report, including:</p> <ol style="list-style-type: none"> 1) progress toward the LDC's <ol style="list-style-type: none"> 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: <ol style="list-style-type: none"> 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	<p>A comprehensive report of 2015 conservation results including:</p> <ol style="list-style-type: none"> 1) activity; 2) savings including: <ol style="list-style-type: none"> a) energy and demand; b) net and gross; c) CDM Plan forecasts, verified actuals and relative progress; d) Allocated Target and Target achievement; and 3) spending, including participant incentives and administrative expenses. <p>Data is grouped by category and summarized at the LDC level.</p>
4	Province-Wide Progress	<p>A comprehensive report of 2015 conservation results including:</p> <ol style="list-style-type: none"> 1) activity; 2) savings including: <ol style="list-style-type: none"> a) energy and demand; b) net and gross; c) CDM Plan forecasts, verified actuals and relative progress; d) Allocated Target and Target achievement; and 3) spending, including participant incentives and administrative expenses. <p>Data is grouped by category and summarized at the province-wide level.</p>
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.

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) IESO Value Added Services Costs
- in accordance with Section 9.2(b)(i) of the Energy Conservation Agreement.

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

- 1) program participation results including:
 - a) forecasts; b) actuals; and c) progress (forecast versus (vs) actuals);
- 2) program savings results including:
 - a) net 2020 annual energy 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 aggregated 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.

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1	Province-Wide Progress				Participation	Progress Towards 2020 Net Annual Energy Savings Target	Net Incremental First Year Energy Savings	Net Incremental First Year Peak Demand Savings	Net-to-Gross and Realization Rate Adjustments - Actual	Gross Incremental First Year Energy Savings	Gross Incremental First Year Peak Demand Savings	Savings Group	Participant Incentive Spending	Administrative Expense Spending	Total Spending	Spending Group	Total Resource Cost - Cost Effectiveness Test - Actual	Program Administrator Cost - Cost Effectiveness Test - Actual	Levelized Unit Energy Cost - Cost Effectiveness Test - Actual	Cost Effectiveness Tests Group									
2	Programs																												
3																													
4																													
5	2011-2014+2015 Extension Legacy Framework Programs																												
6	Residential Program																												
7	1) Energy Audit Initiative																												
8	2) On-Annual/Federal Event Initiative																												
9	3) Appliance Replacement Initiative																												
10	4) HVAC Incentives Initiative																												
11	5) Residential New Construction and Major Renovation Initiative																												
12	Sub-Total - Residential Program																												
13	Commercial & Institutional Program																												
14	6) Energy Audit Initiative																												
15	7) Efficiency Equipment Replacement Incentive Initiative																												
16	8) Direct Retail Lighting and Water Heating Initiative																												
17	9) New Construction and Major Renovation Initiative																												
18	10) Existing Building Commissioning Incentive Initiative																												
19	Sub-Total - Commercial & Institutional Program																												
20	Industrial Program																												
21	11) Process and Systems Upgrades Initiative - Project Incentive Initiative																												
22	12) Process and Systems Upgrades Initiative - Monitoring and Targeting Initiative																												
23	13) Process and Systems Upgrades Initiative - Energy Manager Initiative																												
24	Sub-Total - Industrial Program																												
25	Low Income Program																												
26	14) Low Income Initiative																												
27	Sub-Total - Low Income Program																												

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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#	Programs

Residential Program	
1	Coupon Initiative
2	Bi-Annual Retailer Event Initiative
3	Appliance Retirement Initiative
4	HVAC Incentives Initiative
5	Residential New Construction and Major Renovation Initiative
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	Existing Building Commissioning Incentive Initiative
Sub-total - Commercial & Institutional 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	

14	Low Income Initiative	
Sub-total - Low-Income Program		

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
Sub-total - Pilot Program	

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
Sub-total - Other	

70,720	71,584	72,465	352,585	0					0						0%
0	0	0	39,691	0					0						0%
0	0	0	0	0					0						0%
38,897	39,231	39,572	197,322	0					0						0%
109,618	110,815	112,037	589,298	0					0						0%

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1,252,372	1,272,749	1,294,988	6,528,559	0	0	0	0	0	0	0	0	0%						0%
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Administrative Expense Spending >

#	Programs

2	Bi-Annual Retailer Event Initiative
3	Appliance Retirement Initiative
4	HVAC Incentives 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	Existing Building Commissioning Incentive Initiative
Sub-total - Commercial & Institutional 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	

14	Low Income Initiative
Sub-total - Low-Income Program	

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
Sub-total - Pilot Program	

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
Sub-total - Other	

2015-2020 Conservation First Framework Programs

22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
Sub-total - Residential Province-Wide Program	

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Commissioning Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
Sub-total - Business Province-Wide Program	

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
Sub-total - Local & Regional Program	

37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - CO ₂
38	Enlink Utilities Ltd. - Building Optimization Pilot
39	Enlink Utilities Ltd. - Real Estate Pilot
40	Enlink Utilities Corporation - ECM Farmhouse Pilot
41	Horizon Utilities Corporation - Social Benchmarking Pilot
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-Waterloo Hydro-Electric Company - Energy Efficiency Pilot
45	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agriculture Sector
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic
47	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls
48	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)
49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)
50	Toronto Hydro-Electric System Limited - RFP - Large (Pilot Savings)
Sub-total - Pilot Program	

51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
Sub-total - Other	

Total	
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Net-to-Gross and Realization Rate Adjustments - Actual

Actual Verified (kWh)						
2015	2016	2017	2018	2019	2020	Total

Gross Incremental First Year Energy Savings

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Actual Verified (kW)						
2015	2016	2017	2018	2019	2020	Total

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#	Programs
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Residential Program	
1	Coupon Initiative
2	Bi-Annual Retailer Event Initiative
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4	HVAC Incentives Initiative
5	Residential New Construction and Major Renovation Initiative
Sub-total - Residential Program	

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Sub-total - Industrial Program	

14	Low Income Initiative
Sub-total - Low-Income Program	

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16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
Sub-total - Pilot Program	

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
Sub-total - Other	

Residential Province-Wide Program	
22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
Sub-total - Residential Province-Wide Program	

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Commissioning Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
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Sub-total - Pilot Program	

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52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
Sub-total - Other	

CDM Plan Forecast (\$)							Actual Verified (\$)							Progress vs. CDM Plan (%)						
2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total

The image displays a 6x4 grid of 24 small bar charts. Each chart consists of 10 columns. The first 6 columns are light blue, and the last 4 columns are dark blue. The height of the bars varies across the grid, with some charts showing a single bar and others showing multiple bars of different heights.

836.741	6.478.003	6.233.444	6.084.964	5.786.556	5.646.296	31.066.005	3.845.994					3.845.994	460%						1.
2.615.502	24.495.755	16.817.561	14.735.952	15.030.616	14.705.075	88.400.616	6.213.250					6.213.250	238%						
213.491	2.656.350	2.670.989	2.701.863	2.467.819	2.485.918	13.196.430	0					0	0%						
953.840	4.998.085	4.991.410	5.202.197	5.612.890	5.544.666	27.303.088	753.158					753.158	79%						
4.617.575	38.628.192	30.713.404	28.724.976	28.897.891	28.381.955	159.965.983	10.812.402					10.812.402	234%						

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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
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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
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638,410	8,428,919	10,273,194
420,606	5,847,820	5,545,394
255,177	1,551,259	1,496,832
1,755,621	7,045,133	7,252,528
3,069,814	22,873,132	24,567,948

314,965	1,944,277	1,964,949
11,005,756	40,215,167	39,404,225
321,264	11,971,386	12,887,559
366,994	2,907,933	3,019,009
25,314	302,183	299,453
1,538,726	6,647,149	6,490,249
10,000	134,879	137,772
484,790	4,394,908	4,411,791
14,067,809	68,517,881	68,615,007

173,152	251,773	669,769
0	1,700,000	2,000,000
119,166	4,957,207	5,814,158
292,318	6,908,980	8,483,927

17,429,941	98,299,992	101,666,881
------------	------------	-------------

17,429,941	98,299,992	101,666,881
------------	------------	-------------

#	Programs
---	----------

Residential Program	
1	Coupon Initiative
2	Bi-Annual Retailer Event Initiative
3	Appliance Retirement Initiative
4	HVAC Incentives Initiative
5	Residential New Construction and Major Renovation Initiative
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	Existing Building Commissioning Incentive Initiative
Sub-total - Commercial & Institutional 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	

14	Low Income Initiative
Sub-total - Low-Income Program	

15	Loblaws Pilot
16	Social Benchmarking Pilot
17	Conservation Fund Pilot - SEG
18	Conservation Fund Pilot - EnerNOC
Sub-total - Pilot Program	

19	Aboriginal Conservation Program
20	Program Enabled Savings
21	Adjustments to 2015 Legacy Framework Verified Results
Sub-total - Other	

Residential Province-Wide Program	
22	Save on Energy Coupon Program
23	Save on Energy Heating and Cooling Program
24	Save on Energy New Construction Program
25	Save on Energy Home Assistance Program
Sub-total - Residential Province-Wide Program	

26	Save on Energy Audit Funding Program
27	Save on Energy Retrofit Program
28	Save on Energy Small Business Lighting Program
29	Save on Energy High Performance New Construction Program
30	Save on Energy Existing Building Commissioning Program
31	Save on Energy Process & Systems Upgrades Program
32	Save on Energy Monitoring & Targeting Program
33	Save on Energy Energy Manager Program
Sub-total - Business Province-Wide Program	

34	Business Refrigeration Local Program
35	First Nation Conservation Local Program
36	Social Benchmarking Local Program
Sub-total - Local & Regional Program	

37	Enersource Hydro Mississauga Inc. - Performance-Based Conservation Pilot Program - CO ₂
38	Enlink Utilities Ltd. - Building Optimization Pilot
39	Enlink Utilities Ltd. - Real Estate Pilot
40	Enlink Utilities Corporation - ECM Farmhouse Pilot
41	Horizon Utilities Corporation - Social Benchmarking Pilot
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-Waterloo Hydro-Electric Company - Energy Efficiency Pilot
45	Niagara-on-the-Lake Hydro Inc. - Direct Install Energy Efficiency Measures for the Agriculture Sector
46	Oakville Hydro Electricity Distribution Inc. - Direct Install - Hydronic
47	Oakville Hydro Electricity Distribution Inc. - Direct Install - RTU Controls
48	Toronto Hydro-Electric System Limited - Direct Install - Hydronic (Pilot Savings)
49	Toronto Hydro-Electric System Limited - Direct Install - RTU Controls (Pilot Savings)
50	Toronto Hydro-Electric System Limited - RFP - Large (Pilot Savings)
Sub-total - Pilot Program	

51	Adjustments to 2015 CFF Verified Results
52	Adjustments to 2016 CFF Verified Results
53	Adjustments to 2017 CFF Verified Results
54	Adjustments to 2018 CFF Verified Results
55	Adjustments to 2019 CFF Verified Results
Sub-total - Other	

Total			
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Total	Actual Verified (\$)					Progress vs. CDM Plan (%)					Allocated Budget (\$)	Progress vs Allocated Budget (%)	
	2015	2016	2017	2018	2019	2020	Total	2015	2016	2017			2018

78,551,411	5,423,283			5,423,283	368%			7%
114,845,107	6,679,382			6,679,382	220%			6%
20,762,753	16,829			16,829	4%			0%
63,664,235	902,421			902,421	33%			1%
277,823,505	13,021,916			13,021,916	169%			5%

18,136,376	174,012				174,012	37%				1%
624,406,822	8,557,844				8,557,844	42%				1%
140,213,792	0				0	0%				0%
58,272,824	148,817				148,817	31%				0%
5,409,455	0				0	0%				0%
251,658,619	357,962				357,962	10%				0%
1,549,885	9,180				9,180	92%				0%
40,026,988	156,835				156,835	14%				0%
1,139,674,762	9,404,650				9,404,650	35%				1%

3,626,752	n/a					0	n/a					0%
18,200,000	n/a					0	n/a					0%
31,318,360	n/a					0	n/a					0%
53,145,112	n/a					0	n/a					0%

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1.470.643.380	22.426.566						22.426.566	65%					2%	1.835.264.933	1.22%
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Final 2015 Annual Verified Results Report

IESO Value Added Services Costs (as of March 31, 2016)

# Reporting Level		Program	Unit of Measure	Units (#)								Administrative Expenses (\$)							
				2015	2016	2017	2018	2019	2020	Total	2015	2016	2017	2018	2019	2020	Total		
1	Niagara Peninsula Energy Inc.	Save on Energy Coupon Program	Coupons	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2		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		Save on Energy Heating and Cooling Program	Applications	20,446	0	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	0	1,640,642	

Final 2015 Annual Verified Results Report Methodology

General

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

2011-2014+2015 Extension Legacy Framework Initiatives

#	Initiative	Attributing Savings to LDCs	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.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
2	saveONenergy 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.	
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.	March 31, 2016	Savings are considered to begin in the year the appliance is picked up.	
4	saveONenergy HVAC Incentives	Results directly attributed to LDC based on customer applications and postal code.	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 bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
7	saveONenergy Efficiency: Equipment Replacement	Results are directly attributed to LDC based on LDC identified at the facility level in the iCon system. Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see page for Building type to Sector mapping.	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 iCon system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
Additional Note: project counts were derived by filtering out invalid statuses (e.g. Post-Project Submission - Payment denied by LDC) and only including projects with an "Actual Project Completion Date" in 2014)					
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 realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings take into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
10	saveONenergy New Construction and Major Renovation Incentive	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 incentive project was completed.	Peak demand and energy savings are determined by the total savings for a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
11	saveONenergy Existing Building Commissioning Incentive		March 31, 2016		
12	saveONenergy Process & System Upgrades	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 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.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
13	saveONenergy Monitoring & Targeting		March 31, 2016		
14	saveONenergy Energy Manager		March 31, 2016		
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 net-to-gross factors such as free-ridership and spillover (net) at the measure level.
15	Aboriginal Conservation Program		March 31, 2016		

2015-2020 Conservation First Framework Programs

#	Program	Attributing Savings to LDCs	Project List Date	Savings 'Start' Date	Calculating Resource Savings
1	Save on Energy Coupon Program	LDC-coded coupons directly attributed to LDC; Otherwise results are allocated based on average of 2008 & 2009 residential throughput.	March 31, 2016	Savings are considered to begin in the year in which the coupon was redeemed.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
2	Save on Energy Heating and Cooling Program	Results directly attributed to LDC based on customer applications and postal code. LDCs may see additional participation, savings and spending relative to the March 2016 Value Added Services Report due to previously unassigned applications completed in 2015. Adjustments to reflect final 2015 verified participation will appear in your July 2016 Value Added Services Report to be issued on August 15, 2016	March 31, 2016	Savings are considered to begin in the year that the installation occurred.	
3	Save on Energy New Construction Program	Results are directly attributed to LDC based on LDC identified in CDM LDC Report Template.	March 31, 2016	Savings are considered to begin in the year of the project completion date.	
4	Save on Energy Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	March 31, 2016	Savings are considered to begin in the year in which the measures were installed.	
5	Save on Energy Audit Funding Program	Projects are directly attributed to LDC based on LDC identified in the application.	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 bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
6	Save on Energy Retrofit Program	Results are directly attributed to LDC based on LDC identified at the facility level in the saveONenergy CRM: Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see page for Building type to Sector mapping.	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 EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
7	Save on Energy Small Business Lighting Program	Results are directly attributed to LDC based on the LDC specified on the work order.	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 realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings take into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
8	Save on Energy High Performance New Construction Program	Results are directly attributed to LDC based on LDC identified in the application.	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.
9	Save on Energy Existing Building Commissioning Program		March 31, 2016		
10	Save on Energy 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 the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
11	Save on Energy 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.	
12	Save on Energy 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.	
13	Business 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 (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings take into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
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 free-ridership and spillover (net) at the measure level.

IESO Value Added Services Costs

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

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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%

23	Fort Frances Power Corporation	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%

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

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.

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.

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.